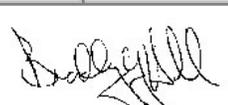


STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Deep Creek 15-22-4-2E					
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> UNDESIGNATED					
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>					
<b>6. NAME OF OPERATOR</b> CRESCENT POINT ENERGY U.S. CORP						<b>7. OPERATOR PHONE</b> 720 880-3621					
<b>8. ADDRESS OF OPERATOR</b> 555 17th Street, Suite 750, Denver, CO, 80202						<b>9. OPERATOR E-MAIL</b> abaldwin@crecidentpointenergy.com					
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> Fee			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>					
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Lee Smith						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 801-322-1235					
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 2400 Sunnyside, Salt Lake City, UT 84108						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>					
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>			
LOCATION AT SURFACE		682 FSL 1958 FEL		SWSE	22	4.0 S	2.0 E	U			
Top of Uppermost Producing Zone		682 FSL 1958 FEL		SWSE	22	4.0 S	2.0 E	U			
At Total Depth		682 FSL 1958 FEL		SWSE	22	4.0 S	2.0 E	U			
<b>21. COUNTY</b> UINTAH			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 682			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40					
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 920			<b>26. PROPOSED DEPTH</b> MD: 7080 TVD: 7080					
<b>27. ELEVATION - GROUND LEVEL</b> 4851			<b>28. BOND NUMBER</b> LPM9080271			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 437478					
<b>Hole, Casing, and Cement Information</b>											
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>	
COND	24	16	0 - 40	65.0	H-40 ST&C	8.3	No Used	0	0.0	0.0	
Surf	12.25	8.625	0 - 1000	24.0	J-55 ST&C	8.3	Class G	641	1.15	15.8	
Prod	7.875	5.5	0 - 7080	17.0	N-80 LT&C	10.0	Light (Hibond)	159	4.31	10.5	
							Class G	490	1.65	13.1	
<b>ATTACHMENTS</b>											
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES											
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN						
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER						
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP						
<b>NAME</b> Emily Kate DeGrasse			<b>TITLE</b> Regulatory & Government Affairs Analyst			<b>PHONE</b> 720 880-3644					
<b>SIGNATURE</b>			<b>DATE</b> 11/07/2013			<b>EMAIL</b> edegrasse@crecidentpointenergy.com					
<b>API NUMBER ASSIGNED</b> 43047541840000			<b>APPROVAL</b>  Permit Manager								

Crescent Point Energy U.S. Corp  
**Deep Creek 15-22-4-2E**  
 SW/SE of Section 22, T4S, R2E, USB&M  
 SHL & BHL: 682' FSL & 1958' FEL  
 Uintah County, Utah

## DRILLING PLAN

### 1-2. Geologic Surface Formation and Estimated Tops of Important Geologic Markers

Formation	Depth – TVD/MD
Uinta	Surface
Upper Green River Marker	3,042'
Mahogany	3,516'
Garden Gulch (TGR3)	4,523'
Douglas Creek	5,289'
Black Shale	5,780'
Castle Peak	6,025'
Uteland	6,330'
Wasatch	6,480'
TD	7,080'

### 3. Estimated Depths of Anticipated Water, Oil, Gas Or Minerals

Green River Formation (Oil)      3,042' – 6,480'  
 Wasatch Formation (Oil)          6,480' – 7,080'

Fresh water may be encountered in the Uinta Formation, but would not be expected below 350'. All usable (>10,000 PPM TDS) water and prospectively valuable minerals (as described by DOGM at onsite) encountered during drilling will be recorded by depth and adequately protected.

All water shows and water bearing geologic units will be reported to the geologic and engineering staff of the DOGM prior to running the next string of casing or before plugging orders are requested. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required. All water shows must be reported within one (1) business day after being encountered. Detected water flows shall be sampled, analyzed, and reported to the geologic and engineering staff at the DOGM. The DOGM may request additional water samples for further analysis.

