

**PARACHUTE #4-65 5-6 3H
OIL AND GAS WELL
SOUTHWEST OF I-70 AND
S. POWHATON ROAD
Oil & Gas Permit
City of Aurora, Colorado**

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CVL PROJECT NO. 8.13.0201651

August 25, 2014

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EXECUTIVE SUMMARY

Project Location

This oil and gas well location is proposed in the southeast corner of Section 5, Township 4 South, Range 65 West, approximately 1500 feet north of south section line and 450 feet east of section line. This site drains to the First Creek watershed tributary and lies outside of the floodplain. The landscape currently consists of open range land. Existing topography drains to the northwest. Please refer to the Vicinity Map on the Site Plan (Section A).

Pad and Access Road Construction

A flat 400 feet by 400 feet granular pad will be constructed to support drilling operations, accessed by a 395 feet long, sixteen feet (16') wide, granular access road off Powhaton Road. Generally, the access road will follow the terrain, in order to minimize earthwork. The drill pad sites cut and fill slopes are generally designed to balance the pad site grading. The pad site will be graded flat (0%) and covered with 6" of granular material to encourage minor stormwater events absorbing into the ground to minimize runoff.

Construction of the pad and access road will require approximately one month. BMPs will be installed to mitigate the earthmoving activities and to stabilize the graded surfaces to achieve re-vegetation. A fence will be erected around the pad site to protect it from wildlife; a locked gate will be installed at the access road/well pad entrance. This fencing and gate will provide security for the life of the well.

Drilling Operations

Following construction, the rig will be brought to the site, commencing a one month, twenty-four hour/day drilling operation. Typical operations on the well site pad will consist of a rig at the center of the pad along with water storage to be used in the drilling operation, pipe racks for temporarily stored drill piping, a mud pump to circulate the drilling fluids through the system, power generators, tool storage, fuel storage for said generators and pumps, and a doghouse enclosure to protect workers from inclement weather. Several mud tanks will be located adjacent to the rig to store drilling fluid until it is required down the wellbore. A hopper will be located adjacent to the mud tanks for the dry components of the drilling compound. Construction trailers, portable toilets, garbage storage and extra fuel storage will be located near the edge of the pad site. ConocoPhillips Company utilizes a "closed loop system" during drilling. Water used to support drilling operations may be trucked in or piped in and temporarily stored onsite. Drilling mud will be disposed of offsite, in a manner approved by the Colorado Oil & Gas Conservation Commission (COGCC). Typical photos of the Drilling Operation may be found in Section E.

Completion and Production Operations

The Completion Phase follows drilling, which lasts approximately two weeks. It is at this time that the formation fracturing occurs. Fracturing materials, mainly sand, are trucked in, and mixed onsite with water and other fracturing fluids. Production equipment is installed concurrent with the Completion Phase. Said equipment consists of a pumping unit, several storage tanks for extracted minerals, vapor recovery facilities, a meter run, combusters, and compressors. Produced oil and gas

will be trucked offsite, until such time as the planned gathering system is in place. Produced water will be disposed of offsite as approved by the COGCC. Production of a viable well can last twenty-years. Typical photos of the Completion and Production Operations may be found in Section E.

Fresh Water Source(s)

The current water provider is Pure Cycle/Rangeview but ConocoPhillips will only utilize water that is permitted for industrial/commercial use. It is more likely that above ground water lines installed by Select Energy would be routed from water pits that are at the Watkins office located near the corner of Quincy Avenue and Watkins Road. No exact route is determined for the above ground water lines yet, however, Select Energy will work with the City of Aurora to secure all necessary R.O.W. permits. There are currently no plans to use water provided by the City of Aurora.

Produced Water Disposal

Produced water will be transported by tanker trucks to three (3) permitted disposal wells in Weld County owned by High Sierra Energy.

Preliminary Gathering System Plan

The gathering system that will support this well is currently in the design phase and will be presented to the City of Aurora under a separate application.

Governing Regulations

City of Aurora

A governing document for preparing this application is Ordinance No. 2012-24, A Bill for an ordinance amending Section 146-1207 of the City code of the City of Aurora, Colorado, relating to oil and gas facilities, effective date 7-21-12. Variances from this criteria are described below.

Colorado Oil & Gas Conservation Commission (COGCC)

The COGCC mandates requirements for vibration, air and water quality, odor and visual impacts, signage, noise, Best Management Practices, lighting, setbacks, and water well testing. It is ConocoPhillips Company's (COP) intention to adhere to these requirements. Specific language from the COGCC is referenced on Sheet 2 of the Site Plan (Section A).

Variances from City of Aurora Regulations

On behalf of ConocoPhillips Company, CVL respectively requests the following variances.

D. Development Standards, 3,d, Equipment height requirements

The Vapor Recovery Tower (VRT) and combustors located on the pad site are just over thirty-one and a half feet tall (31'-6"). Please see detail in Section E of this report for VRT detail. The VRT will be a permanent fixture on the pad site while the combustor will only be temporary until the pipeline can be connected. The City regulations restrict equipment height to a maximum of twenty feet (20') in height. CVL respectively requests relief from this requirement as this equipment is necessary for the process as a whole.

E. Access Roads

The proposed private access road will be sixteen feet (16') wide, with turnouts located approximately every 1,000 feet. These turnouts will provide for an additional ten feet (10') of width for 100 feet in length. The City of Aurora (City) normally requires a twenty-three foot (23') wide surface.

The City regulations state that private roads must conform to their roadway design and construction standards. CVL respectively requests relief from this requirement. In neighboring jurisdictions, it has been acceptable to build the access roads without plan and profile drawings. Instead, the horizontal alignment of the road is depicted, overlaid with existing topography and labels indicating existing longitudinal slopes. Typically, the contractor follows the existing terrain of the alignment, excavating for the roadside swales and using that material to build up the driving surface. This method minimizes earthwork. In areas where stormwater drainage conveyance is necessary, CMPs are installed to convey the five year historic flow, at a minimum. Minimum pipe sizes are 18 inch diameter. The vehicles that utilize these roads, most significantly the rig, are both long and heavy. It behooves COP to construct a quality road that requires minimal maintenance.

F. Additional Performance Standards, 7. Fencing

Barbed wire field fencing is proposed in lieu of the normally required screening "non-flammable material or chain link with slats". The purpose of the fencing is to visually delineate the operations area, and restrict wildlife and/or grazing livestock from entering the operations area. This well location is far from the nearest neighborhoods or commercial centers, in the middle of an agricultural landscape; this field fencing would be in concert with its surroundings.

F. Additional Performance Standards, 8. Landscaping

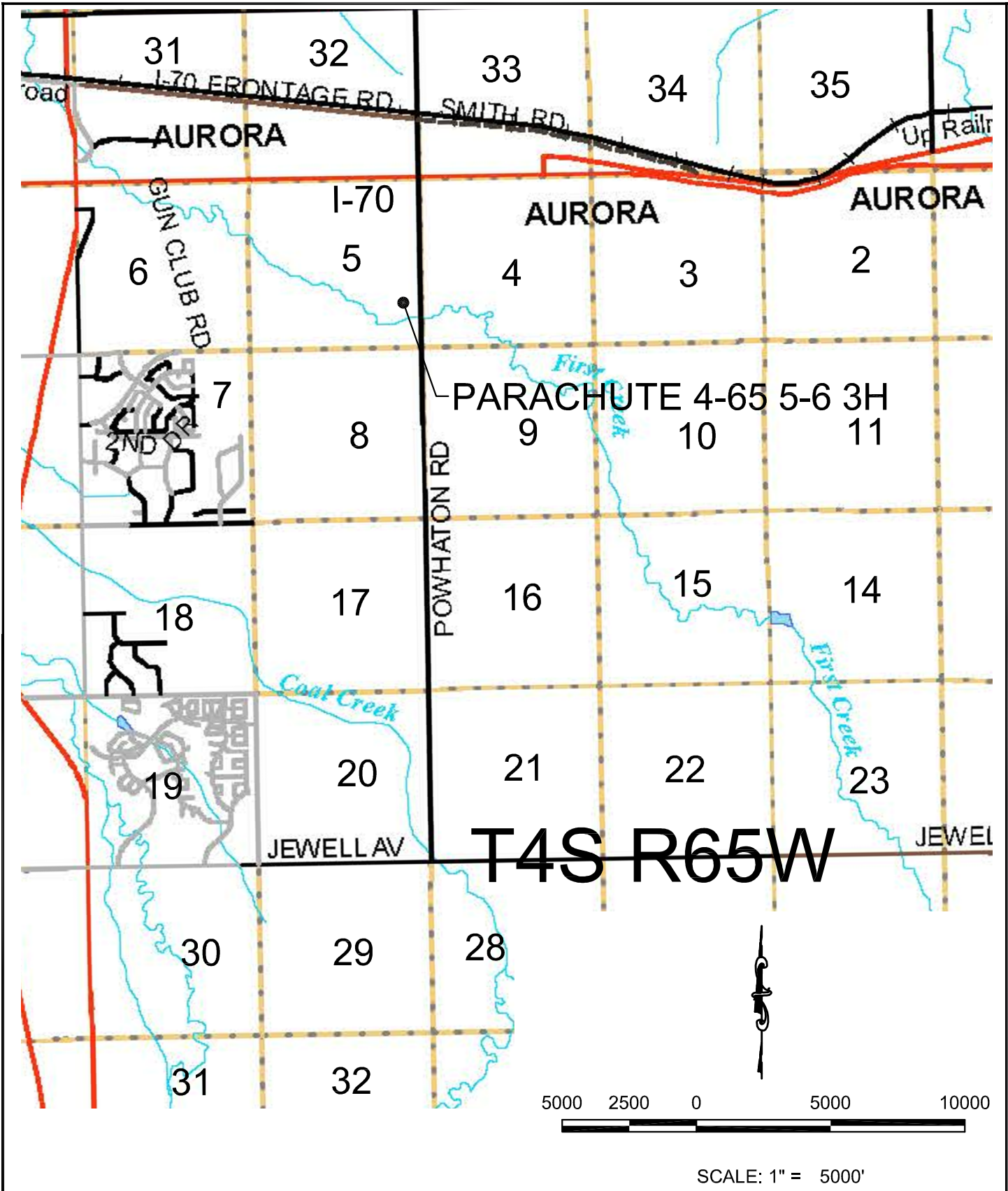
With the exception of the re-vegetation applications of seeding and mulch, landscaping e.g. turf grass or groundcover is not proposed. There is no water source nearby to support such plantings. As stated previously, the remote location of this well site should not necessitate screening from nearby residents.

Notifications

Mailing notifications will be sent to the property owners identified on the Adjacent Property Owners Map (See Sheet 1 of Site Plan (Section A)) that are within a half mile (1/2 mile) of the well pad.

SECTION A

VICINITY MAP



PARACHUTE #4-65 5-6 3H WELL
VICINITY MAP

AUGUST 21, 2014



10333 E. Dry Creek Rd.
Suite 240
Englewood, CO 80112
Tel: (720) 482-9526
Fax: (720) 482-9546

SECTION B

OPERATIONS



Niobrara Area
Tier 1 Emergency Response Plan

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ConocoPhillips
Niobrara Area
Tier 1 Emergency Response Plan

Purpose and Scope

This Emergency Response Plan (ERP) covers the operations of the Niobrara Area and any D&C activities in the field. This plan is applicable for ConocoPhillips and encompasses all of its area subsidiaries, hereafter referred to as “Company.”

This ERP is designed to provide ConocoPhillips employees and contractors with information regarding specific systems, procedures, and operations which will aid in the response to emergency type incidents within the area. The plan covers emergencies that are larger in scope or duration and extend beyond a simple operational upset handled by operations personnel. While not designed as a “how to” manual, this document will serve as a resource tool for response to a variety of incidents.

This Emergency Response Plan, with the resources and equipment listed herein, is a planning document to demonstrate the potential response capability available to respond to an incident. It is not a guarantee of what will occur or the equipment/deployment sequencing that will be used in an actual event. Nothing in this plan is intended to limit the discretion of ConocoPhillips company employees and/or contractors to select any sequence of actions or to take whatever time they deem necessary to maximize the effectiveness of their response consistent with safe practices.

A link to the Niobrara Emergency Response plan is located below:

<http://lower48.conocophillips.net/EN/148hsemslevel2website/8emergpreparedness/Pages/Rockies.aspx>

Management Approval

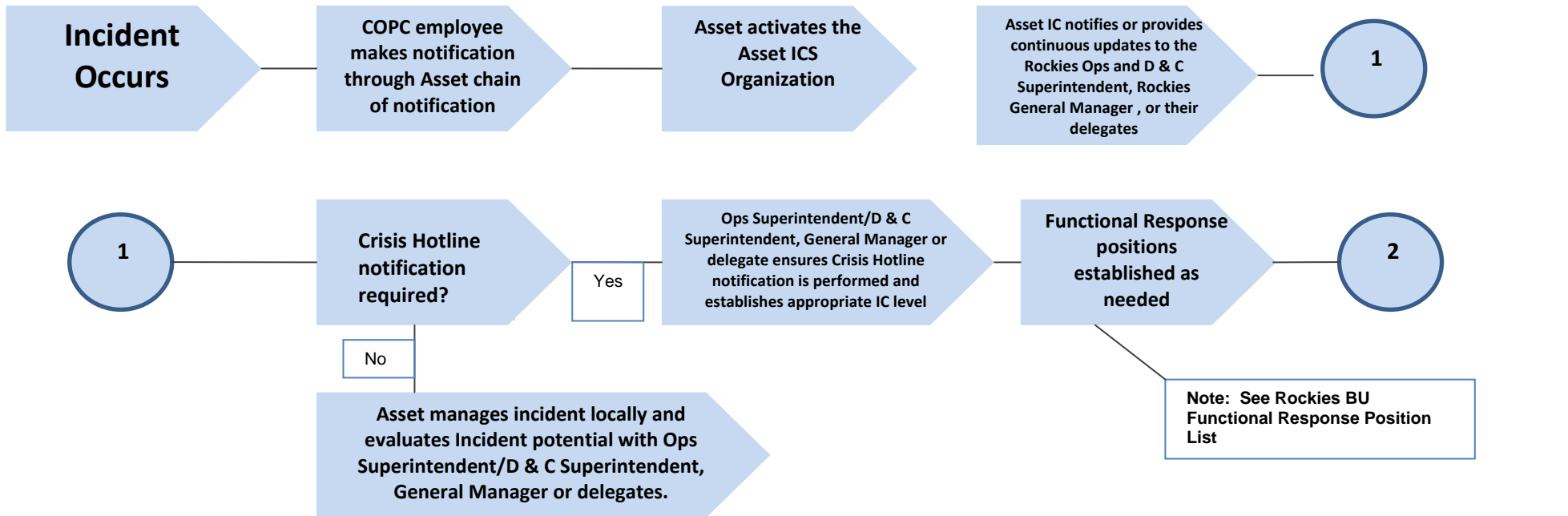
The signatures below signify this Emergency Response Plan has the full approval and commitment of ConocoPhillips’ management. The company will commit the necessary resources to implement the measures described in this Plan:

<u><i>Ken Powers</i></u>	<u>8/13/13</u>
Niobrara Operations Manager/Superintendent	Date

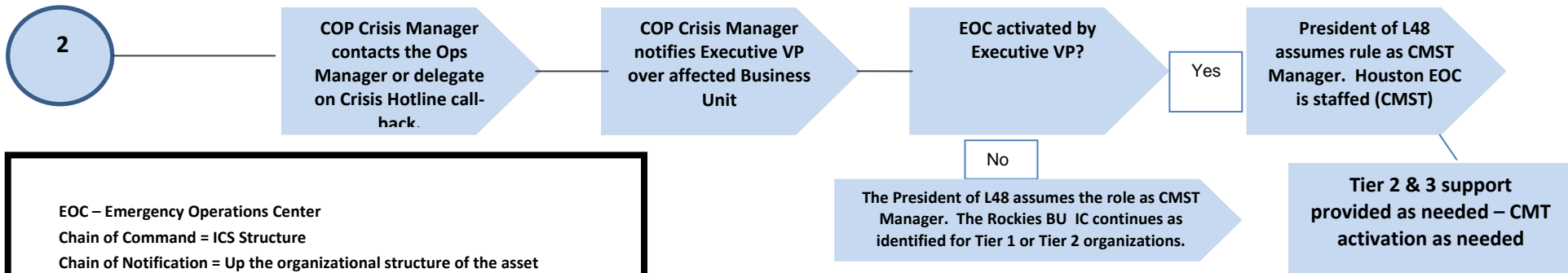
<u><i>Steve Whiteside</i></u>	<u>8/13/13</u>
	Date

<u><i>Bob Strickler</i></u>	<u>8/13/13</u>
Rockies CO/WY Drilling Superintendent	Date

Tier 1 – Rockies BU Emergency Response Notification



Corporate Process



EOC – Emergency Operations Center
 Chain of Command = ICS Structure
 Chain of Notification = Up the organizational structure of the asset
 ICS = Incident Command System
 Version 2

HSE NOTIFICATION EVENTS	Crisis Hotline ¹	IMPACT Entry	L48 E-mail notification	Legal Consult
INJURY				
Exposure Incident – as defined by the Industrial Hygiene Metrics Procedure		w/I 2 bus days	w/I 2 bus days	
Fatality – Incident resulting in an on-the-job employee or contractor fatality, or public fatality	Immediate ²	w/I 2 bus days	w/I 2 bus days	Before inv.
Lost Workday Case – Lost workday on-the-job injury to an employee or contractor		w/I 2 bus days	w/I 2 bus days	
Injury(ies) – Incident resulting in a one or more injury(ies) requiring immediate overnight hospitalization and treatment of employee, contractor or the public	Immediate	w/I 2 bus days	w/I 2 bus days	Before inv.
Injury – Incident resulting in multiple injuries/illnesses to employees, contractors or the public	Immediate	w/I 2 bus days	w/I 2 bus days	
Injury – all recordable injury / illnesses		w/I 2 bus days	w/I 2 bus days	
Incident investigation reports – For Serious Incidents		Within 30 days of Notification		
RISK RANK				
Risk Rank III or IV incidents or near misses		w/I 2 bus days	w/I 2 bus days	
Risk Rank II incidents and near misses		w/I 2 bus days		
Risk Rank I incidents reportable to outside agencies and first aid cases requiring medical case management		w/I 2 bus days		
SPILLS & RELEASES				
Spills or releases to environmentally sensitive areas, national parks or wildlife habitats and refuges which are likely to attract media attention or cause closure, stoppage or re-routing of traffic on public road or waterway.	Immediate			
Liquid hydrocarbon spills or releases from primary containment greater than 100 bbl (15.9 cubic meters).		w/I 2 bus days	w/I 2 bus days	Before inv. ³
Liquid hydrocarbon spills or releases from primary containment greater than 1 bbl		w/I 5 bus days		
Hazardous chemical spills or releases from primary containment greater than 5,000 pounds (2.27 metric tons).		w/I 2 bus days	w/I 2 bus days	Before inv. ³
On-shore produced water spills or releases greater than 100 bbl (15.9 cubic meters).		w/I 2 bus days	w/I 2 bus days	Before inv. ³
PROPERTY DAMAGE/BUSINESS INTERRUPTION				
Property damage events exceeding \$100,000 in estimated damages (example fires, explosions, collisions, acts of nature, vandalism, theft, etc.)	Immediate	w/I 2 bus days	w/I 2 bus days	
Any situation that should be brought to the attention of corporate management due to actual, or potential, impact on the company such as: Unscheduled business interruption that will likely result in \$1,000,000 (USD) or more in estimated losses. This also applies to partner/JV operated operations that meet the criteria.	Immediate	w/I 2 bus days	w/I 2 bus days	
Motor Vehicle incidents in Company Vehicles (owned, leased, rented, personal vehicle eligible for mileage)		w/I 2 bus days		
FIRES**CONDITIONAL RESPONSE BASED ON SEVERITY OF THE FIRE CONDITION.				
Fires of any size resulting from company operations or threatening company facilities		w/I 2 bus days	w/I 2 bus days	
EVACUATION/SHELTER IN PLACE				
Evacuation beyond facilities of company <i>employees and contractor personnel</i> .	Immediate	w/I 2 bus days	w/I 2 bus days	Before inv.
Sheltering-in-place of the <i>public</i> .	Immediate	w/I 2 bus days	w/I 2 bus days	Before inv.
Mandatory evacuation of the <i>public</i> .	Immediate	w/I 2 bus days	w/I 2 bus days	Before inv.
WELL CONTROL INCIDENTS				
Loss of surface well control that endangers the <i>rig, onsite personnel, or the environment</i> .	Immediate	w/I 2 bus days	w/I 2 bus days	
PUBLIC RELATIONS/ACTUAL OR POTENTIAL CO. IMPACT				
Serious transportation incident such as <i>derailments</i> involving our products and <i>spills or releases</i> resulting in traffic stoppages or evacuations.	Immediate			
Acts of terrorism (e.g., bomb threats, sabotage, kidnapping, employee violence, etc.)	Immediate			
Any incident that attracts or could attract media attention including but not limited to <i>confrontations with anti-industry groups</i> .	Immediate			
Multiple complaints of acute illness by third parties allegedly caused by our operations or products. (i.e. Calls by more than one individual)	Immediate			

¹ Partner/JV operated and non-operated incidents, meeting the Crisis Management and Emergency Response Standard notification criteria should be reported.

² Immediate means as soon as possible but no later than two hours after incident.

³ For potential or actual significant environmental impact

ConocoPhillips Corporate Crisis Hotline (24-hour): 1-800-342-5119 1-281-293-5119 1-281-493-2767

L48 Contacts: L48 President – Office: (832) 486-2683; L48 HSE Manager – Office: (832) 486-2002; L48 Notification Email: From Global Outlook, send to "Notification EP-L48 LA SH&E Notification" **Note: All Crisis Hotline calls should be immediately reported to the L-48 President and HSE Manager.**




Niobrara Area
Tier 1 Emergency Response Plan


Internal Support Notification Information		
COP Corporate Crisis Hotline (24 hr)	800-342-5119 281-293-5119 281-493-2767	
L48 President – Office	832-486-2683	
L48 HSE Manager – Office	832-486-2002	
L48 Notification E-Mail		"Notification EP-L48 LA SH&E"
L48 Media Designated Spokesperson	832-486-3134 or 832-212-0139	
COP Global Security (24/7)	281-293-1748	
Midland Incident Support Team	877-912-0079	
AXIOM	877-502-9466	
First Advantage (Vehicle Post Accident Drug Testing)	800-247-7264	
Emergency Plan Coordinator –	832-340-5517	

ConocoPhillips
 Niobrara Area
 Tier 1 Emergency Response Plan


External Notifications

Federal Notifications

	<h2>NRC 800-424-8802</h2>
National Response Center c/o United States Coast Guard (CG-3RPF-2) 2100 2 nd Street Southwest – Room 2111-B Washington, D.C. 20593-0001	Additional Information: Phone: 202-267-2675 or 800-424-8802 Fax: 202-267-1322 Web Site http://www.nrc.uscg.mil
Reporting Requirements	
Type	“Any amount of oil that impacts or threatens navigable water or adjoining shorelines (even a sheen), or a release of a hazardous substance above the Reportable Quantities (RQ) according to CERCLA regulations.”
Verbal:	Immediate (within 15 minutes)
Written:	As requested by the agency


	<h2>EPA (Region 8) 303-312-6510</h2> Environmental Emergencies
Environmental Protection Agency Region 8, 80C-EISC 1595 Wynkoop St. Denver, CO 80202-1129	Phone: 800-227-8914 Web Site: http://www.epa.gov/region08/
Reporting Requirements	
Type:	Any amount of oil that causes a sheen on any navigable waters, or a release of a hazardous substance above the Reportable Quantities (RQ) according to CERCLA regulations.
Verbal:	Immediate (within 15 minutes)
Written:	May be requested by EPA
Note: Always request fax conformation of report	


ConocoPhillips
 Niobrara Area
 Tier 1 Emergency Response Plan

	<h2 style="margin: 0;">Colorado OSHA 303-843-4500</h2>
OSHA District Office – Denver, CO 1999 Broadway, Suite 1690 Denver, Colorado 80202	303-844-5285 303-844-6676 FAX Website: http://www.osha.gov/oshdir/co.html
Reporting Requirements	
Type	Fatality from a work related incident or the inpatient hospitalization of three or more employees or contractors as a result of a work related incident
Verbal:	As soon as possible
Written:	As requested by the agency

	<h2 style="margin: 0;">Bureau of Land Management (BLM)</h2>
Mailing Address: 1849 C St NW Washington, DC 20240 Street Address: 1620 L St NW Washington, DC 20036	General Information: Phone: Phone: 202-208-3801 Web Site: http://www.blm.gov/wo/st/en.html Fax: 202-208-5242
BLM Colorado State Office 2850 Youngfield Street Lakewood, Colorado 80215-7093	Website: http://www.blm.gov/co/st/en.html Phone: 303-239-3600 Fax: 303-239-3933


ConocoPhillips
 Niobrara Area
 Tier 1 Emergency Response Plan

	<h2 style="margin: 0;">FAA 866-835-5322</h2>
Federal Aviation Administrations 800 Independence Avenue, SW Washington, DC 20591	General Information: Phone: 866-835-5322 Web Site: http://www.faa.gov/
Reporting Requirements	
Type	If an emergency has the possibility of affecting aviation traffic, local law enforcement agencies have the authority to notify the FAA and request a Temporary Flight Restriction for the area.
Verbal:	As soon as possible
Written:	As requested by the agency

OTHER FEDERAL AGENCIES CONTACT LIST	
Agency	Phone Number
FBI (Federal Bureau of Investigation)	Colorado – 303-629-7171

State Notifications

STATES OF COLORADO AGENCY CONTACT LIST	
Agency	Phone Number
Colorado Department of Environmental & Public Health	Phone: 303-692-2000 Instate: 800-886-7689
Colorado Emergency Management Agency	Phone: 720-852-6600
Colorado Oil and Gas Conservation Commission Website: http://cogcc.state.co.us/	Phone: 303-894-2100 Fax: 303-894-2109
Colorado State Emergency Planning Commission	Phone: 720-852-6603
Colorado Highway Patrol	Phone: 800-536-5339
Colorado Division of Wildlife	Phone: 877-943-3847
Colorado Dig Safely : http://www.uncc2.org/web/	Phone: 800-922-1987



**Niobrara Area
Tier 1 Emergency Response Plan**

Local Notifications

When the Emergency Response Team determines conditions that require contact with the local socio-economic resources for the Niobrara Area the following organizations should be contacted, as appropriate	
Location/Organization	Contact Number
Adams County – Colorado (North of I-70)	
Emergency Management	720-523-6600
County Sheriff	303-654-1850
Fire (Bennett Fire District)	303-644-3572
Hospital – University of Colorado (Aurora)	720-848-0000
City of Aurora Fire Dept.	303-627-3130
Arapahoe County – Colorado (South of I-70)	
Emergency Mgmt.	303-795-4711
County Sheriff	303-795-4711
Hospital – University of Colorado (Aurora)	720-848-0000
Fire (Bennett Fire District)	303-644-3572
City of Aurora Fire Dept.	303-627-3130
Elbert County – Colorado (South of the office)	
Emergency Mgmt.	303-805-6131
County Sheriff	303-621-3154 or 1-866-621-2027
Hospital – University of Colorado (Aurora)	720-848-0000
Fire – Elbert Fire Protection District	303-648-3000

Miscellaneous Notifications

CHEMTREC	800-424-9300
National Weather Service	303-494-4221
Poison Control Hotline	800-222-1222
RCRA Hotline	800-424-9346



**Niobrara Area
Tier 1 Emergency Response Plan**

Local Emergency Response Contractors

Emergency Response Contractors	
Organization/Services	Contact Number
Colorado AirLife (Denver)	303-360-3400 or 1-877-243-8247
WELL CONTROL	
Wild Well Control	281-784-4700
WELL SERVICING	
Key Energy	303-514-4336 or 303-815-8277
PUMPING SERVICES	
Schlumberger	307-347-3251
Sanjel	307-857-1300
Halliburton	307-473-8200
FLUIDS	
Northern Plains Trucking	970-539-3185 or 303-434-6010 or 970-217-6289
CONSTRUCTION/ROUSTABOUT	
Wood Group	970-589-6934
Flint Energy Services	303-702-9500
RAILWAY/PIPELINES/UTILITIES	
Burlington Northern Santa Fe	308-762-4564 or 303-297-4325 or 303-480-6200
ELECTRICAL SERVICES	
Xcel Energy	800-895-4999
Intermountain Rural Electric	303-688-3100
FUEL/PROPANE	
Hill Petroleum	303-424-6262
RADIO/CELLULAR SYSTEMS	
Verizon	303-759-3482
AT&T	303-322-8110
Verizon	303-759-3482
T-Mobile	303-355-2119
SAFETY	
Airgas	303 370-7800
Hagemeyer	303 322-0529
SPILL RESPONSE	
Clean Harbors	1-800-OIL-TANK
Brian Biancavilla, Field Services General Manager, CO	303-482-7976



Niobrara Area

Tier 1 Emergency Response Plan

Two 18' Enclosed Dual Axle Trailers with 2 5/16" ball bumper hitch

- 200 ft – Fast Water Curtain Boom (50 ft sections)
 - 4-6" Freeboard and 4-6" Draft
 - Universal slide end connectors
- 2 ea – Towing bridles w/universal slide connectors
- 1 ea – Anchor Set
 - 1 -15 lb Fluke Anchor
 - 1 - 3 ft x 3/8" galvanized chain
 - 50 ft - 1/2 " Poly rope
 - 1 - Rubber buoy/float
- 1 ea – Skimmer System
 - 1 – Manta Ray skimmer head
 - 1 – 3" Diesel driven diaphragm pump
 - 2 – 25 ft x 3" diameter Suction hose with camlocks
 - 2 – 50 ft x 3" diameter Discharge hose with camlocks
 - 1 – 5 gal Yellow Safety Fuel Can
 - Oil for Diesel diaphragm pump
- 1 ea – Fastank 2000 (portable storage tank)
- 4 bales – Sorbent Pads (100 count)
- 4 bales – 4-5" Sorbent Boom (40 ft/bale)
- 4 bales/boxes – Oil Snares (pom-poms)
- 1 roll – Sorbent Industrial Rug
- 2 rolls – Heavy Duty Pollution Bags (visqueen)
- 4 bags – Oil Gator Oil Absorbent
- 1 ea – Decontamination Kit
 - 2 – Plastic utility sleds
 - 4 – 5-gal metal pails
 - 2 – Bottles Dawn Dishwashing Soap
 - 2 – Brushes
 - 1 – Roll Plastic Sheeting (10' x 25')
- First Aid Kit
 - 4 ea – Eye Wash
- 1 ea – Fire Extinguisher
- 1 spool – 1/2" Nylon rope
- 1 set – Post for Anchoring Sorbent/Curtain Boom
 - 10 - Steel posts (such as fence posts)
 - 1 – Post driver
- 1 set – Hand Tools
 - 2 – Square nose shovel
 - 2 – Round nose shovels
 - 2 – Bow rakes
- 5 ea – Pre-cut 1/2 " Plywood Pieces for Blocking Storm Drains
- PVC Pipe and Collars
- Miscellaneous Items
 - PPE
 - Duct Tape
 - Hand Cleaner
 - Rags
 - Bungee cords
 - Tie Downs
 - Spare Tire
 - Tire Jack / Wheel Chock
 - Tire wrench



Niobrara Area

Tier 1 Emergency Response Plan

Emergency Levels

ConocoPhillips and the Niobrara Area utilize a tiered approach to managing incidents. As an incident progresses, the Incident Commander will be responsible for initial identification, elevating or lowering the level of an incident.

Emergency Levels are determined based on the size of the incident. ConocoPhillips has developed a 3 tiered format to help assist and clearly define when and how to activate the proper response team in order to respond to any incident promptly, properly, and efficiently, thus decreasing the affect on the public and the environment.	
Tier 1	Tier 1 incidents/situations are those which can be effectively handled by On-Site personnel. Examples might include spills/releases of hazardous materials, which can be quickly controlled and contained, incipient-stage fires, which are quickly controlled and extinguished, medical emergencies, vehicle accidents, etc.
Tier 2	A Tier 2 spill or incident response is one in which the capabilities of local or site management to respond to and manage the incident are overwhelmed and regional resources are required. A Tier 2 incident for ConocoPhillips would require a mobilization of all or part of the Mid-Continent Business Unit Regional Incident Management Team or the ConocoPhillips IMAT using the Incident Command System (ICS). Backup or specialized expertise in certain incident positions from other ConocoPhillips regions or headquarters can be obtained if necessary. To elevate to a Tier 2 response, any designated IC can call anyone listed on the Business Unit Incident Support Team for activation of a Tier 2 response.
Tier 3	A Tier 3 incident by definition overwhelms the incident management and resource capabilities of a site or region. Therefore, additional ConocoPhillips resources from across the organization must be activated in order to successfully manage the incident. These resources include the Incident Management Assist Team (IMAT), Crisis Management Support Team (CMST) and Functional Support Teams (FST).



Niobrara Area

Tier 1 Emergency Response Plan

ICS Roles and Responsibilities

Niobrara Area will staff an Incident Commander, Operations Section Chief, Safety Officer, On-Scene Commander, Logistics Chief and Planning Section Chief in the initial response to all major incidents. A brief description of each role is given below.

Incident Commander

The Incident Commander (IC) is responsible for the overall management of the incident. In large incidents the IC may assign deputies to assist carrying out certain duties. Deputies must have the same qualifications as the person the person for whom they work, as they must be ready to take over that position at any time. The main responsibilities include staffing an appropriate ICS, developing response objectives, general direction and priorities for managing the incident, conducting briefings to management, unified command and the team, authority for expenditures, ensure notification are made, authorize media releases, authorize demobilization of response resources when appropriate.

Operations Section Chief

The Operations Section Chief (OCS) is responsible for management of all operations directly applicable to fulfilling the response objectives. Works in accordance with the IAP (Incident Action Plans), makes expedient changes to IAP, as necessary and reports such to the IC. The main responsibilities include determining areas of operation and requesting sufficient staff, request resources. Develop work assignments and allocate tactical resources, work with the safety officer to ensure compliance with safe practices, monitor response activities for reporting and mid-course correction purposes. The OCS may have one or more Deputy OSC's and may assign a Deputy OSC or On-Scene Commander to supervise on scene operations.

Safety Officer

The Safety Officer (SOFR) is responsible for developing and recommending measures to ensure personnel safety. The responsibilities include evaluation and monitoring of site and area conditions and hazards, implementing field monitoring as appropriate, review and approval of response plans for safety concerns, develop the medical plan and the site safety plan (ICS 201-5 or 208). The Safety Officer may have specialist and safety assistants as necessary in the field for specific responsibilities.

On-Scene Commander

Coordinates and directs on scene operational activities under the direction of the Operations Section Chief or Deputy as necessary and provided a Deputy OSC is not assigned to that task. The On-Scene Commander may also be assigned to supervise Operations Branch Directors in the field and is responsible for providing input into the IAP development as well as implementation of the IAP for all filed tactical operations.

Planning Section Chief

The Planning Section Chief (PSC), is a member of the General Staff, is responsible for the collection, evaluation, dissemination and use of incident information and maintaining status of assigned resources. Information is needed to: 1) understand the current situation; 2) predict the probable course of the incident events; 3) identify alternative strategies for the incident; 4) prepare Incident Action Plan (IAPs) and other required plans and 5) submit required incident status reports.

Logistic Section Chief

The Logistic Section Chief (LSC), a member of the General Staff, is responsible for providing facilities, services, supplies and material, and communications networks in support of the incident.

RBU/Rockies ICS Link: (Rockies Tab for Production)

<http://sptupl48.conocophillips.net/sites/MCBU/HSE/MCBU%20Emergency%20IST%20Roster/Forms/AllItems.aspx>



Niobrara Area
Tier 1 Emergency Response Plan

Alarms

Public Notification System

Area Alarms

Production Office/Area Alarms

<i>Alarm Type</i>	<i>Audible Tone</i>	<i>Visual</i>	<i>Response</i>
Office Fire/Smoke	Solid Buzzer	None	Evacuate the Building

D&C Alarms

Each Drilling or Completions contractor will have a variety of internal alarms as part of their notification system for various non-routine scenarios which could occur. This can include a separate system for area H2S monitoring. All information including alarm type, tone and visual specifics should not only be posted, but also part of daily JSA reviews for all employees and contractors. A H2S Contingency Plan will also be required.



**Niobrara Area
Tier 1 Emergency Response Plan**

Initial Response Procedure

Initial Notification

- Production- notify your supervisor and or the ConocoPhillips representative
- Drilling and Completion- notify the company man or a ConocoPhillips representative

Initial Discovery / Response Checklist		
DISCOVERER	<u>Initiate Initial Response Procedures and Notifications</u>	
PERSON-IN-CHARGE - - - BASIC RESPONSE GUIDELINES		
The appropriate response to a particular incident may vary depending on the nature and severity of the incident, location, wind direction and operations taking place. These are basic steps or guidance for all types of incidents.		
1	Secure the source.	If safe, act quickly to shut-in source, close valves, activate ESD system, etc. (IF SAFE TO DO SO, PROPERLY TRAINED & HAVE PROPER PPE).
2	Consider safety of personnel and follow Initial Notification.	Pull an alarm, push an evacuation button, use a radio. EVACUATE IF NECESSARY.
3	Should Initial Notification be unsuccessful.	Dial 911 from <u>cell phone</u> or <u>in office</u> dial 9-911 to notify Local Emergency Responders <ul style="list-style-type: none"> ✓ Your name and location and phone number ✓ Type of medical emergency ✓ Name, gender, approximate age and location of the injured ✓ Condition of injured ✓ Contact phone number ✓ Stay on the line
4	Eliminate ignition sources.	Shut-off motors, open flames, electrical circuits, vehicle entry.
5	Secure the incident site.	Secure access to the incident site to restrict unauthorized individuals and vehicles from entering.
6	Coordinate rescue and medical response actions.	Perform this task only if trained to do so (i.e., member of medical and/or rescue teams) Refer to listings in the local notifications section.
7	Identify pollutant and assess possible hazards to human health and the environment.	Identify source and volume; characterize oxygen levels, explosive character, toxicity of air on scene (assume H ₂ S is present until proven otherwise), splash and ingestion hazards. (See MSDS)
8	Initiate containment if necessary and safe to do so.	Contact emergency response contractors if necessary. Request response support if needed.



**Niobrara Area
Tier 1 Emergency Response Plan**

Injury / Medical

Injury / Medical Emergency Checklist	
The following checklist identifies key items to consider during a medical emergency at a company facility/location.	
<input type="checkbox"/>	Assess the scene and ensure your personal safety.
<input type="checkbox"/>	Assess and Stabilize the victim. Provide <u>BASIC LIFE SUPPORT</u> (if trained) at the scene if necessary by: <input type="checkbox"/> Maintain airway/breathing – administer CPR <input type="checkbox"/> Control bleeding <input type="checkbox"/> Treat for shock
<input type="checkbox"/>	Follow Initial Notification requirements if professional medical care for the victim is needed and request activation of professional medical care.
<input type="checkbox"/>	Should you be requested to transport a victim to a local hospital or physician, please note: Evacuation of seriously ill or injured persons should be conducted by ground or air ambulance only. Transportation by company or private vehicle should be discouraged, unless advised to do so by medical authorities.
<input type="checkbox"/>	Should Life Flight be needed: refer to <u>Appendix B</u> for procedure to prepare for safe landing and takeoff for helicopter.
<input type="checkbox"/>	Secure Scene to protect bystanders.

Emergency Rescue

If the need arises to perform an emergency rescue, the employee will:	
<input checked="" type="checkbox"/>	Contact the Operations Superintendent and/or D&C Supervisor and/or HSE Staff.
<input checked="" type="checkbox"/>	State the type of rescue situation needed.
<input checked="" type="checkbox"/>	Provide as much information about the situation as possible

The Operations Superintendent, D&C Supervisor and/or HSE Staff or their designee will:	
<input checked="" type="checkbox"/>	Contact the nearest emergency response agency:
<input checked="" type="checkbox"/>	Identify the location of the emergency.
<input checked="" type="checkbox"/>	State the nature of the emergency, “ <i>need for rescue</i> ”, including the type of rescue.



Niobrara Area
Tier 1 Emergency Response Plan

Gas Release

Gas Release Checklist	
<input type="checkbox"/>	Ensure personal safety, move crosswind/upwind away from release to a safe assembly point to assess the scene and/or release. Assume the release contains H ₂ S until proven otherwise.
<input type="checkbox"/>	When a gas release is noticed at any facility, secure the source, if safe to do so and shut down equipment, power and water and secure all sensitive materials prior to moving to an Assembly Point.
<input type="checkbox"/>	Account for all personnel in the area where the release occurred.
<input type="checkbox"/>	Evacuate all non-essential personnel from the area.
<input type="checkbox"/>	Establish communications- follow Initial Notification under Initial Response.
<input type="checkbox"/>	If trained to do so, rescue missing or injured personnel using the buddy system as required.
	Account for all evacuated personnel.
<input type="checkbox"/>	Refer to local SPCC Plan for Federal and State Reportable Quantities Notification requirements.
<input type="checkbox"/>	Conduct air monitoring to ensure the safety of personnel and determine the appropriate PPE that will be required to respond.
<input type="checkbox"/>	Should the "Designated Assembly Points" (the 3 Communication Points) not provide adequate shelter, COP employees/contractors may be requested to provide additional transportation to an adequate shelter area. IC to identify.