The following information is requested for water shows and samples where applicable:

Location & Sample Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. Proposed Casing & Cementing Program*Casing Design:*

Size	Interval		Weight	Grade	Coupling	Design Factors			
	Top	Bottom				Burst	Collapse	Tension	
<b>Conductor 16" Hole Size 24"</b>	0'	40'	65	H-40	STC	1,640	670	439	API
<b>Surface casing 8-5/8" Hole Size 12-1/4"</b>	0'	1000'	24	J-55	STC	2,950 405 7.27	1,370 696 1.97	244,000 24,000 10.17	API Load SF
<b>Prod casing 5-1/2" Hole Size 7-7/8"</b>	0'	7,080'	17	E-80	LTC	7,740 6,200 1.25	6,290 3,700 1.70	348,000 124,000 2.80	API Load SF

*Assumptions:*

1. Surface casing max anticipated surface pressure (MASP) = Frac gradient – gas gradient
2. Production casing MASP (production mode) = Pore pressure – gas gradient
3. All collapse calculations assume fully evacuated casing w/gas gradient
4. All tension calculations assume air weight

Frac gradient at surface casing shoe = 10.0 ppg  
Pore pressure at surface casing shoe = 8.33 ppg  
Pore pressure at prod casing shoe = 8.33 ppg  
Gas gradient = 0.115 psi/ft

## Minimum Safety Factors:

Burst = 1.000  
Collapse = 1.125  
Tension = 1.800

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of one (1) centralizer per joint on the bottom three joints.

*Cementing Design:*

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
Surface casing	1000' - surface	Class V 2% chlorides	75%	641	15.8	1.15
Prod casing Lead	3290' to Surface	Hifill Class V 3% chlorides	25% in open-hole, 0% in cased hole	159	10.5	4.31
Prod casing Tail	TD to 3290'	Class G 10% chlorides	15%	490	13.1	1.65

\*Actual volume pumped will have excess over gauge hole or caliper log if available

- Compressive strength of tail cement: 500 psi @ 7 hours

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe. WOC time shall be recorded in the Driller's Log. Compressive strength shall be a minimum of 500 psi prior to drilling out.

The DOGM Roosevelt Field Office shall be notified, with sufficient lead time, in order to have a DOGM representative on location while running all casing strings and cementing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals.

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A Tuned spacer will be used to prevent contamination of the lead cement by the drilling mud.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 9, "Sundry Notices and Reports on Wells" shall be filed with the DOGM within 30 days after the work is completed. This report must include the following information:

Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated of the top of the cement behind the casing,

depth of the cementing tools used, casing method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

5. Drilling Fluids Program

The Conductor section (from 0' to 40') will be drilled by Auger and final depth determined by when the black shale is encountered with a minimum depth of 40'.

The surface interval will then be drilled to  $\pm 1000'$  with air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run to the reserve pit. A variance is in request for this operation. The request can be found in Section 12 of this plan.

From  $\pm 1000'$  to TD, a brine water system will be utilized. Clay inhibition and hole stability will be achieved with a polymer (DAP) additive; the reserve pit will be lined to address this additive. This brine water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 9.5 lbs/gal. If it is necessary to control formation fluids or pressure, the system will be weighted with the addition of brine, and if pressure conditions warrant, barite and/or calcium carbonate will be used as a weighting agent. There will be enough weighting agent on location to increase the entire system to 11.0 ppg MW.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior DOGM approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating characteristics of a hazardous waste will not be used in drilling, testing, or completion operations.

Crescent Point Energy will visually monitor pit levels and flow from the well during drilling operations.

6. Minimum Specifications for Pressure Control

A 3,000 psi BOP system or better will be used on this well. All equipment will be installed and tested per Onshore Order No. 2.

The configuration is as follows:

- Float in drillstring
- Inside BOP or safety valve
- Safety valve with same pipe threading
- Rotating Head below rotary table
- Fillup line
- 11" Annular Preventer – rated to 3,000 psi minimum
- 11" bore, 4-1/2" pipe ram – rated to 3,000 psi minimum
- 11" bore, Blind Ram – rated to 3,000 psi minimum
- 11" bore Drilling Spool with 2 side outlets (Choke side at 3" minimum & Kill side at 2" minimum)
  - 2 Kill line valves at 2" minimum – one with a check valve
  - Kill line at 2" minimum

- 2 Choke line valves at 3" minimum
- Choke line at 3" minimum
- 2 adjustable chokes on manifold
- Pressure gauge on choke manifold

#### 7. BOPE Test Criteria

A Function Test of the Ram BOP equipment shall be made every trip and annular preventer every week. All required BOP tests and/or drills shall be recorded in the Driller's Report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to DOGM representatives upon request.

At a minimum, the Annular preventer will be tested to 50% of its rating for ten minutes. All other equipment (Rams, valves, manifold) will be tested at 3,000 psi for 10 minutes with a test plug. If rams are to be changed for any reason post drillout, the rams will be tested to 70% of surface casing internal yield.