Niobrara Area

Tier 1 Emergency Response Plan

Fire / Explosion

Fire / Explosion Checklist	
<input type="checkbox"/>	Ensure personal safety by moving cross and up wind. Assume H2S is present until proven otherwise.
<input type="checkbox"/>	Follow Initial Notification contacts for support.
<input type="checkbox"/>	When fire is noticed at any facility, secure the source if safe to do so and shut down equipment, power and water and secure all sensitive materials prior to moving to an Assembly Point..
<input type="checkbox"/>	Account for all personnel in the area where the fire occurred.
<input type="checkbox"/>	Evacuate all non-essential personnel from the facility.
<input type="checkbox"/>	If trained to do so, rescue missing or injured personnel using the buddy system as required.
<input type="checkbox"/>	Conduct air monitoring to ensure the safety of personnel and determine the appropriate PPE that will be required to respond.
<input type="checkbox"/>	Initiate Incipient Level fire fighting if: <ul style="list-style-type: none"> • Fire is in an incipient stage • Employee is trained in the use and limitations of fire extinguishers. • Extinguishment does not expose employee to hazard
<input type="checkbox"/>	Should the "Designated Assembly Points" (the 3 Communication Points) not provide adequate shelter, COP employees/contractors may be requested to provide additional transportation to an adequate shelter area. IC to identify.
<input type="checkbox"/>	Refer to local SPCC Plan for Federal and State Reportable Quantities Notification requirements.

Wildfire Checklist	
<input type="checkbox"/>	Account for all personnel in the area where the fire occurred.
<input type="checkbox"/>	Insure Operations is aware of location of wildfire.
<input type="checkbox"/>	Evaluate need for operations shut down and personnel evacuation.
<input type="checkbox"/>	Establish communications with Lost Cabin Gas Plant, Operations and Drilling and Completions supervision.
<input type="checkbox"/>	Move flammable materials into sheltered storage.
<input type="checkbox"/>	If time permits, use available equipment to clear flammable debris and vegetation from site.
<input type="checkbox"/>	After wildfire has passed ensure that personnel are aware of potential hazards.



**Niobrara Area
Tier 1 Emergency Response Plan**

Spill/Chemical Release- only respond to a spill or chemical release if properly trained, have the proper equipment (PPE), utilizing the buddy system and respond at the direction of the IC..

Spill/Chemical Release Response Checklist	
Response	Action
<input type="checkbox"/> Ensure Personal Safety	Assess the scene before responding, evacuate to a safe distance crosswind and upwind for assessment. Assume H2S is present until proven otherwise.
<input type="checkbox"/> Follow Initial Notification contacts for support	Contact by radio or cell phone
<input type="checkbox"/> Uncertain about the safety of an area.	Wear protective gear (PPE) and a breathing apparatus, if trained to do so.
<input type="checkbox"/> Assessing the scene	Approach material from an upwind direction.
<input type="checkbox"/> Evaluating the spill	Do not walk into or touch any spilled material. Avoid inhaling fumes, smoke and vapors, even if no hazardous materials are involved.
<input type="checkbox"/> Initial Response	Determine strategic objectives at the beginning of the spill response.
<input type="checkbox"/> Stop the flow of spilled product.	If safe to do so, close valves, etc.
<input type="checkbox"/> Consider safety of on-site personnel and responding personnel.	Sound alarm (if applicable). Evacuate if necessary. Restrict access.
<input type="checkbox"/> Shut off ignition source.	If safe to do so, shut off motors, open flames and electrical circuits.
<input type="checkbox"/> Coordinate rescue and medical response actions.	Refer to the "Injury/Medical Checklist" above if there has been an injury.
<input type="checkbox"/> Identify release and assess possible hazards to human health and the environment.	Conduct air monitoring to ensure the safety of personnel and determine the appropriate PPE that will be required to respond.
<input type="checkbox"/> Transportation assistance.	Should the "Designated Assembly Points" (the 3 Communication Points) not provide adequate shelter, COP employees/contractors may be requested to provide additional transportation to an adequate shelter area. IC to identify.
<input type="checkbox"/> Verify IC is reporting all spills	Refer to local SPCC Plan for Federal and State Reportable Quantities Notification requirements.



Niobrara Area

Tier 1 Emergency Response Plan

Severe Weather

For guidance on all types of severe weather refer to the RBU Adverse Weather Guideline document located in the L48 HSE Management System, Element 6 (Operating Procedures.)

Thunderstorms / Lightning / High Winds Checklist	
<u>This checklist identifies actions to be taken when the facility is threatened by thunderstorms, producing lightning or high winds.</u>	
<input type="checkbox"/>	Upon notification by weather monitoring of impending severe weather conditions, notify the Operations Superintendent / D&C Superintendent or the Field Office of the situation.
<input type="checkbox"/>	Personnel may be instructed to shut down all nonessential activities. Personnel must also take responsibility for their own safety & shut down the job themselves if they feel it is unsafe to continue.
<input type="checkbox"/>	Take shelter until the storm has passed.
Snow and Ice Storm	
<input type="checkbox"/>	In the event of a snow or ice storm, the Operations Supervisor/D&C Superintendent will ensure provisions and resources are available to sustain safe operations of the facility/site during the snow or ice storm. Or shut-in wells & facilities if warranted.
Tornado General Response Activities	
The following provides general information and identifies actions to consider during an event which a tornado could impact the field.	
<u>Drilling, Completions and Construction Tornado Response Activities</u>	
<u>Drilling Response:</u> In the event of a tornado warning validated by either local Public Address System, Red Dog Shelter Alerting System or Weather Radio stationed on location, the following actions are required:	
<ul style="list-style-type: none"> • Initiate well control procedures, i.e., secure the well. • Muster all personnel on location inside the Red Dog Shelter. • Secure the shelter and activate the crew alert radio system. • Utilize the location sign in sheet in order to conduct a head count. In the event the head count is incorrect; assess risk prior to conducting search activities. 	
<u>Completions Response:</u> In the event of a tornado warning validated by either local Public Address System, Red Dog Shelter Alerting System or Weather Radio stationed on location, the following actions are required:	
<ul style="list-style-type: none"> • Initiate well control procedures i.e. secure the well. • Muster all personnel on location inside the Red Dog Shelter. • Secure the shelter and activate the crew alert radio system. • Utilize the location sign in sheet in order to conduct a head count. In the event the head count is incorrect; assess risk prior to conducting search activities. 	



Niobrara Area

Tier 1 Emergency Response Plan

Drilling and Completions Construction Response: In the event of a tornado warning validated by either local Public Address System, Red Dog Shelter Alerting System or Weather Radio, the following actions are required:

The Construction Well Site Supervisor shall alert personnel of a tornado and instruct personnel to precede to the closest tornado shelter located on either drilling or completions locations. In the event time does not allow, supervisor shall advise personnel to seek shelter in low areas or ditches. Do not utilize vehicles as shelter.

Drilling, Completions and Construction Post Tornado Response Activities

After validating the storm has passed, well site supervisors shall conduct a thorough walk through of their locations looking for ruptures, leaks or other equipment damage. Upon completion of damage assessment, contact the D&C Superintendent and advise of present conditions. The D&C Superintendent will review/evaluate the potential of the incident (stable, increasing, decreasing) and determine if further action/support is required (i.e., spill, release, well control, etc.) If so, the following actions will be taken:

- Implement location Emergency Action Plan (EAP) as per situation; implement Incident Command System (ICS) if situation dictates.
- Dispatch personnel and equipment as needed to maintain communications, man equipment and to direct traffic.
- Consider the need for Industrial Hygiene, air sampling or monitoring, contact WESR.
- Fulfill public relations responsibilities.
- Evaluate the need for Security for the area.

Operations (Production, Maintenance, Construction) Response:

The facility operator should alert personnel of the sighting of a tornado and instruct personnel to seek cover in storm shelter at the completions location, in interior rooms of the office, warehouses or control room. If caught in the open, seek shelter in low areas or ditches. Do not utilize vehicles as shelter.

After the storm has passed, conduct a thorough walk through of the facilities looking for ruptures, leaks or other equipment damage. Shut in portions of the facility as necessary. Notify the Operations Superintendent of the present conditions. The Operations Superintendent will review/evaluate the potential of the incident (stable, increasing, decreasing) and determine if further action/support is required (i.e., spill, release, well control, etc.). If so, the following actions will be taken:

- Dispatch personnel and equipment as needed to maintain communications, man equipment and to direct traffic.
- Contact local public safety officials as required.(all Notifications)
- Establish an on-site command post if needed.
- Consider the need for Industrial Hygiene, air sampling or monitoring.
- Fulfill public relations responsibilities.
- Evaluate the need for Security for the area.



Niobrara Area

Tier 1 Emergency Response Plan

Threat of /Terrorist Attack

In the event there is suspicion of terrorism, contact the Operations Superintendent and immediately call Global Security for guidance at 281-293-1748.

Should an event occur where terrorism is probable, contact Operations Superintendent followed by contacting local law enforcement and the FBI immediately. A call to the Crisis Management Hotline should then follow.

Respond to an incident only to the level you are trained and it is safe to do so. Do not disturb the area to protect evidence of the emergency.

Unauthorized Personnel on Location

In the event an unauthorized person is noticed on the property, the following steps shall be taken:	
<input type="checkbox"/>	Make a thorough initial report of observed activity and on scene conditions. Include a detailed description of the suspicious person including clothing, approximate height, weight, age, etc.
<input type="checkbox"/>	Inform the unauthorized individual that he/she is in a restricted area and will need to leave immediately.
<input type="checkbox"/>	Remain on scene if possible at a safe distance until relieved by law enforcement personnel.
<input type="checkbox"/>	Monitor the action of the unauthorized individual and report any unusual behavior to authorities.

Vandalism/Theft

Upon discovering stolen items or vandalism:	
<input type="checkbox"/>	Do not touch anything or disturb the area.
<input type="checkbox"/>	Notify Supervisor immediately.
<input type="checkbox"/>	Report the stolen items to the Local Emergency Responders. (Police or Sheriff)
<input type="checkbox"/>	Make a list of any missing items; include as much detail as possible and provide to local law enforcement.
In the event a person is discovered vandalizing or stealing property:	
<input type="checkbox"/>	Do not approach the suspicious person. It may not be safe to do so.
<input type="checkbox"/>	Notify Supervisor immediately.
<input type="checkbox"/>	Remain on scene if possible at a safe distance until relieved by law enforcement personnel.

Media Response

When confronted by a reporter or someone outside ConocoPhillips regarding company business:

- o Don't answer questions
- o Never go off the record
- o Never speculate
- o Get contact information and offer to have a company spokesperson contact them.

Call the Lower 48 Designated Spokesperson, Jim Lowry, Office 832-486-3134, Cell 832-212-0139. If media spokesperson is unavailable, call the Crisis Hotline, 800-342-5119.



ConocoPhillips
Niobrara Area
Tier 1 Emergency Response Plan

Unexploded Ordnance (UXO) Plan

A portion of COPC work activities in the Niobrara field is located on State Land Board property named the Former Lowry Bombing & Gunnery Range. The previous owner was the US Air Force and the property was used for bombing and target practice from the 1930s until the 1960s. Unexploded Ordnance (UXO—ordnance that fired but did not explode) remains on the property and presents a real hazard in the area.

For this reason COPC employees and contractors working the Niobrara field are required to complete UXO Awareness training.

Following is key information you must know and follow:

- Access is limited to existing roads and locations only. Additional training is required prior to travelling by any means off designated roads or locations.
- Any intrusive ground work (i.e., excavation or digging of any type) will require additional training (Level 2); no digging allowed without appropriate training.
- Weather conditions, time, and ground disturbances can expose previously buried UXO.
- Should you identify any object at the surface which has the potential to be a UXO, back away and immediately contact your COPC Supervisor or HSE.

COPC employees and contractors who will be performing digging or who leave the existing roads and locations are required to complete L2 UXO training. This training is conducted by a third party and coordinated through ConocoPhillips HSE.



Niobrara Area
Tier 1 Emergency Response Plan

Incident Report Form

Incident Information:

Who:

What:

Where:

When:

How:

Fatalities/Injuries? Yes No Number: ____ Comments:

Personnel Accounted? Yes No Comments:

Area Secure? Yes No Comments:

Public Impact? Yes No Comments:

Call Back Number: Time for Call Back:

Other Information: (Rate of discharge, etc.)

Incident Evaluation:

Incident Potential: Decreasing Stable Increasing

Decreasing – Incident has occurred. Remaining activities include clean up and demobilization.

Stable – Incident has occurred, but emergency response activities continue (i.e., explosion with fire).

Increasing – Incident is growing in size and manner.

Incident Support (IST):

Establish Emergency Response Room (Pecan Room Midland Offices)? Yes No

If yes, notify Operations Support and Process Specialist from notification rotation.

Notify Management Chain of Command? Yes No

Follow L48/LA Emergency Preparedness and Crisis Management Procedure guidelines.

Contact Crisis Hotline? (1-800-342-5119) Yes No

If yes, delegate to Asset? Yes No

IMAT Support Required? Yes No

Command (Chief-of-Staff, Media, HSE, Deputy IC)

Finance (Compensation/Claims)

Planning (SC, SitStat, Resource, Documentation, NRDA)

Operations (Section Chief, Staging)

Logistics (Section Chief, Services, Communications, Security)



Niobrara Area
Tier 1 Emergency Response Plan

ICS Forms

ICS 201-1 Incident Briefing Map/Sketch			
Incident:	Prepared By:	at	
Period:	Version Name:		
ICS 201-1 Incident Briefing Map/Sketch			© 1997-2009 TRG/dbSoft, Inc.



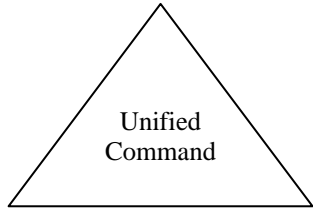
**Niobrara Area
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ICS 201-2 – Summary of Current Actions			
Incident:	Prepared at:		
	By:		
Period:	to	Version Name:	
Incident Information			
Initial Incident Objectives			
Summary of Current Actions			
Date/Time	Action/Note		
ICS 201-2 Summary of Current Actions			© 1997-2009 TRG/dbSoft, Inc.
ICS 201-3 Current Organization			



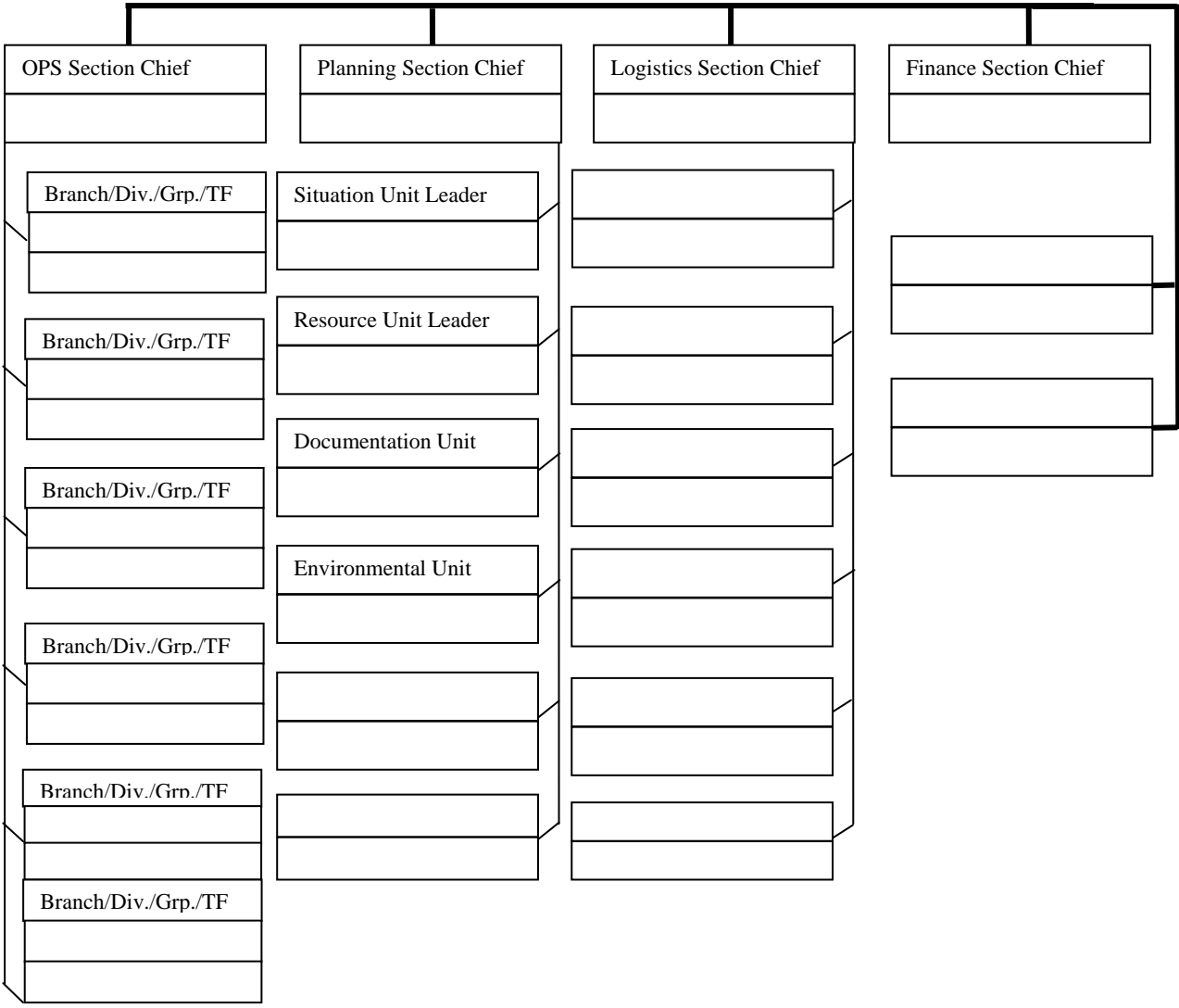
Niobrara Area
Tier 1 Emergency Response Plan

Incident:	Prepared By:	at:
Period:	Version Name:	



Federal	_____
State	_____
Incident Commander	_____

Safety Officer	_____
Liaison Officer	_____
Information Officer	_____





Niobrara Area

Tier 1 Emergency Response Plan

ICS 201-5 Site Safety and Control Analysis	
Incident:	Prepared By: _____ at: _____
Period:	Version Name:
Site Control	
1. Is Site Control set up? <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Is there an on-scene command post? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, where?
3. Have all personnel been accounted for? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Don't Know	Injuries: _____ Fatalities: _____ Unaccounted: _____ Trapped: _____
4. Are observers involved, or rescue attempts planned? Observers: <input type="checkbox"/> Yes <input type="checkbox"/> No Rescuers: <input type="checkbox"/>	5. Are decon areas setup? <input type="checkbox"/> Yes <input type="checkbox"/> No If so, where?
Hazard identification, immediate signs of: (if yes, explain in Remarks)	
1. Electrical line(s) down or overhead? <input type="checkbox"/> Yes <input type="checkbox"/> No	2. Unidentified liquid or solid products visible? <input type="checkbox"/> Yes <input type="checkbox"/> No
3. Wind direction across incident: <input type="checkbox"/> Towards your position Wind Speed _____ <input type="checkbox"/> Away from	4. Is a safe approach possible? <input type="checkbox"/> Yes <input type="checkbox"/> No
5. Odors or smells? <input type="checkbox"/> Yes <input type="checkbox"/> No	6. Vapors visible? <input type="checkbox"/> Yes <input type="checkbox"/> No
7. Holes, ditches, fast water, cliffs, etc. nearby? <input type="checkbox"/> Yes <input type="checkbox"/> No	8. Fire, sparks, sources of ignition nearby? <input type="checkbox"/> Yes <input type="checkbox"/> No
9. Is local traffic a potential problem? <input type="checkbox"/> Yes <input type="checkbox"/> No	10. Product placards, color codes visible? <input type="checkbox"/> Yes <input type="checkbox"/> No
11. Other Hazards? <input type="checkbox"/> Yes <input type="checkbox"/> No	12. As you approach the scene from the upwind side, do you note a change in the status of any of the above? <input type="checkbox"/> Yes <input type="checkbox"/> No
Hazard Mitigation: have you determined the necessity for any of the following?	
1. Entry Objectives:	
2. Warning sign(s), barriers, color codes in place? <input type="checkbox"/> Yes <input type="checkbox"/> No	
3. Hazardous material being monitored? <input type="checkbox"/> Yes <input type="checkbox"/> No 3a. Sampling Equipment: 3b. Sampling location(s): 3c. Sampling frequency: 3d. Personal exposure monitoring:	
4. Protective gear / level: 4b. Respirators: 4d. Boots:	4a. Gloves: 4c. Clothing: 4e. Chemical cartridge change frequency:
5. Decon 5a. Instructions: 5b. Decon equipment and materials:	
6. Emergency escape route established? <input type="checkbox"/> Yes <input type="checkbox"/> No Route?	
7. Field responders briefed on hazards? <input type="checkbox"/> Yes <input type="checkbox"/> No	
8. Remarks:	
ICS 201-5 Site Safety and Control Analysis	© 1997-2009 TRG/dbSoft, Inc.



**Niobrara Area
Tier 1 Emergency Response Plan**

Well Information and Risk Assessment

In order to identify potential scenarios which may require activation of the emergency action plan in the Niobrara Field, ConocoPhillips used an Incident Priority Tool. This priority tool was used in conjunction with the Risk Matrix from the Lower 48 HSE Management System Element #2 Risk Management Program. Each scenario was risk ranked in the following four categories: Significant Life Safety Issues, Significant Environmental Impact, High Probability to Exceed Tier 1 (asset) Response Capabilities, and the Likelihood to Attract Media Attention, as required by the EP & CM Program. The four possible risk classifications are; Low Risk, Medium Risks, Significant Risks, and High Risks. Below are the identified scenarios and their corresponding risk levels which were identified and could prompt the need to use this Emergency Response Plan.

Incident Priority Tool – Niobrara Area	
Type of Incident	Risk Classification
<i>Fire/Explosion</i>	
Dehy/separator fire	MEDIUM
Compressor Fire	MEDIUM
Tank Fire	MEDIUM
Wellhead/piping/meter run Sweet Well	MEDIUM
Wellhead/piping/meter run Sour well	MEDIUM
Flare stack	MEDIUM
Construction/Maintenance	MEDIUM
Flash Fire (drilling)	MEDIUM
Flash Fire Completion	MEDIUM
Flash Fire Production	MEDIUM
Rig welding	LOW
Rig Fire	SIGNIFICANT
Loss Of Well Control	MEDIUM
Electrical Fire	MEDIUM
Vehicle Fire	LOW
Thawing using open flame	LOW
Hot Oiling operations	LOW
Office/living quarters	LOW
Excavation Line strike sour	MEDIUM
Excavation Line strike sweet	MEDIUM
Chemical fire	LOW
<i>Injury/Illness</i>	
Fatality	SIGNIFICANT
Multiple Casualty	MEDIUM
Serious Medical	MEDIUM
Missing Person	MEDIUM
Chemical Exposure	LOW
<i>Spills/Releases</i>	
Well Control no fire sweet	SIGNIFICANT
Transporting fluids	MEDIUM
Drilling rig hose/line failure	MEDIUM
Well Control no fire sour	MEDIUM
Pipeline leak SWD Water	MEDIUM
Pipeline leak SWD Water/condensate	MEDIUM
Spill to sensitive area	MEDIUM
Tank overrun exceed secondary containment	MEDIUM



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Loss containment surface facilities	MEDIUM
Chemical spill	MEDIUM
<i>Natural Disasters</i>	
Lightning no fire	MEDIUM
Wildfire (external source)	LOW
Earthquake	LOW
Weather extremes	MEDIUM
Pandemic Flu	LOW
<i>Security</i>	
Terrorism/Sabotage	SIGNIFICANT
Security Breach Office/location	LOW


ConocoPhillips
Niobrara Area
Tier 1 Emergency Response Plan

Drills and Training

Drills

Drills and exercises will be the responsibility of the Niobrara Area Production and/or D&C management and coordinated with/through the RBU Emergency Response Coordinator, the Rockies Asset Emergency Response Coordinator and area management. The primary components of this program are notification and tabletop drills and facility owned equipment deployment drills. Depending on type of drill, Federal, State and Local agencies may be invited to support or participate.

All drills and actual response events will be critiqued. If deficiencies within this plan are identified and revisions need to be made, contact the Rockies Asset Emergency Response Coordinator identified in this plan.

Training

Training for emergency response personnel must be completed prior to performing assistance during a real emergency. Examples of the type of training courses required are, but limited to: Emergency Response Plan review, SPCC, QIIC/ICS, Spill Boom Deployment, PPE use and care, Fire Extinguisher, First Aid/CPR, and Tabletop Drills

Training requirements for each person should be coordinated through their Supervisor and the Rockies Asset Training Coordinator. Refresher training will also be identified during an annual review of each employee's individual training plan.

ConocoPhillips
Niobrara Area
Tier 1 Emergency Response Plan

Appendix B

HELICOPTER SAFETY

Emergency/Critical Care Transport



1-877-2-GET-AIRLIFE www.AIRLIFEDenver.com



Health
ONE
LEADING HOSPITALS.
TRUSTED CARE.



DO NOT APPROACH HELICOPTER
unless signaled by pilot or crewmember.



DO NOT WALK BEHIND HELICOPTER
at any time due to tail rotor hazard.



STAY IN PILOT'S VIEW
at all times when approaching the aircraft.



ONLY NECESSARY PERSONNEL
should approach helicopter.



DO NOT RAISE ANYTHING ABOVE YOUR HEAD
while in the vicinity of the helicopter.



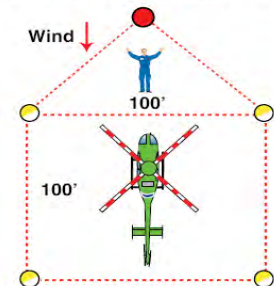
SPECTATORS MUST REMAIN WELL CLEAR
of the helicopter.



DO NOT OPEN OR CLOSE AIRCRAFT DOORS.
Crew members will direct the loading/unloading of patient.

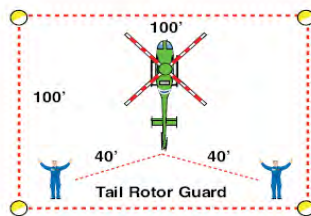


DO NOT SMOKE OR HAVE FIRE
within 50 yards of the helicopter.



Landing Zone Officer (LZO)

- 100 ft. x 100 ft. level and free of debris
- Obstruction free: no poles, wires, trees, etc.
- Identify obstacles in approach and departure path
- Secure LZ (bystanders at > 200 ft.)
- Wind at your back, arms up
- Exit LZ just prior to helicopter landing



Tail Rotor Guard (TRG)
After the helicopter has landed:

- Position yourself 40 ft. behind and to the left or right side of helicopter
- Do not allow anyone to approach from the rear or around the back of the helicopter
- Remain in position until helicopter is ready to depart or you are signaled by flight crew



PROTECT EYES
with safety goggles or turn head when helicopter is landing or departing.




ConocoPhillips
Niobrara Area
Tier 1 Emergency Response Plan

Appendix C

Well Control Response Plan

The Well Control Response Plan is managed through the Drilling and Completions group:

Derly Gonzalez, Drilling Manager	office #: 432-688-6086	cell #: 432-599-2879
Bob Strickler, Drilling Superintendent	office #: 307-855-2702	cell #: 307-315-4476
Dean Gahr, Well Site Safety	office #: 251-379-8524	cell #: 303-513-9064










**Niobrara Area
Tier 1 Emergency Response Plan**

Record of Revisions

- The Niobrara Area HSE Representatives are responsible for reviewing, updating, and distributing this ERP
- This ERP will be reviewed annually or more frequently as significant changes occur that affect the Company’s response capability. Suggestions for corrections and modifications will be solicited from all users of the plan and should be submitted directly to the HSE representatives.
- Plan revisions or amendments will be numbered sequentially and entered in the Record of Changes. The revision number, date, and description of change will also be entered on the form. These changes are then to be distributed to all plan holders.

RECORD OF CHANGES		
Revision Number	Date	Revision
1	8/14/2012	Initial draft created.
2	6/12/2013	Revised Emergency Response Notification
3	8/13/13	Updated Severe Weather response; updated map link, updated well inventory; updated personnel contacts; added link to ERP; updated Emergency Response contractors
4		
5		
6		
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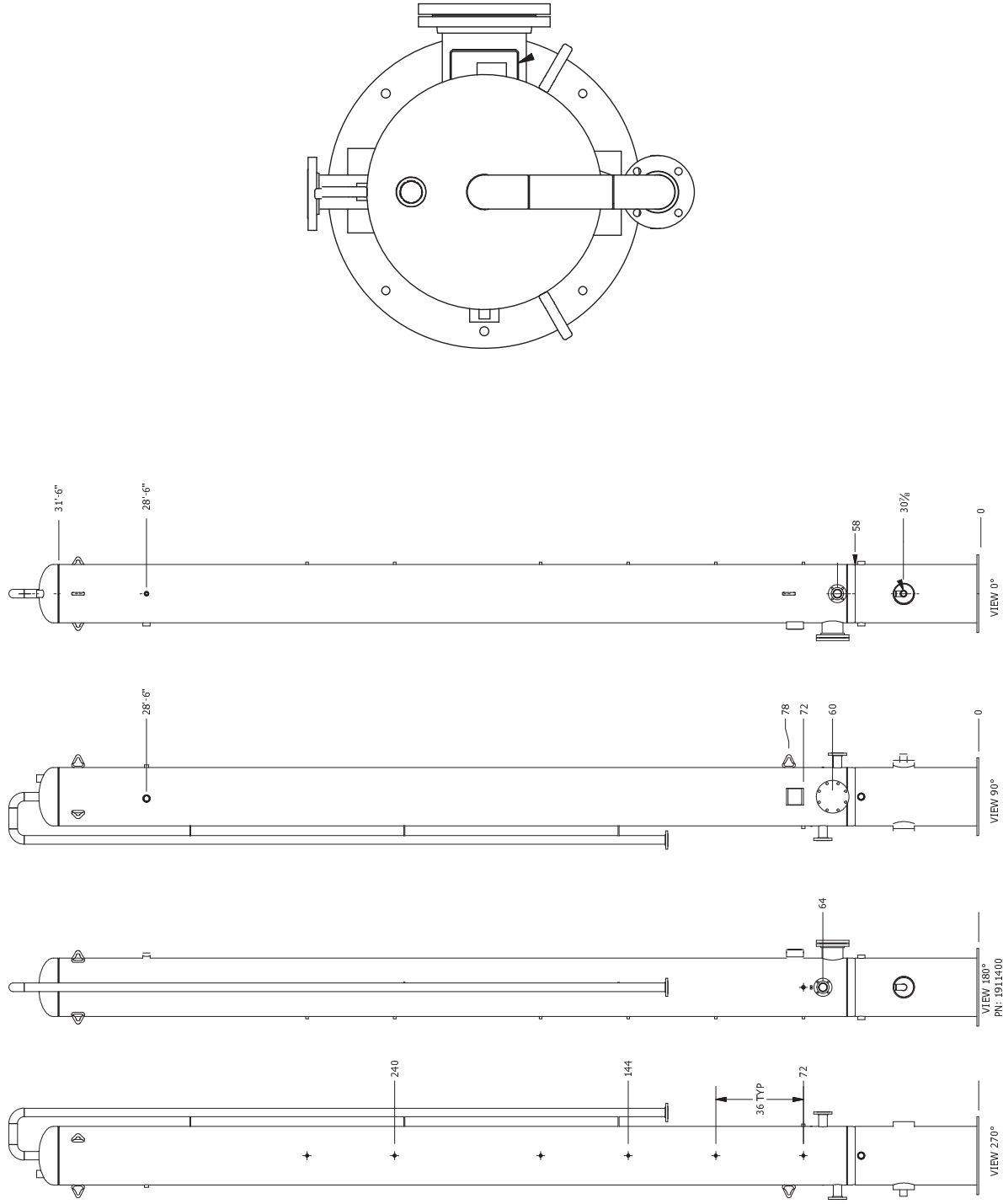
Controlled Copies List

Plan Number	Position Assigned To:	Location	Electronic or Hard Copy	Status
1 	L48 HSE Management System, Emergency Preparedness, Level II Document, Niobrara Area ERP	Houston Office	Electronic	Controlled
2 	RBU ER Coordinator	Houston, TX	Electronic and Hardcopy	Controlled
3 	Lower 48 ER Coordinator	Houston, TX	Electronic and Hardcopy	Controlled
4 	Niobrara Production Superintendent/Operations Manager	Watkins, CO	Electronic and Hardcopy	Controlled
5 	Niobrara Area D&C Superintendent	Riverton, WY	Electronic and Hardcopy	Controlled
6 	RBU Drilling Manager	Houston/ Midland, TX	Electronic and Hardcopy	Controlled
7 	Niobrara Asset Manager	Houston office	Electronic and Hardcopy	Controlled

Best Management Practices

ConocoPhillips Company is the world's largest independent exploration and production company, based on proved reserves and production of liquids and natural gas. A commitment to safety, operating excellence and environmental stewardship guide our operations in 30 countries, and our SPIRIT values of Safety, People, Integrity, Responsibility, Innovation, and Teamwork set the tone for how we behave. With experience operating in the adjacent jurisdictions of unincorporated Adams and Arapahoe Counties, the following best management practices will be observed during ConocoPhillips operations within the City of Aurora.

- A closed loop system will be used instead of open drilling pits.
- Berms or other secondary containment devices shall be constructed around crude oil, condensate, and produced water storage tanks so that they will contain 150% of the largest single tank.
- Fresh water for drilling and completion activities shall be provided from a source that is permitted for industrial/commercial use. To reduce truck traffic, where feasible, ConocoPhillips will utilize a temporary above-ground water line from a local water source to supply water to the well site. ConocoPhillips utilizes a contract water provider that will work with local water suppliers, landowners, and the city to secure a source and route to deliver water to the site.
- All operations areas shall be enclosed with a barbed wire field fence to restrict wildlife and/or livestock from entering the location.
- ConocoPhillips will use delineated haul routes to minimize traffic around more densely populated areas and minimize damage to city roads.
- Produced water will be disposed of at a COGCC approved salt water disposal well.
- Combustors will be used to destroy fugitive emissions, eliminating the need for vapor recovery units. Emissions tests will be performed on a completed facility after the well is in production.
- Baseline water quality testing will be performed in accordance with COGCC Rule 609.



ConocoPhillips: RBU, Niobrara

Date: 8/27/2013

VAPOR RECOVERY TOWER

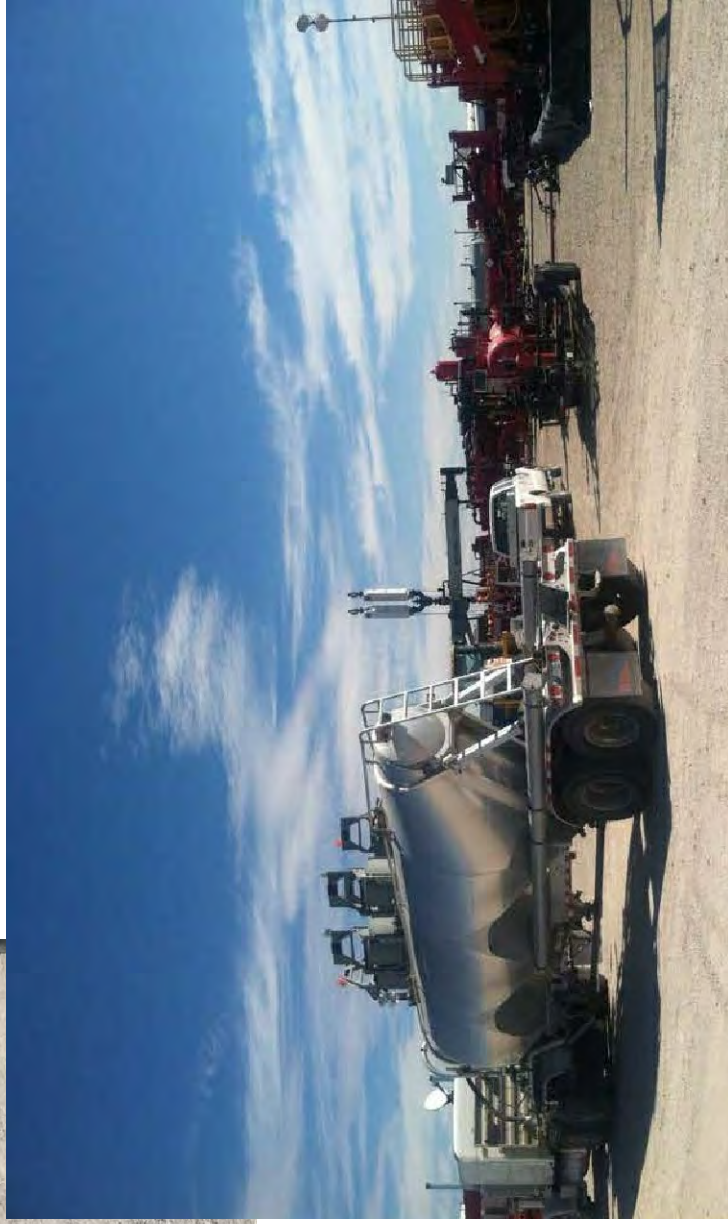
ConocoPhillips

Models: 601 - 605



SAND CASTLES AND TRUCKS

TRUCKS AND PUMPS



AURORA COLORADO OIL & GAS OPERATIONS
COMPLETION SITE

CONOCOPHILLIPS COMPANY

ATTN: MAXWELL BLAIR
34501 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3711

10333 E. Dry Creek Rd,
Suite 240
Englewood, CO 80112
Tel: (720) 482-9526
Fax: (720) 482-9546





AURORA COLORADO OIL & GAS OPERATIONS
DIESEL FUEL AND GENERATORS WITH SECONDARY CONTAINMENT

CONOCOPHILLIPS COMPANY

ATTN: MAXWELL BLAIR
34501 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3711

10333 E. Dry Creek Rd.
Suite 240
Englewood, CO 80112
Tel: (720) 482-9526
Fax: (720) 482-9546





**AURORA COLORADO OIL & GAS OPERATIONS
DRILLING RIG WITH AUTOMATIC PIPE HANDLING**

CONOCOPHILLIPS COMPANY

ATTN: MAXWELL BLAIR
34501 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3711

10333 E. Dry Creek Rd,
Suite 240
Englewood, CO 80112
Tel: (720) 482-9526
Fax: (720) 482-9546





AURORA COLORADO OIL & GAS OPERATIONS
DRILLING RIG

CONOCOPHILLIPS COMPANY

ATTN: MAXWELL BLAIR
34501 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3711



10333 E. Dry Creek Rd.
Suite 240
Englewood, CO 80112
Tel: (720) 482-9526
Fax: (720) 482-9546



AURORA COLORADO OIL & GAS OPERATIONS
 MOBIL TORNADO SHELTER
 CONOCOPHILLIPS COMPANY
 ATTN: MAXWELL BLAIR
 34501 E. QUINCY AVE.
 WATKINS, CO 80137
 PHONE: (303) 268-3711

10333 E. Dry Creek Rd.
 Suite 240
 Englewood, CO 80112
 Tel: (720) 482-9526
 Fax: (720) 482-9546





**AURORA COLORADO OIL & GAS OPERATIONS
MATERIALS STORAGE WITH SECONDARY CONTAINMENT**

CONOCOPHILLIPS COMPANY
ATTN: MAXWELL BLAIR
34501 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3711

10333 E. Dry Creek Rd,
Suite 240
Englewood, CO 80112
Tel: (720) 482-9526
Fax: (720) 482-9546





AURORA COLORADO OIL & GAS OPERATIONS
PIPE STORAGE RACK

CONOCOPHILLIPS COMPANY
ATTN: MAXWELL BLAIR
34501 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3711

10333 E. Dry Creek Rd,
Suite 240
Englewood, CO 80112
Tel: (720) 482-9526
Fax: (720) 482-9546





AURORA COLORADO OIL & GAS OPERATIONS
PRODUCTION FACILITY

CONOCOPHILLIPS COMPANY
ATTN: MAXWELL BLAIR
34501 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3711

10333 E. Dry Creek Rd,
Suite 240
Englewood, CO 80112
Tel: (720) 482-9526
Fax: (720) 482-9546





**AURORA COLORADO OIL & GAS OPERATIONS
OFFICES & TEMPORARY LIVING QUARTERS**

CONOCOPHILLIPS COMPANY

ATTN: MAXWELL BLAIR
34501 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3711

10333 E. Dry Creek Rd,
Suite 240
Englewood, CO 80112
Tel: (720) 482-9526
Fax: (720) 482-9546





HYDRAULIC FRACTURING
FLUID STORAGE TANKS

TEMP. SOUND MITIGATION WALLS

AURORA COLORADO OIL & GAS OPERATIONS
TEMPORARY SOUND MITIGATION WALLS

CONOCOPHILLIPS COMPANY
ATTN: MAXWELL BLAIR
34501 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3711

10333 E. Dry Creek Rd.
Suite 240
Englewood, CO 80112
Tel: (720) 482-9526
Fax: (720) 482-9546





TANK BATTERY

PUMP JACK

AURORA COLORADO OIL & GAS OPERATIONS
WORKOVER RIG-PRODUCTION SETTING

CONOCOPHILLIPS COMPANY

ATTN: MAXWELL BLAIR
34501 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3711

10333 E. Dry Creek Rd.
Suite 240
Englewood, CO 80112
Tel: (720) 482-9526
Fax: (720) 482-9546



SECTION C

SIGNAGE

NOTE: ADDRESS WILL BE INCORPORATED WITH SIGN.