At a minimum, the above pressure tests will be performed when such conditions exist:

- BOP's are initially installed
- Whenever a seal subject to pressure test is broken
- Following repairs to the BOPs
- Every 30 days

#### 8. Accumulator

The Accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (HCR), close both rams and annular preventer as well maintain 200 psi above nitrogen precharge of the accumulator without use of accumulator pumps. The fluid reservoir volume will be double the usable volume of the accumulator system. The fluid level will be maintained per manufacturer's specifications.

The BOP system will have two independent power sources to close both rams and annular preventer, while opening HCR. Nitrogen bottles will be one source and electric and/or air powered pumps will be the other.

The accumulator precharge will be conducted every 6 months and maintained to be within the specifications of Onshore Order No. 2

A manual locking device or automatic locking device will be installed on both ram preventers and annular preventer.

Remote controls will be readily accessible to the driller and be capable of closing all preventers. Main controls will be available to allow full functioning of all preventers and HCR.

#### 9. Testing, Logging and Coring Programs

The logging program will consist of a Gamma Ray log from TD to base of surface casing @ +/- 1100'. A cement bond log will be run from PBTD to top of cement. No drill stem testing or coring is planned for this well.

10. Anticipated Abnormal Pressures or Temperature

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous wells drilled to similar depths in this area.

Maximum anticipated bottomhole pressure will be approximately equal to total depth in feet multiplied by a 0.52 psi/ft gradient, and a maximum anticipated surface pressure will be approximately equal to the bottomhole pressure calculated minus the pressure of a partially evacuated hole calculated at a 0.22 psi/foot gradient.

11. Anticipated Starting Date and Duration of Operations

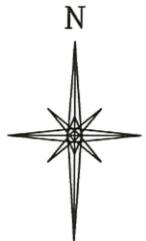
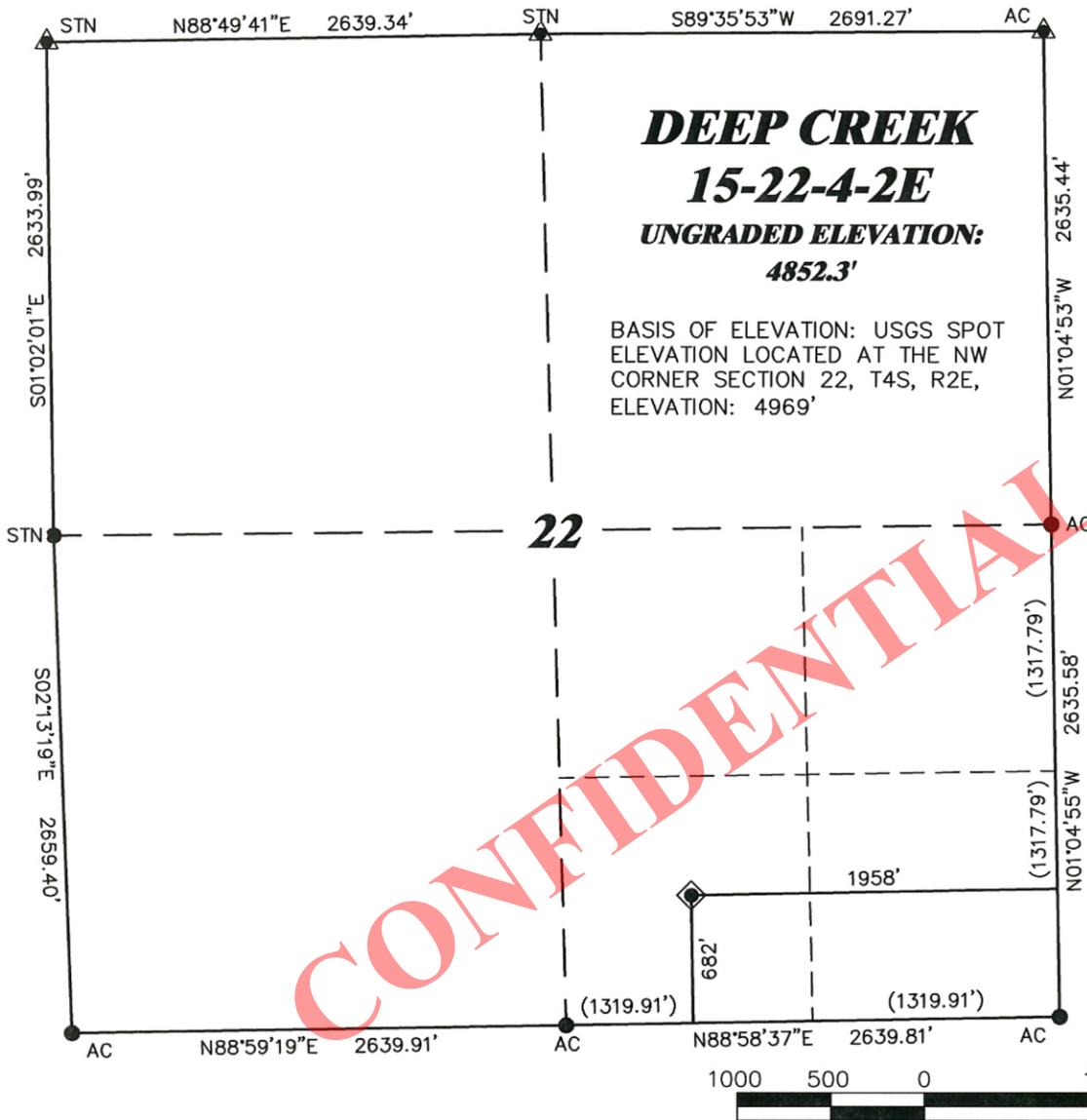
It is anticipated that drilling operations will commence as soon as possible following permit approval and will take approximately seven (7) days from spud to rig release and two weeks for completions.