AURORA COLORADO OIL & GAS OPERATIONS

SIGNAGE

CONOCOPHILLIPS COMPANY

ATTN: MAXWELL BLAIR
34501 E. QUINCY AVE.
WATKINS, CO 80137
PHONE: (303) 268-3711

10333 E. Dry Creek Rd.
Suite 240
Englewood, CO 80112
Tel: (720) 482-9526
Fax: (720) 482-9546



SECTION D

COGIS DRILL PERMIT

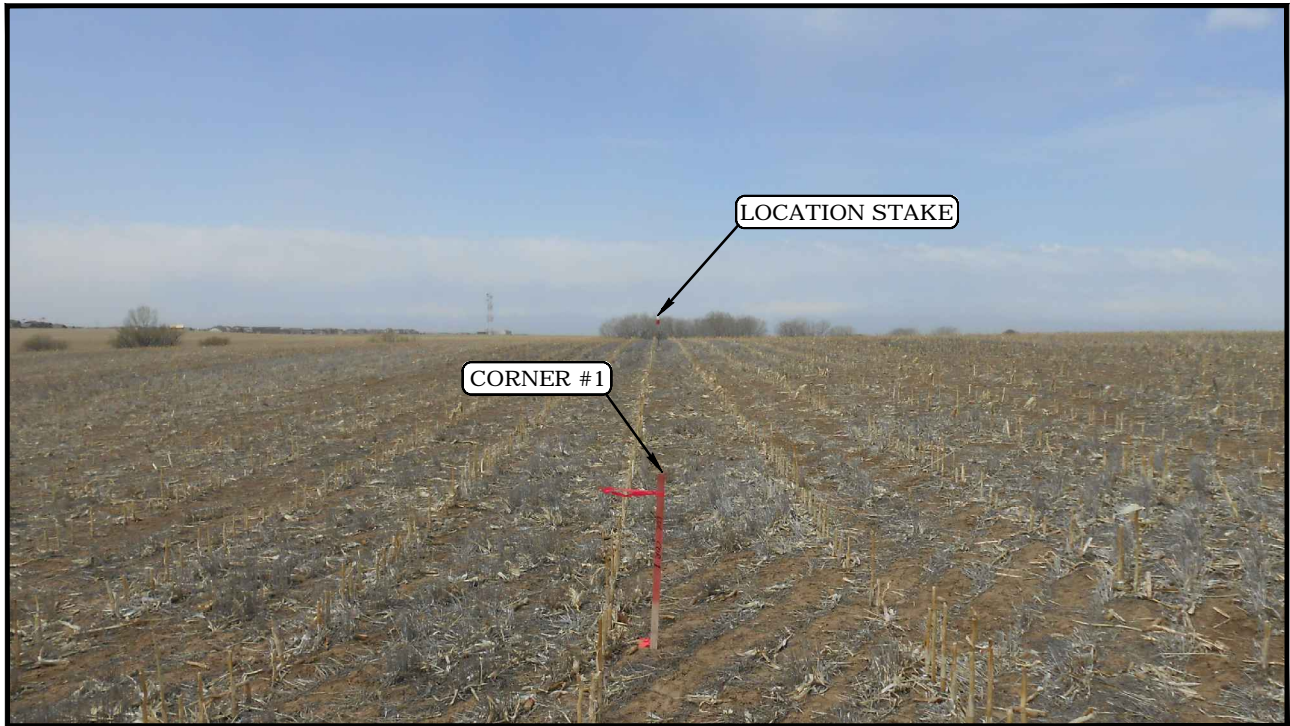


PHOTO: VIEW FROM CORNER #1 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY

ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL**



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DRAWN BY: T.W.	DATE DRAWN: 06-25-14
TAKEN BY: D.N.	REVISED: 08-08-14 J.L.G.
LOCATION PHOTOS	PHOTO 1



PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: NORTHERLY

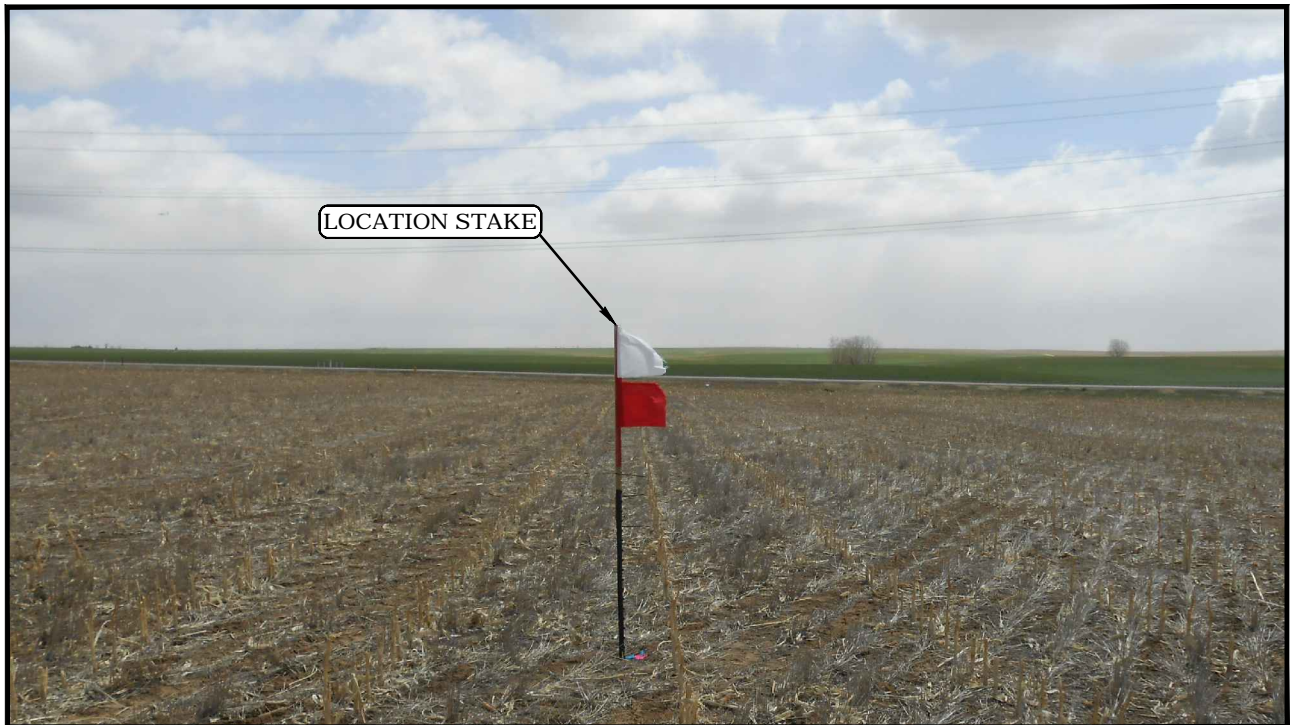


PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: EASTERLY

ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL**



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DRAWN BY: T.W.	DATE DRAWN: 06-25-14
TAKEN BY: D.N.	REVISED: 08-08-14 J.L.G.

LOCATION PHOTOS	PHOTO 2
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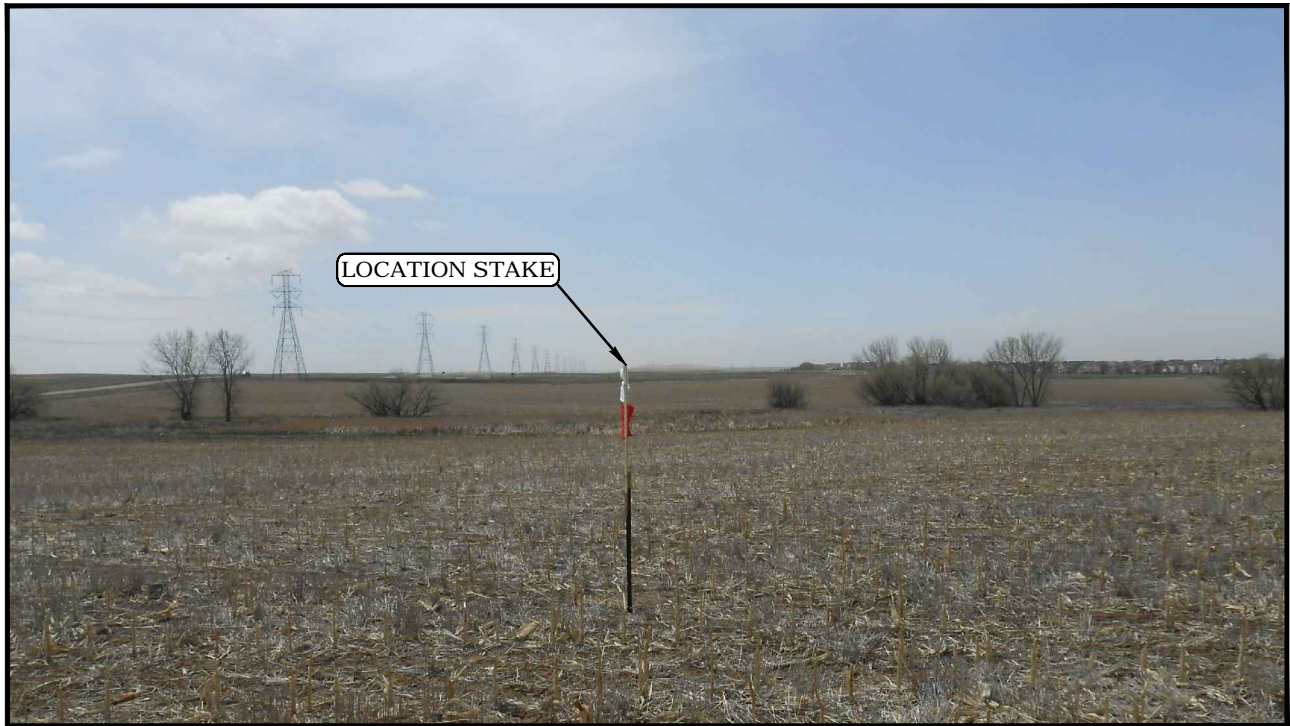


PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF LOCATION STAKE

CAMERA ANGLE: WESTERLY

ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL**



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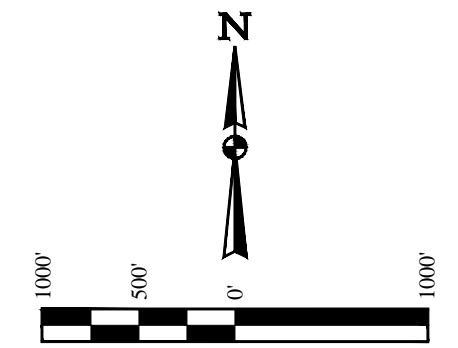
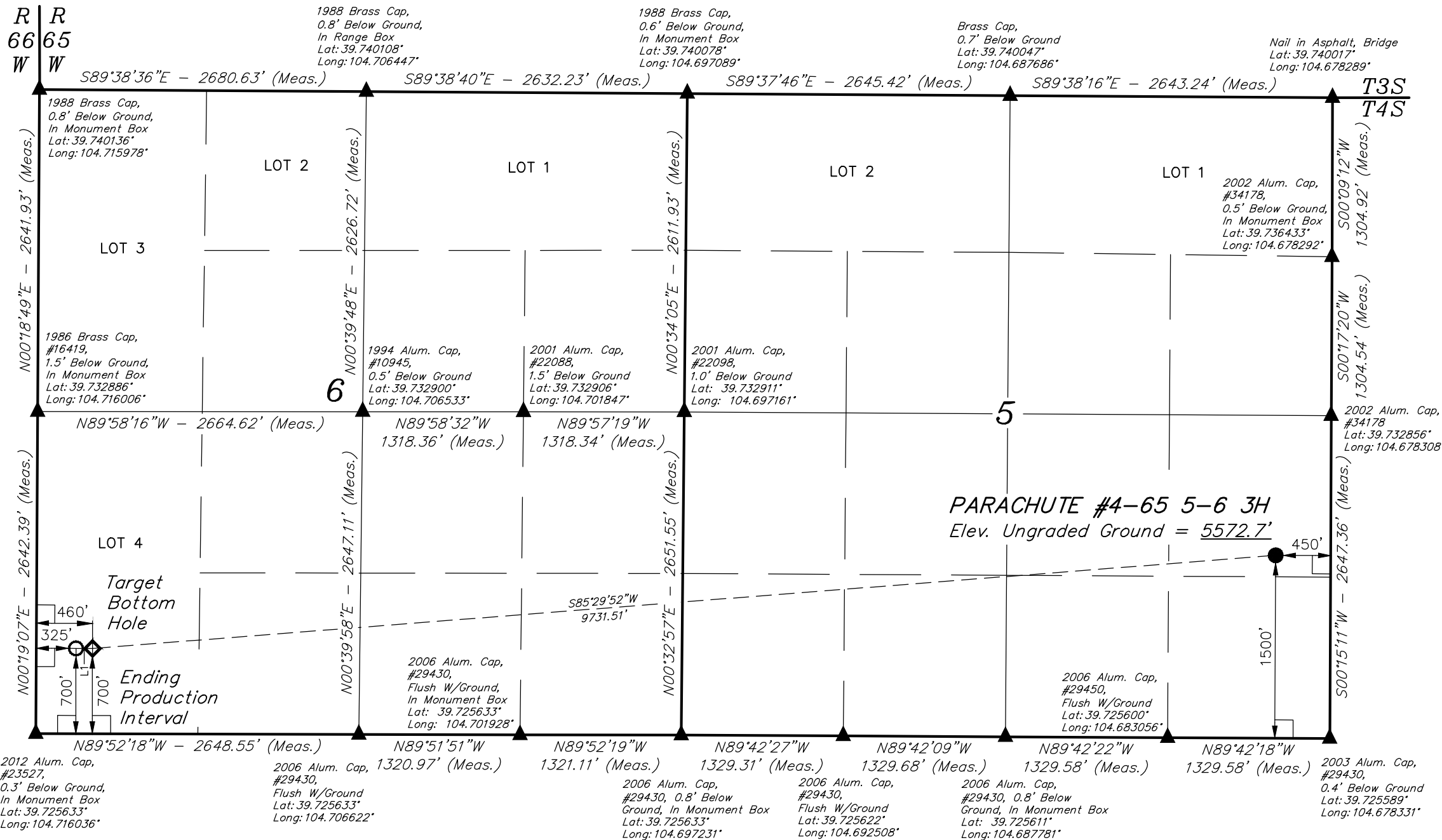
LOCATION PHOTOS	PHOTO 3
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T4S, R65W, 6th P.M.

ConocoPhillips Company
 PARACHUTE #4-65 5-6 3H
 NE 1/4 SE 1/4, SECTION 5, T4S, R65W, 6th P.M.
 ARAPAHOE COUNTY, COLORADO

BASIS OF BEARINGS
 BASIS OF BEARINGS IS A G.P.S. OBSERVATION
 BASIS OF ELEVATION

BENCHMARK 374 LOCATED ON THE SECTION LINE BETWEEN SECTIONS 12 & 13, T5S, R64W, 6th. P.M., TAKEN FROM 1988 PUBLISHED DATUM BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY AS BEING 6054.61 FEET.



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N89°52'18"W	135.00'

- LEGEND:
- = 90° SYMBOL
 - = PROPOSED WELLHEAD.
 - = TARGET BOTTOM HOLE.
 - ▲ = SECTION CORNERS LOCATED.
 - ◇ = PRODUCTION INTERVAL.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (ENDING PRODUCTION INTERVAL)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°43'39.20" (39.727556)	LATITUDE = 39°43'39.20" (39.727556)	LATITUDE = 39°43'46.95" (39.729708)
LONGITUDE = 104°42'53.54" (104.714872)	LONGITUDE = 104°42'51.81" (104.714392)	LONGITUDE = 104°40'47.70" (104.679917)
LATITUDE = 39°43'39.24" (39.727567)	LATITUDE = 39°43'39.24" (39.727567)	LATITUDE = 39°43'47.00" (39.729722)
LONGITUDE = 104°42'51.65" (104.714347)	LONGITUDE = 104°42'49.92" (104.713867)	LONGITUDE = 104°40'45.81" (104.679392)
STATE PLANE NAD 83	STATE PLANE NAD 83	STATE PLANE NAD 83
N: 1690845.59 E: 3220831.69	N: 1690846.77 E: 3220966.65	N: 1691717.21 E: 3230656.33
STATE PLANE NAD 27	STATE PLANE NAD 27	STATE PLANE NAD 27
N: 690837.59 E: 2220985.39	N: 690838.78 E: 2221120.35	N: 691709.35 E: 2230809.93

PDOP = 1.5

CERTIFICATE
 THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REGISTERED LAND SURVEYOR
 REGISTRATION NO. 28285
 STATE OF COLORADO 08-08-14

UINTAH
 ENGINEERING & LAND SURVEYING

UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017

SURVEYED BY: DALLAS NIELSEN, L.P. DATE: 05-23-14
 DRAWN BY: J.S. DATE DRAWN: 06-03-14
 SCALE: 1" = 1000' REVISED: 08-08-14 K.B.

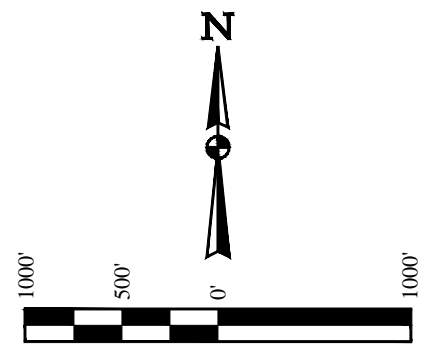
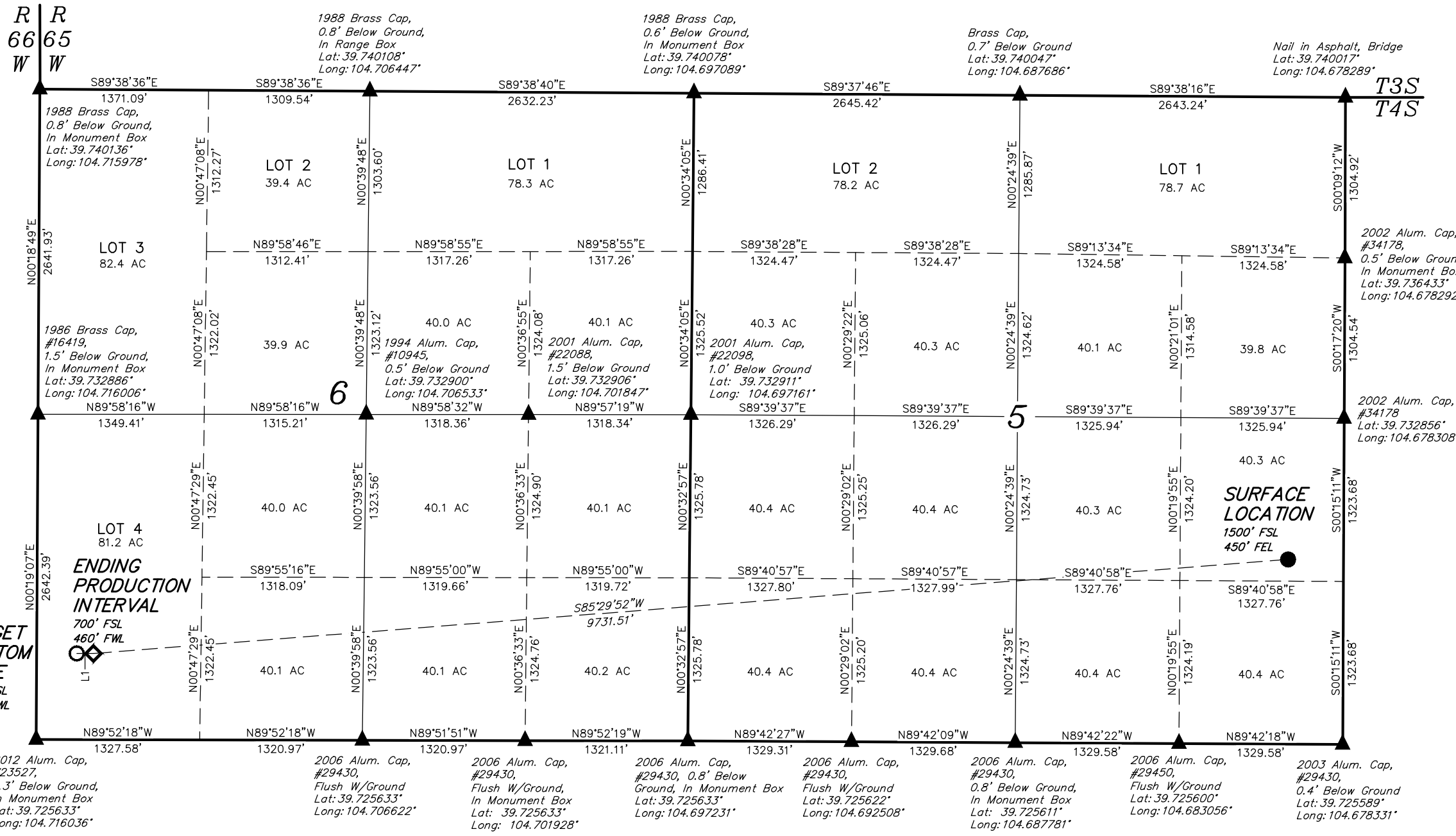
WELL LOCATION PLAT

T4S, R65W, 6th P.M.

ConocoPhillips Company
PARACHUTE #4-65 5-6 3H
NE 1/4 SE 1/4, SECTION 5, T4S, R65W, 6th P.M.
ARAPAHOE COUNTY, COLORADO

BASIS OF BEARINGS
 BASIS OF BEARINGS IS A G.P.S. OBSERVATION
BASIS OF ELEVATION

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LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N89°52'18"W	135.00'

TARGET BOTTOM HOLE
 700' FSL
 325' FWL

ENDING PRODUCTION INTERVAL
 700' FSL
 460' FWL

SURFACE LOCATION
 1500' FSL
 450' FEL

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



PDOP = 1.5

- LEGEND:**
- └─┘ = 90° SYMBOL
 - = PROPOSED WELLHEAD.
 - = TARGET BOTTOM HOLE.
 - ▲ = SECTION CORNERS LOCATED.
 - ◇ = PRODUCTION INTERVAL.

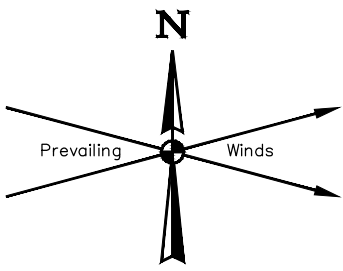
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LONGITUDE = 104°42'53.54" (104.714872)	LONGITUDE = 104°42'51.81" (104.714392)	LONGITUDE = 104°40'47.70" (104.679917)
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STATE PLANE NAD 83	STATE PLANE NAD 83	STATE PLANE NAD 83
N: 1690845.59 E: 3220831.69	N: 1690846.77 E: 3220966.65	N: 1691717.21 E: 3230656.33
STATE PLANE NAD 27	STATE PLANE NAD 27	STATE PLANE NAD 27
N: 690837.59 E: 2220985.39	N: 690838.78 E: 2221120.35	N: 691709.35 E: 2230809.93

UINTAH
 ENGINEERING & LAND SURVEYING

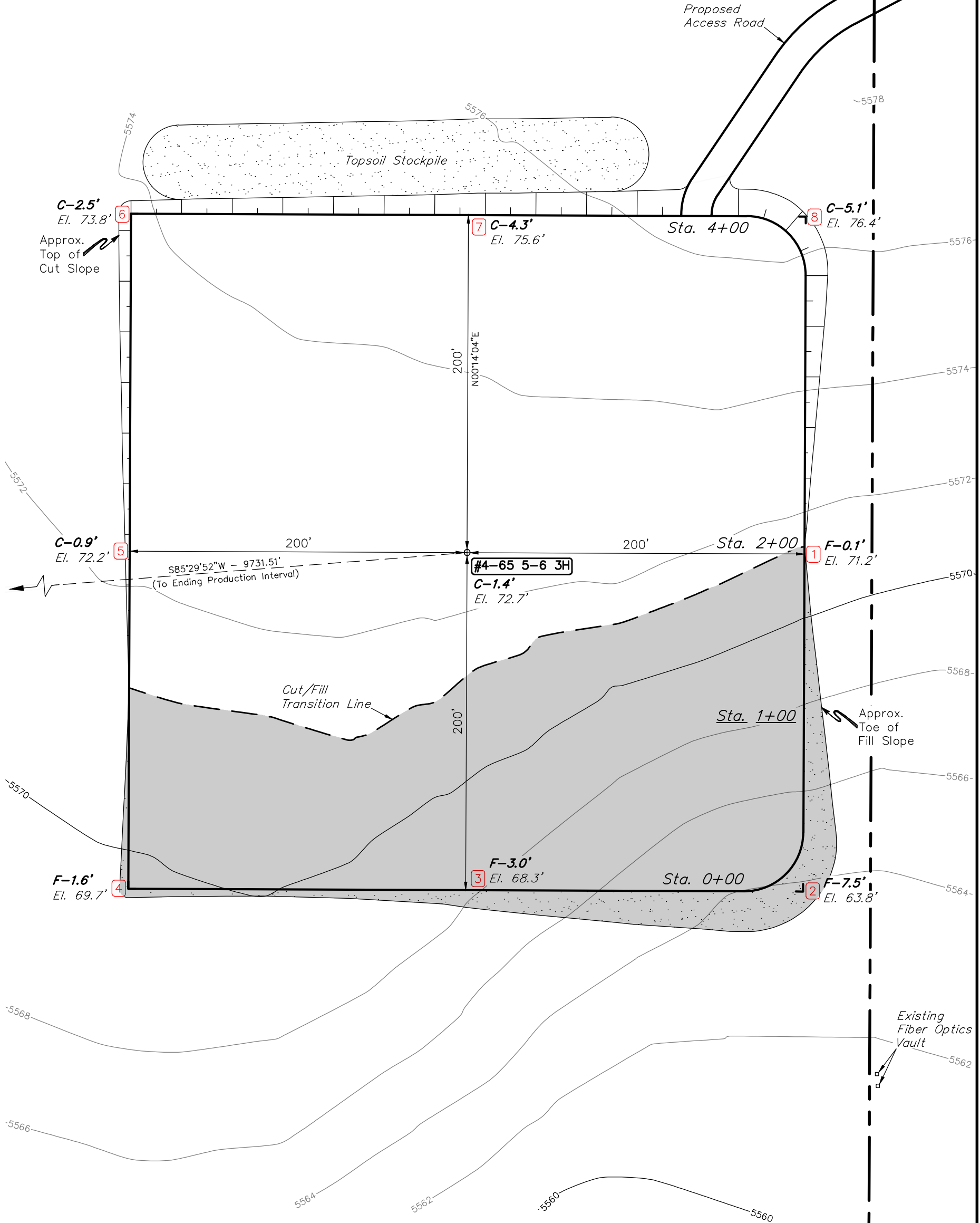
UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017

SURVEYED BY: DALLAS NIELSEN, L.P. DATE: 05-23-14
 DRAWN BY: J.S. DATE DRAWN: 06-03-14
 SCALE: 1" = 1000' REVISED: 08-08-14 K.B.

SECTION BREAKDOWN



Existing Public Service Co. of Colorado Property Line



FINISHED GRADE ELEVATION = 5571.3'

- NOTES:**
- Round corners at 35' radius or as needed.
 - Contours shown at 2' intervals.

ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL**

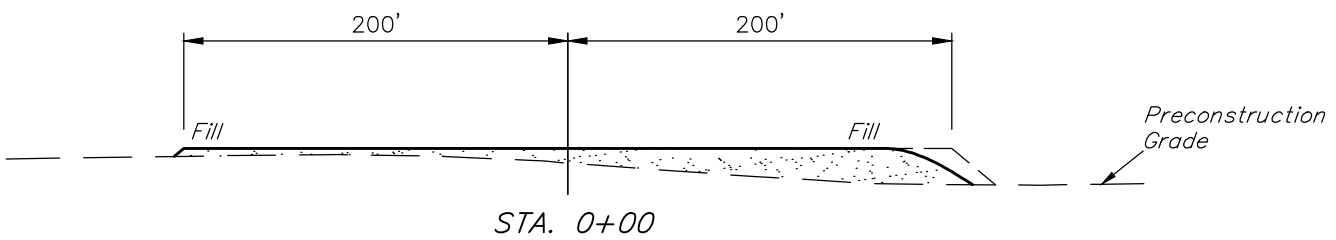
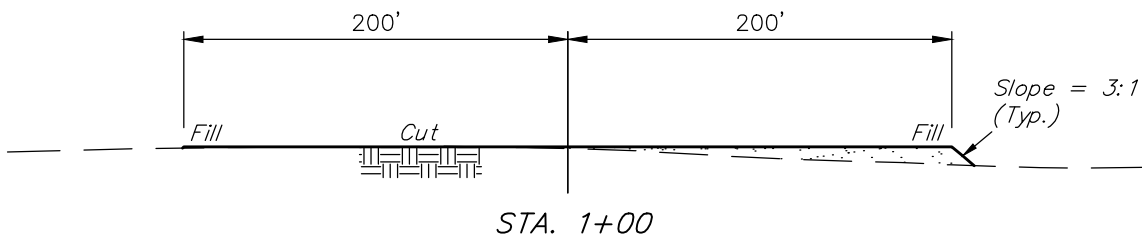
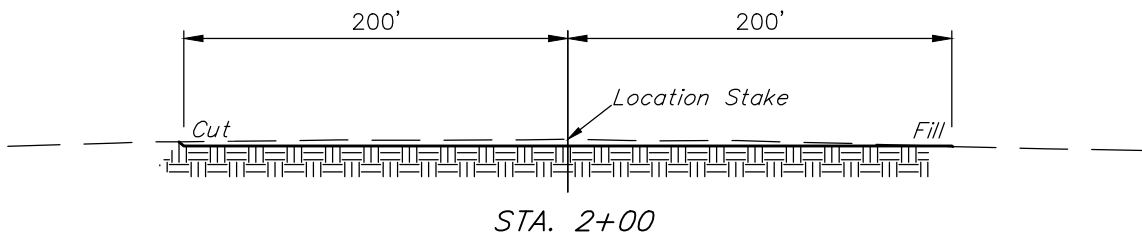
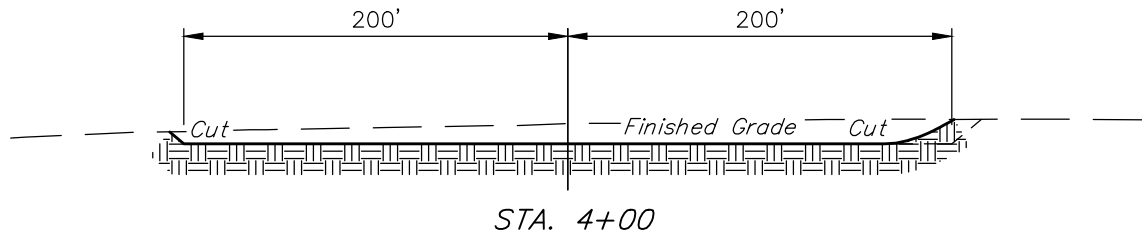


UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DRAWN BY: J.S.	DATE DRAWN: 06-03-14
SCALE: 1" = 60'	REVISED: 08-08-14 K.B.

CONSTRUCTION LAYOUT **FIGURE #1**

1" = 40'
 X-Section Scale
 1" = 100'



APPROXIMATE EARTHWORK QUANTITIES	
(6") TOPSOIL STRIPPING	3,240 Cu. Yds.
REMAINING LOCATION	6,630 Cu. Yds.
TOTAL CUT	9,870 Cu. Yds.
FILL	6,630 Cu. Yds.
EXCESS MATERIAL	3,240 Cu. Yds.
TOPSOIL	3,240 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	0 Cu. Yds.

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±4.307
60' WIDE ACCESS ROAD R-O-W DISTURBANCE	±381.69'	±0.526
TOTAL SURFACE USE AREA	±381.69'	±4.833

- NOTES:**
- Fill quantity includes 10% for compaction.
 - Calculations based on 6" of topsoil stripping.
 - Topsoil should not be stripped below finished grade on substructure area.

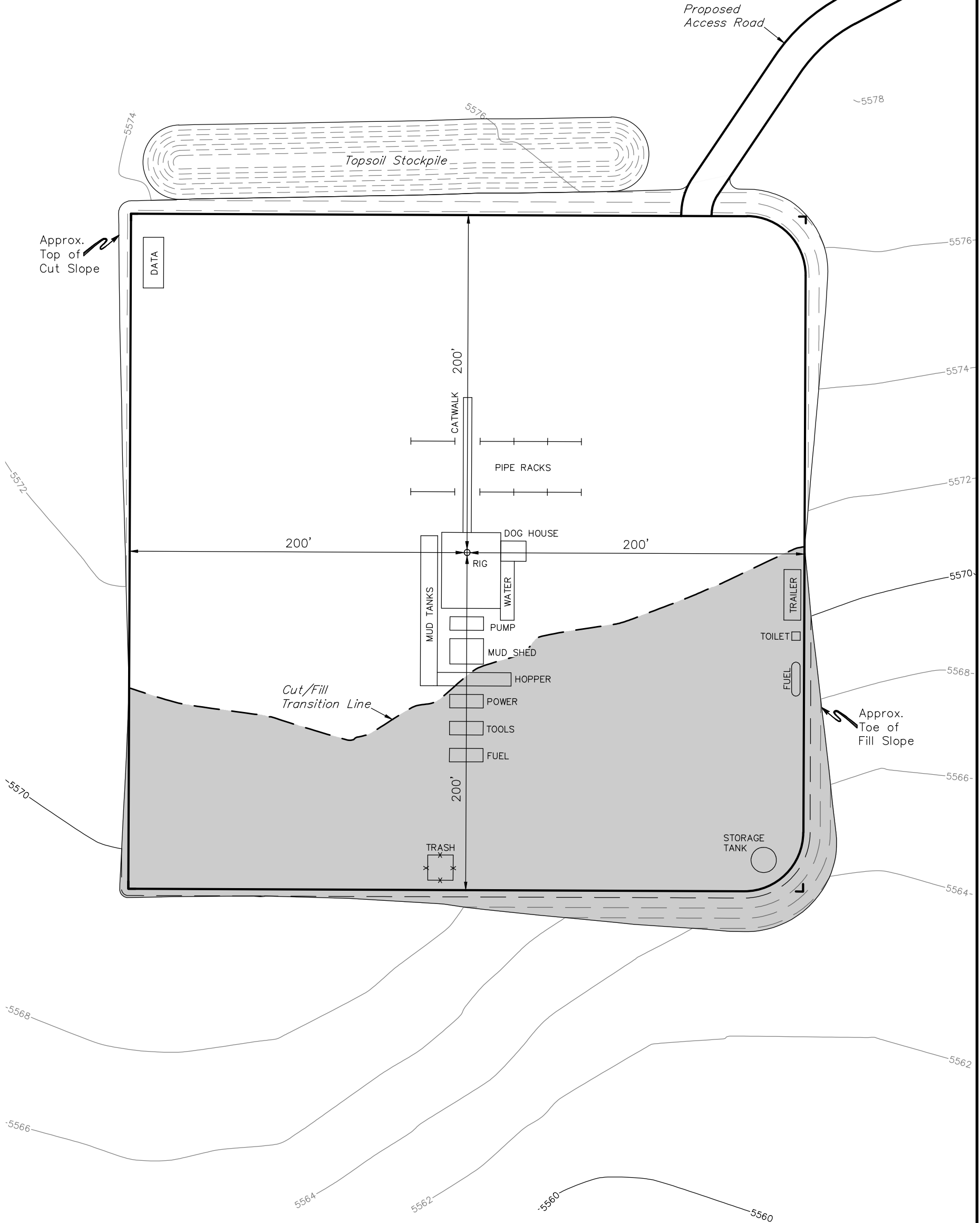
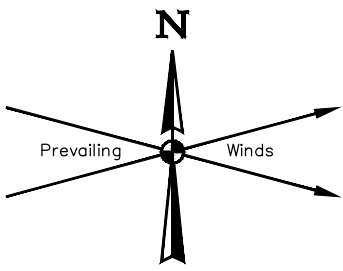
ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H
 SECTION 5, T4S, R65W, 6th P.M.
 1500' FSL 450' FEL**



UELS, LLC
 Corporate Office * 85 South 200 East
 Vernal, UT 84078 * (435) 789-1017

DRAWN BY: J.S.	DATE DRAWN: 06-03-14
SCALE: AS SHOWN	REVISED: 08-08-14 K.B.
CONSTRUCTION LAYOUT CROSS SECTIONS	FIGURE #2



NOTES:
 • Contours shown at 2' intervals.

ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H
 SECTION 5, T4S, R65W, 6th P.M.
 1500' FSL 450' FEL**

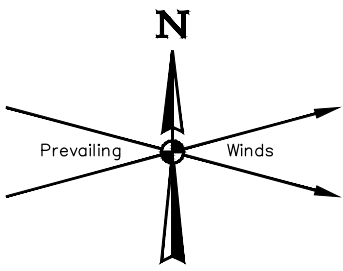


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DRAWN BY: J.S.	DATE DRAWN: 06-03-14
SCALE: 1" = 60'	REVISED: 08-08-14 K.B.

TYPICAL RIG LAYOUT

FIGURE #3



Existing Public Service Co. of Colorado Property Line

Access Road

Approx. Top of Cut Slope

Topsoil Stockpile

WELLHEAD

Cut/Fill Transition Line

Approx. Toe of Fill Slope

Fiber Optics Vault

NOTES:

- Contours shown at 2' intervals.