12. Variations Requested from Onshore Order No. 2

1. A diverter is utilized for surface air drilling, rather than a lubricated rotating head.
2. The blooie line is 45 ft from the wellbore rather than 100 ft and is not anchored down.
3. The blooie line is not equipped with an automatic igniter or continuous pilot light.
4. The compressor is located on the rig itself and not 100 ft from the wellbore.
5. The requirement for an Formation Integrity Test (FIT) or a Leak Off Test (LOT)

CONFIDENTIAL

**R. 2 E.**



SCALE 1" = 1000'  
GRID NORTH

**T. 4 S.**

**SHL**

**LATITUDE (NAD 83)**  
NORTH 40.116741 DEG.  
**LONGITUDE (NAD 83)**  
WEST 109.751524 DEG.

**LATITUDE (NAD 27)**  
NORTH 40.116778 DEG.  
**LONGITUDE (NAD 27)**  
WEST 109.750827 DEG.

**NORTHING**  
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**EASTING**  
2489155.92

**DATUM**  
SPCS UTC (NAD 27)

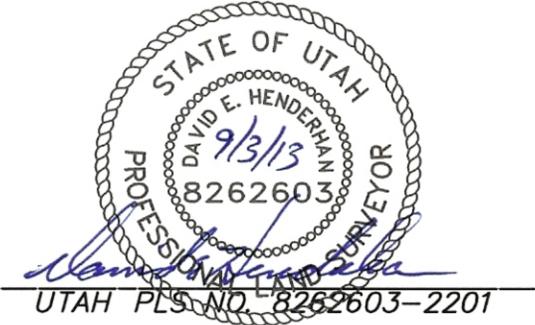
CONFIDENTIAL

**SURVEYOR'S STATEMENT**

I, DAVID E. HENDERHAN, OF GRAND JUNCTION, COLORADO, HEREBY STATE: THIS MAP WAS MADE FROM NOTES TAKEN DURING AN ACTUAL FIELD SURVEY DONE UNDER MY DIRECT SUPERVISION ON THE 25th DAY OF AUGUST, 2013 AND THAT THIS PLAT CORRECTLY SHOWS THE LOCATION OF DEEP CREEK 15-22-4-2E AS STAKED ON THE GROUND.