ConocoPhillips Company

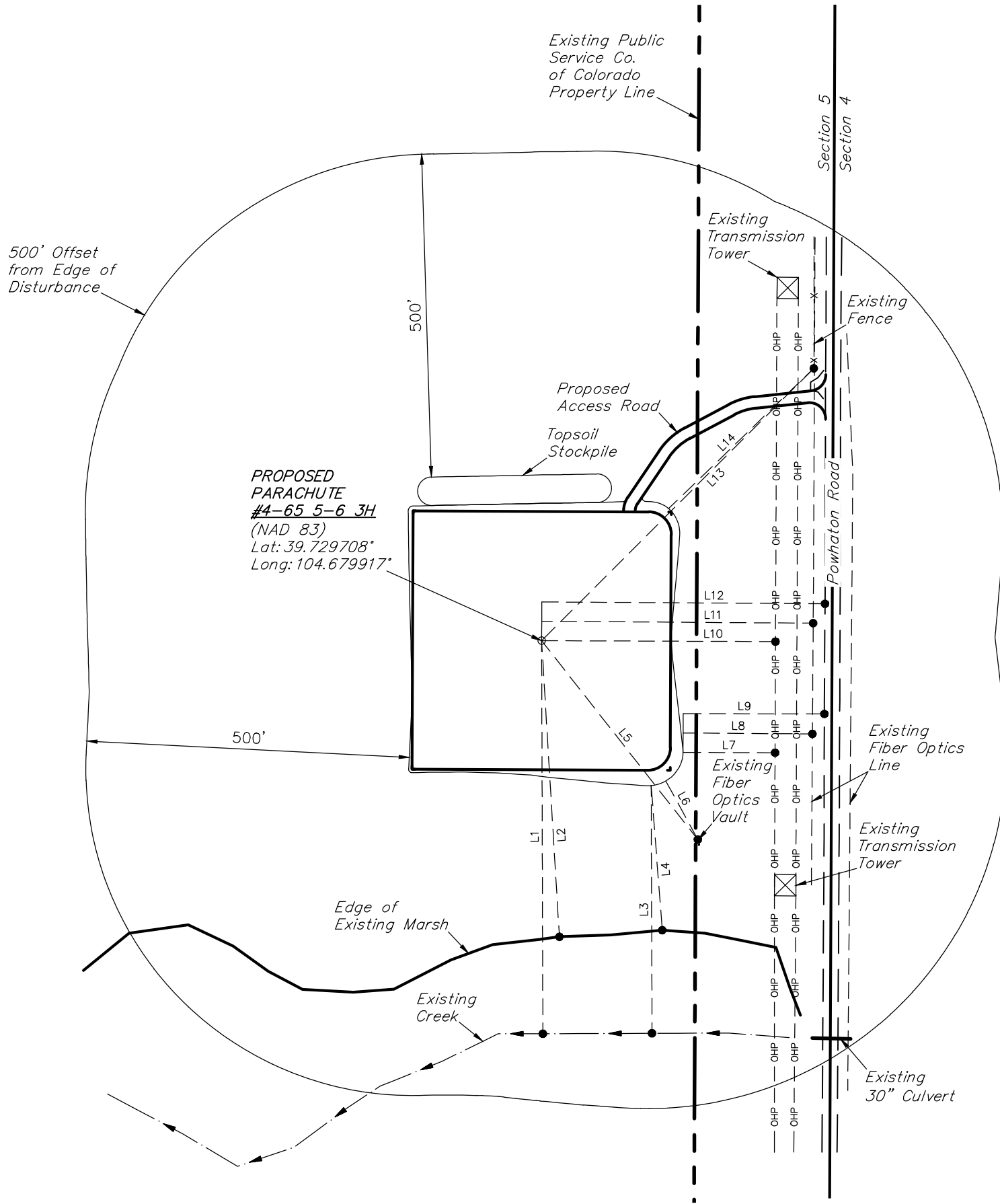
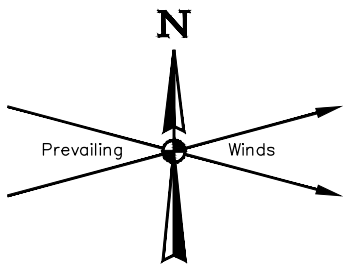
**PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL**



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DRAWN BY: J.S.	DATE DRAWN: 06-03-14
SCALE: 1" = 60'	REVISED: 08-08-14 K.B.

INTERIM RECLAMATION PLAN FIGURE #4



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	SOUTH	609'
L2	S03°E	459'
L3	SOUTH	384'
L4	N04°W	225'
L5	S38°E	392'
L6	S29°E	103'
L7	EAST	143'

LINE TABLE		
LINE	DIRECTION	LENGTH
L8	EAST	200'
L9	EAST	219'
L10	EAST	362'
L11	EAST	420'
L12	EAST	439'
L13	N45°E	596'
L14	N46°E	313'

ConocoPhillips Company

PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL

SURVEYED BY: DALLAS NIELSEN, L.P. SURVEY DATE: 05-23-14

DRAWN BY: J.S. DATE DRAWN: 06-04-14

SCALE: 1" = 200' REVISED: 08-08-14 K.B.

LOCATION DRAWING

FIGURE #5



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ConocoPhillips Company

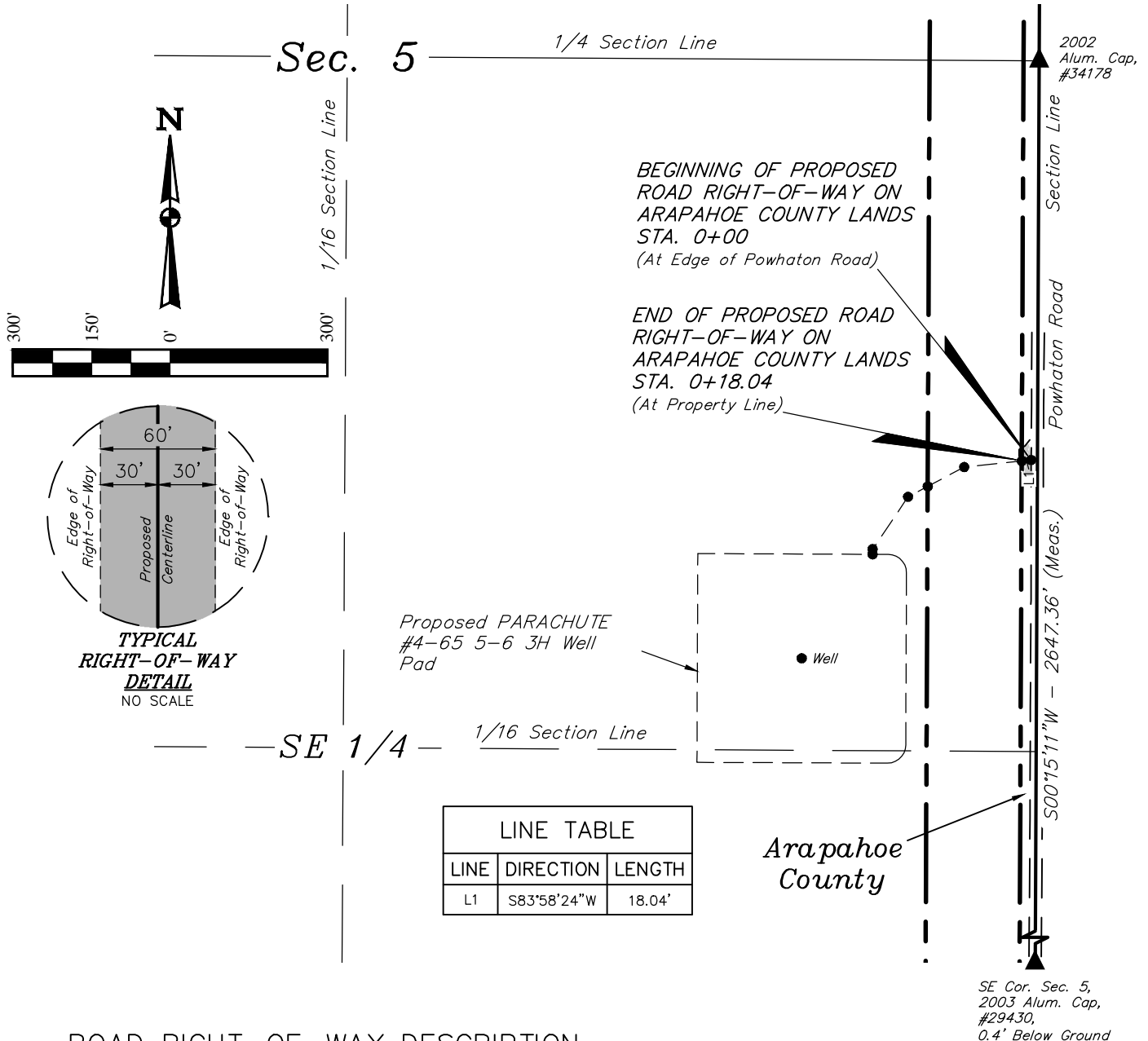
PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.

DATE: 06-03-14

REV: 08-08-14

WELL NAME: PARACHUTE #4-65 5-6 3H		
VISIBLE IMPROVEMENTS FROM PROPOSED WELL		
EXISTING FEATURE	DIRECTION	LENGTH
BUILDING	S40°W	2140'
BUILDING UNIT	S40°W	2140'
HIGH OCCUPANCY BUILDING UNIT	N31°E	3397'
DESIGNATED OUTSIDE ACTIVITY AREA	S37°W	1971'
PUBLIC ROAD	EAST	439'
ABOVE GROUND UTILITY	EAST	362'
RAILROAD	OVER 1 MILE	
PROPERTY LINE	EAST	240'

PRODUCTION AREA		
VISIBLE IMPROVEMENTS FROM PRODUCTION AREA		
EXISTING FEATURE	DIRECTION	LENGTH
BUILDING	S39°W	1859'
BUILDING UNIT	S39°W	1859'
HIGH OCCUPANCY BUILDING UNIT	N30°E	3141'
DESIGNATED OUTSIDE ACTIVITY AREA	S36°W	1691'
PUBLIC ROAD	EAST	239'
ABOVE GROUND UTILITY	EAST	162'
RAILROAD	OVER 1 MILE	
PROPERTY LINE	EAST	40'



ROAD RIGHT-OF-WAY DESCRIPTION

A 60' WIDE RIGHT-OF-WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 SE 1/4 OF SECTION 5, T4S, R65W, 6th P.M., WHICH BEARS S01°09'25"W 765.06' FROM THE EAST 1/4 CORNER OF SAID SECTION 5, THENCE S83°58'24"W 18.04' TO A POINT IN THE NE 1/4 SE 1/4 OF SAID SECTION 5, WHICH BEARS S02°29'36"W 767.52' FROM THE EAST 1/4 CORNER OF SAID SECTION 5. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.025 ACRES MORE OR LESS.

BEGINNING OF ROAD STA. 0+00 BEARS S01°09'25"W 765.06' FROM THE EAST 1/4 CORNER OF SECTION 5, T4S, R65W, 6th P.M.

END OF ROAD STA. 0+18.04 BEARS S02°29'36"W 767.52' FROM THE EAST 1/4 CORNER OF SECTION 5, T4S, R65W, 6th P.M.

BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OSERVATION

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
ARAPAHOE COUNTY	18.04	0.025	1.09

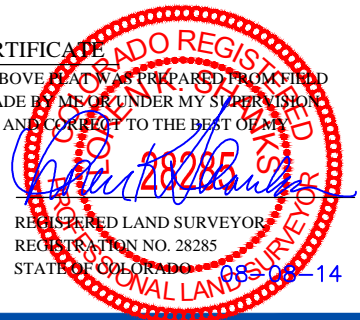
LEGEND:

▲ = SECTION CORNERS LOCATED.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 28285
STATE OF COLORADO



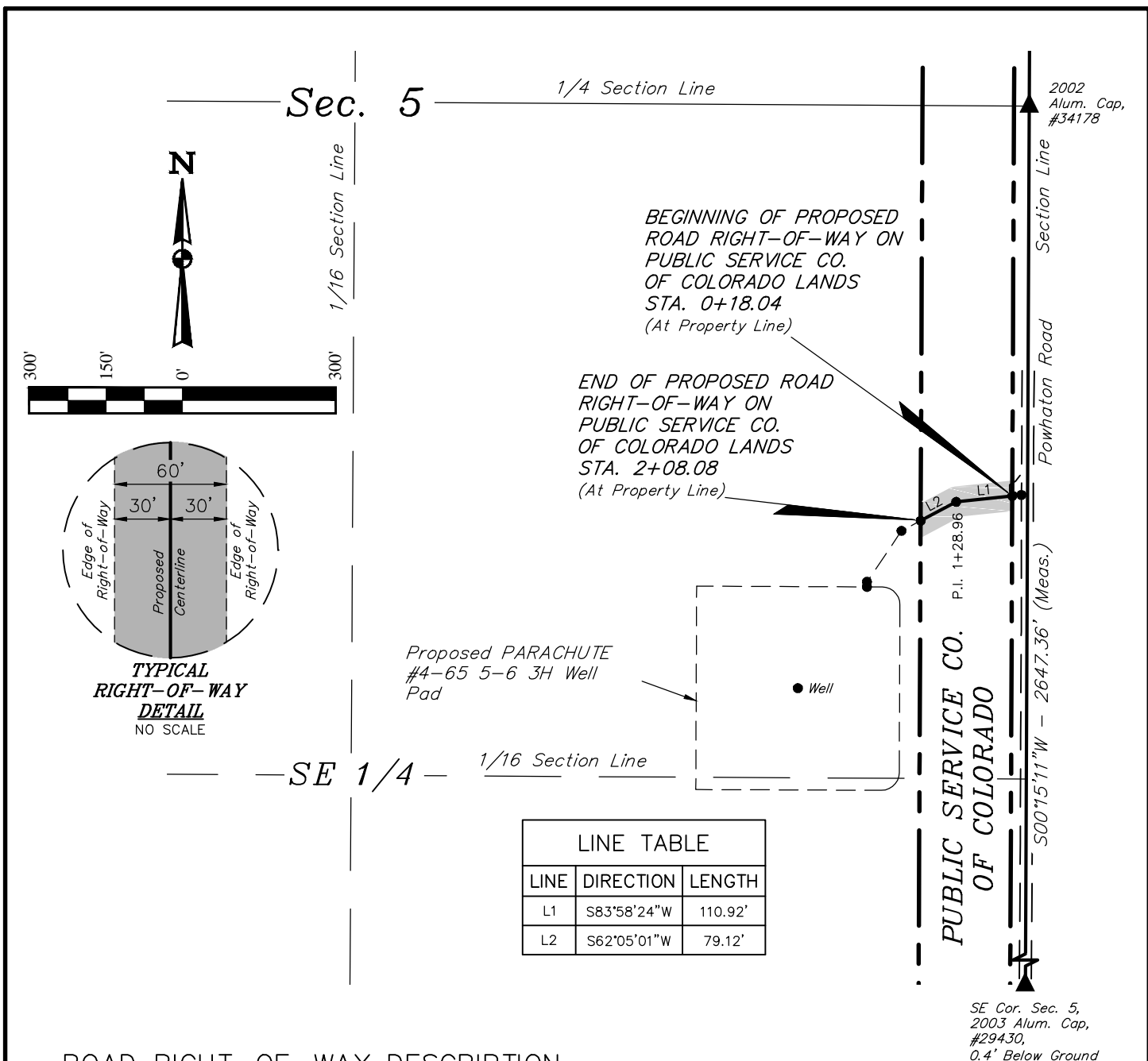
ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H ACCESS ROAD
RIGHT-OF-WAY ON ARAPAHOE COUNTY LANDS
LOCATED IN
SECTION 5, T4S, R65W, 6th P.M.
ARAPAHOE COUNTY, COLORADO**

SURVEYED BY: DALLAS NIELSEN, L.P.		DATE: 05-23-14	
DRAWN BY: J.S.		DATE DRAWN: 06-03-14	
SCALE: 1" = 300'	FILE: 56936	REVISED: 08-08-14 K.B	
ACCESS ROAD R-O-W			



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ROAD RIGHT-OF-WAY DESCRIPTION

A 60' WIDE RIGHT-OF-WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 SE 1/4 OF SECTION 5, T4S, R65W, 6th P.M., WHICH BEARS S02°29'36"W 767.52' FROM THE EAST 1/4 CORNER OF SAID SECTION 5, THENCE S83°58'24"W 110.92'; THENCE S62°05'01"W 79.12' TO A POINT IN THE NE 1/4 SE 1/4 OF SAID SECTION 5, WHICH BEARS S14°40'41"W 842.99' FROM THE EAST 1/4 CORNER OF SAID SECTION 5. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.262 ACRES MORE OR LESS.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OSERVATION

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
PUBLIC SERVICE CO. OF COLORADO	190.04	0.262	11.52

LEGEND:

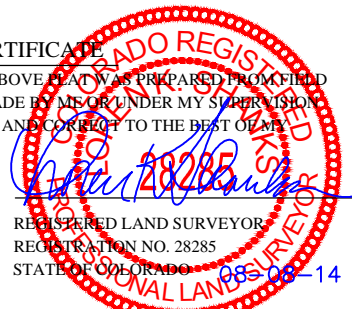
- P.I. = POINT OF INTERSECTION
- ▲ = SECTION CORNERS LOCATED.

BEGINNING OF ROAD STA. 0+18.04 BEARS S02°29'36"W 767.52' FROM THE EAST 1/4 CORNER OF SECTION 5, T4S, R65W, 6th P.M.

END OF ROAD STA. 2+08.08 BEARS S14°40'41"W 842.99' FROM THE EAST 1/4 CORNER OF SECTION 5, T4S, R65W, 6th P.M.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



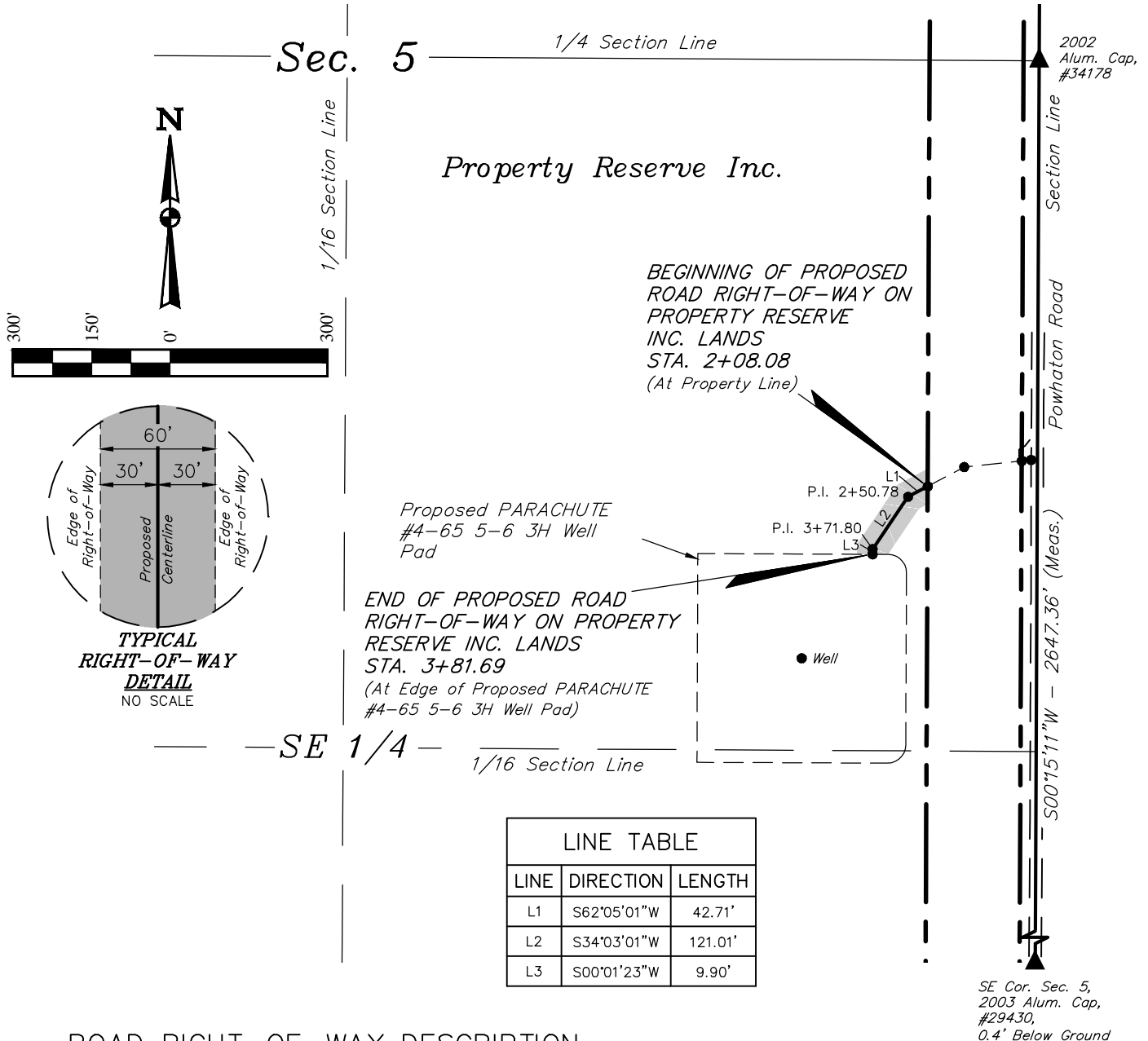
ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H ACCESS ROAD
RIGHT-OF-WAY ON PUBLIC SERVICE CO. OF
COLORADO LANDS
LOCATED IN
SECTION 5, T4S, R65W, 6th P.M.
ARAPAHOE COUNTY, COLORADO**

SURVEYED BY: DALLAS NIELSEN, L.P.	DATE: 05-23-14
DRAWN BY: J.S.	DATE DRAWN: 06-03-14
SCALE: 1" = 300'	FILE: 56937
REVISED: 08-08-14 K.B.	
ACCESS ROAD R-O-W	



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ROAD RIGHT-OF-WAY DESCRIPTION

A 60' WIDE RIGHT-OF-WAY 30' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NE 1/4 SE 1/4 OF SECTION 5, T4S, R65W, 6th P.M., WHICH BEARS S14°40'41"W 842.99' FROM THE EAST 1/4 CORNER OF SAID SECTION 5, THENCE S62°05'01"W 42.71'; THENCE S34°03'01"W 121.01'; THENCE S00°01'23"W 9.90' TO A POINT IN THE NE 1/4 SE 1/4 OF SAID SECTION 5, WHICH BEARS S18°38'49"W 998.03' FROM THE EAST 1/4 CORNER OF SAID SECTION 5. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.239 ACRES MORE OR LESS.

BEGINNING OF ROAD STA. 2+08.08 BEARS S14°40'41"W 842.99' FROM THE EAST 1/4 CORNER OF SECTION 5, T4S, R65W, 6th P.M.

END OF ROAD STA. 3+81.69 BEARS S18°38'49"W 998.03' FROM THE EAST 1/4 CORNER OF SECTION 5, T4S, R65W, 6th P.M.

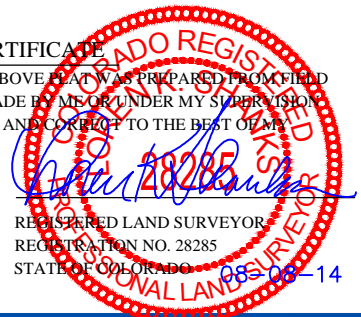
BASIS OF BEARINGS
BASIS OF BEARINGS IS A G.P.S. OSERVATION

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
PROPERTY RESERVE INC.	173.61	0.239	10.52

LEGEND:
P.I. = POINT OF INTERSECTION
▲ = SECTION CORNERS LOCATED.

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAN WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H ACCESS ROAD
RIGHT-OF-WAY ON PROPERTY
RESERVE INC. LANDS
LOCATED IN
SECTION 5, T4S, R65W, 6th P.M.
ARAPAHOE COUNTY, COLORADO**

SURVEYED BY: DALLAS NIELSEN, L.P.	DATE: 05-23-14
DRAWN BY: J.S.	DATE DRAWN: 06-03-14
SCALE: 1" = 300'	FILE: 56938
REVISOR: K.B.	REVISOR: 08-08-14

ACCESS ROAD R-O-W



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PROCEED IN AN EASTERLY DIRECTION FROM THE INTERSECTION OF INTERSTATE 25 & INTERSTATE 70 IN DENVER, COLORADO, PROCEED ALONG INTERSTATE 70 APPROXIMATELY 15.1 MILES TO THE JUNCTION OF THIS ROAD AND EXIT 289 TO THE SOUTHEAST; EXIT RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND I-70 FRONTAGE ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND POWHATON ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 382' TO THE PROPOSED LOCATION;

TOTAL DISTANCE FROM DENVER, COLORADO TO THE PROPOSED LOCATION IS APPROXIMATELY 18.1 MILES.

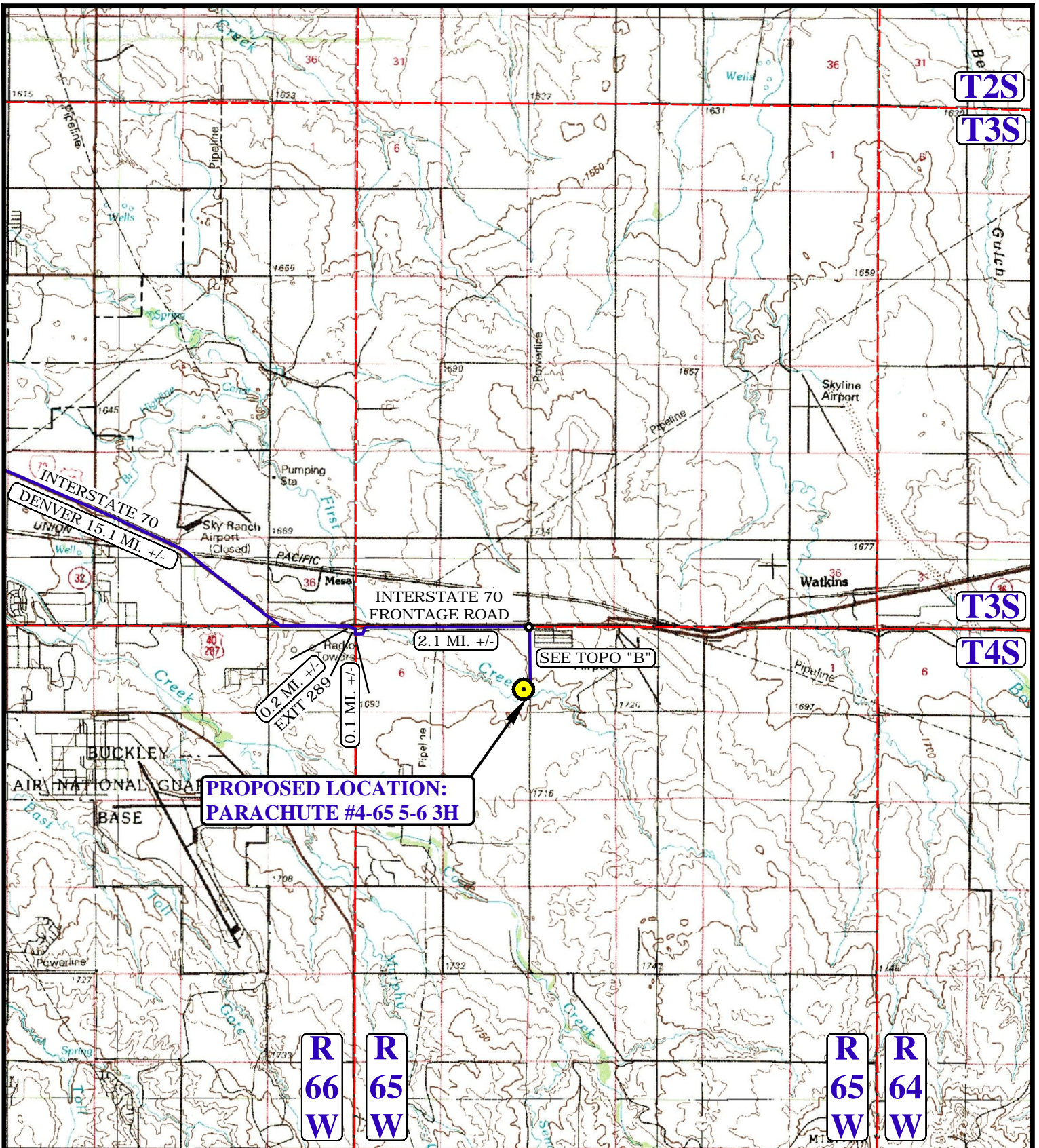
ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL**



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DRAWN BY: T.W.	DATE DRAWN: 06-25-14
	REVISED: 08-08-14 J.L.G.
ROAD DESCRIPTION	



**PROPOSED LOCATION:
PARACHUTE #4-65 5-6 3H**

LEGEND:

 **PROPOSED LOCATION**



ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL**

DRAWN BY: T.W.

DATE DRAWN: 06-25-14

SCALE: 1:100,000

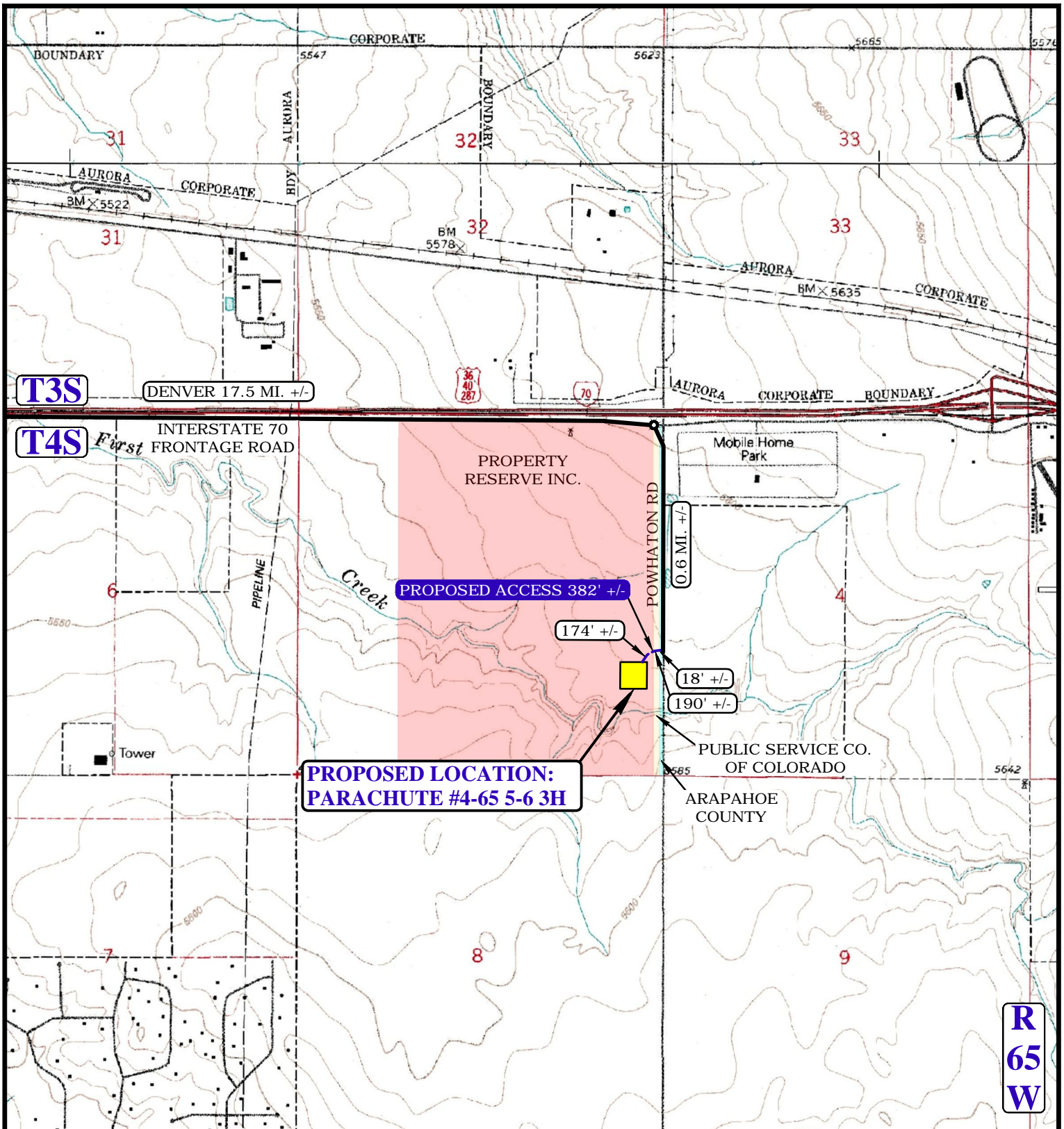
REVISED: 08-08-14 J.L.G.

ACCESS ROAD MAP

TOPO A



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NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

LEGEND:
 ——— EXISTING ROAD
 - - - - - PROPOSED ROAD

ConocoPhillips Company

PARACHUTE #4-65 5-6 3H
 SECTION 5, T4S, R65W, 6th P.M.
 1500' FSL 450' FEL

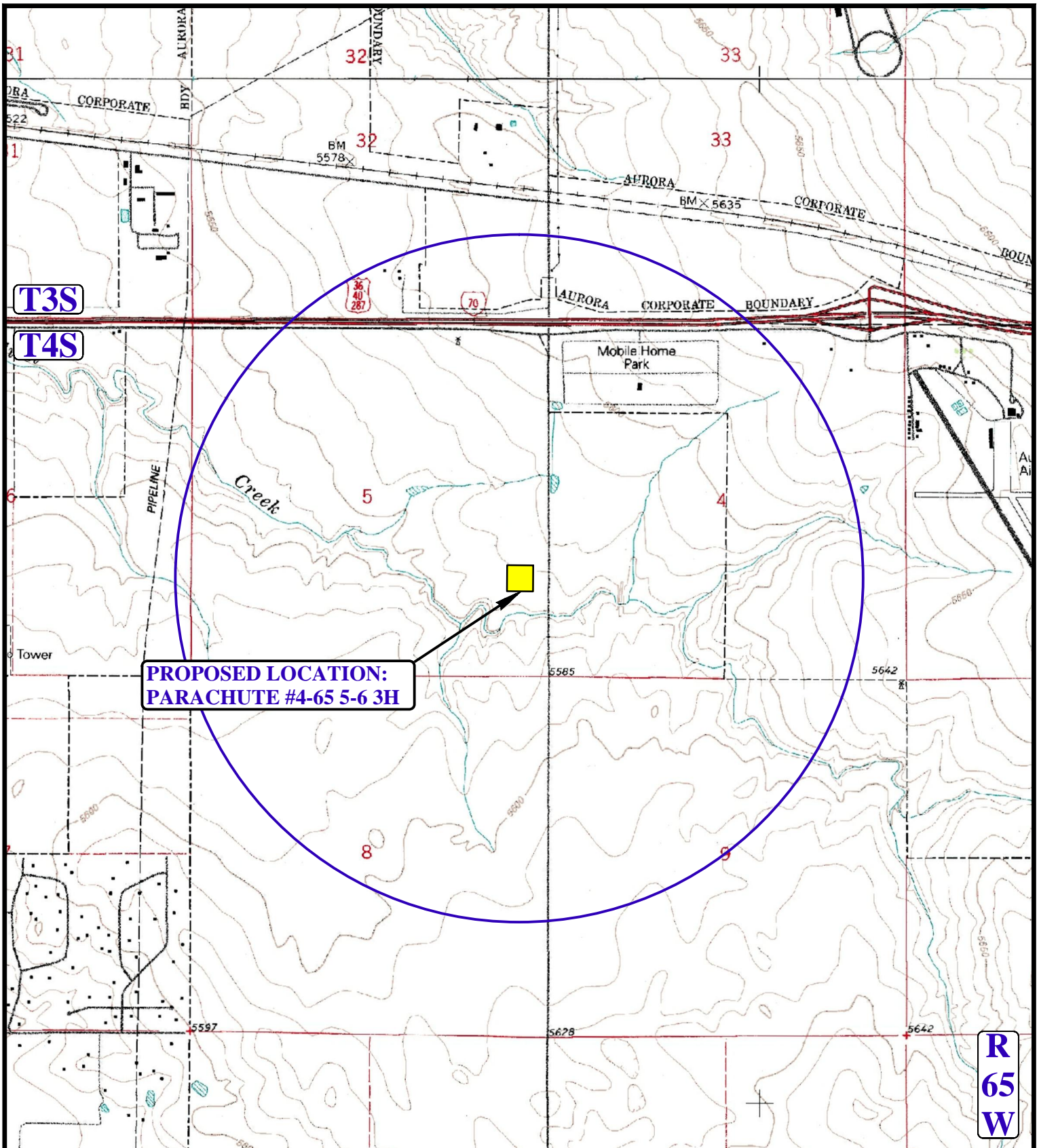


DRAWN BY: T.W.	DATE DRAWN: 06-25-14
SCALE: 1" = 2000'	REVISED: 08-08-14 J.L.G.

ACCESS ROAD MAP | **TOPO B**



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**PROPOSED LOCATION:
PARACHUTE #4-65 5-6 3H**

LEGEND:

- ⊘ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ⊘ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL**



DRAWN BY: T.W.	DATE DRAWN: 06-25-14
SCALE: 1" = 2000'	REVISED: 08-08-14 J.L.G.



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WELL PROXIMITY MAP

TOPO C

T4S

Mobile Home Park

1,000' OFFSET

PROPOSED LOCATION:
PARACHUTE #4-65 5-6 3H

459' +/-

5585

R
65
W

LEGEND:

-  EXISTING WATER
-  1000' OFFSET BOUNDARY

ConocoPhillips Company

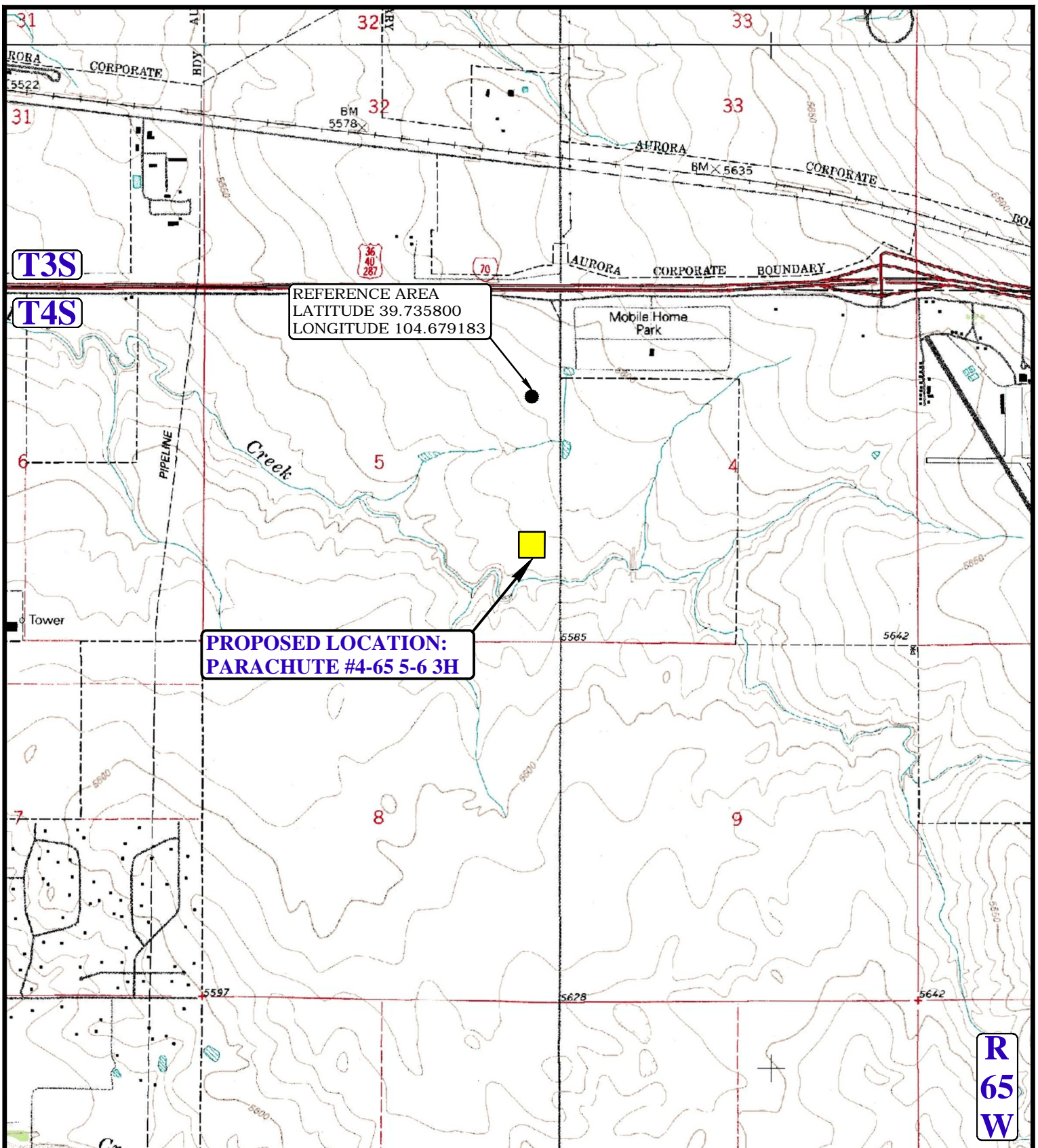
PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL



DRAWN BY: T.W.	DATE DRAWN: 06-25-14
SCALE: 1" = 1000'	REVISED: 08-08-14 J.L.G.
HYDROLOGY MAP	TOPO W



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LEGEND:

ConocoPhillips Company

PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL



DRAWN BY: T.W.

DATE DRAWN: 06-25-14

SCALE: 1" = 2000'

REVISED: 08-08-14 J.L.G.

REFERENCE AREA MAP

REF TOPO



UELS, LLC
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PHOTO: VIEW OF REFERENCE AREA

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW OF REFERENCE AREA

CAMERA ANGLE: EASTERLY

ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL**



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DRAWN BY: T.W.	DATE DRAWN: 06-25-14
TAKEN BY: D.N.	REVISED: 08-08-14 J.L.G.
REFERENCE AREA PHOTOS	REF 1



PHOTO: VIEW OF REFERENCE AREA

CAMERA ANGLE: SOUTHERLY



PHOTO: VIEW OF REFERENCE AREA

CAMERA ANGLE: WESTERLY

ConocoPhillips Company

**PARACHUTE #4-65 5-6 3H
SECTION 5, T4S, R65W, 6th P.M.
1500' FSL 450' FEL**



UELS, LLC
Corporate Office * 85 South 200 East
Vernal, UT 84078 * (435) 789-1017

DRAWN BY: T.W.	DATE DRAWN: 06-25-14
TAKEN BY: D.N.	REVISED: 08-08-14 J.L.G.
REFERENCE AREA PHOTOS	REF 2