**LEGEND**

- ◆ WELL LOCATION
- BOTTOM HOLE LOC. (APPROX)
- FOUND MONUMENT
- ▲ PREVIOUSLY FOUND MONUMENT

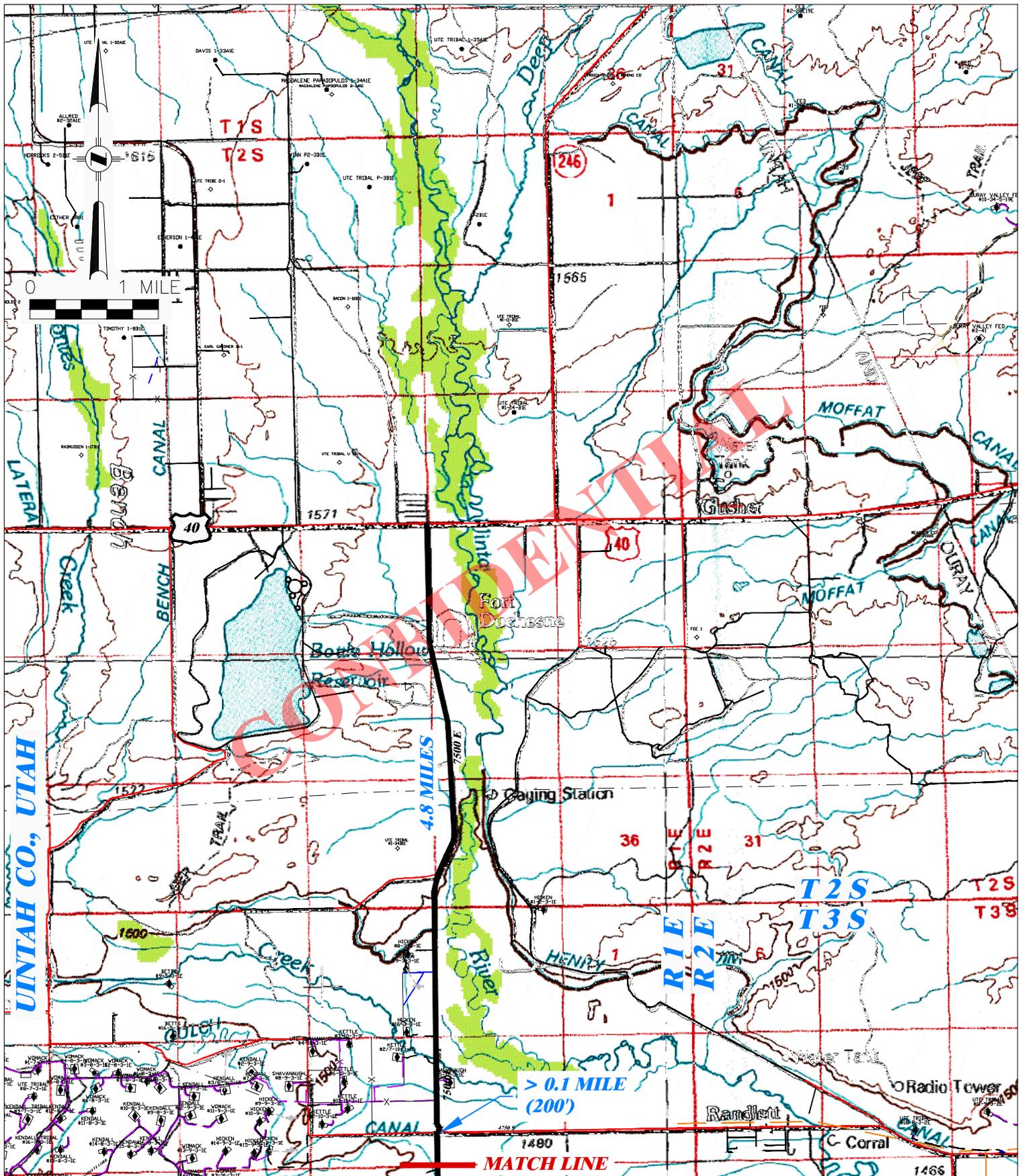


**DRG RIFFIN & ASSOCIATES, INC.**  
(307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 8/30/2013 - RAS	SCALE: 1" = 1000'
REVISED: N/A - .	DRG JOB No. 20038
	EXHIBIT 1

**PLAT OF DRILLING LOCATION IN  
SWSE, SECTION 22, FOR  
CRESCENT POINT ENERGY**

**682' F/SL, & 1958' F/EL, SECTION 22,  
T. 4 S., R. 2 E., U.S.M.,  
UINTAH COUNTY, UTAH**



**DRG** RIFFIN & ASSOCIATES, INC.  
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

**PROPOSED ACCESS FOR  
 CRESCENT POINT ENERGY  
 DEEP CREEK 10,15-22-4-2E  
 SECTION 22, T. 4 S., R. 2 E.**

DRAWN: 8/30/2013 - RAS

SCALE: 1" = 1 MILE

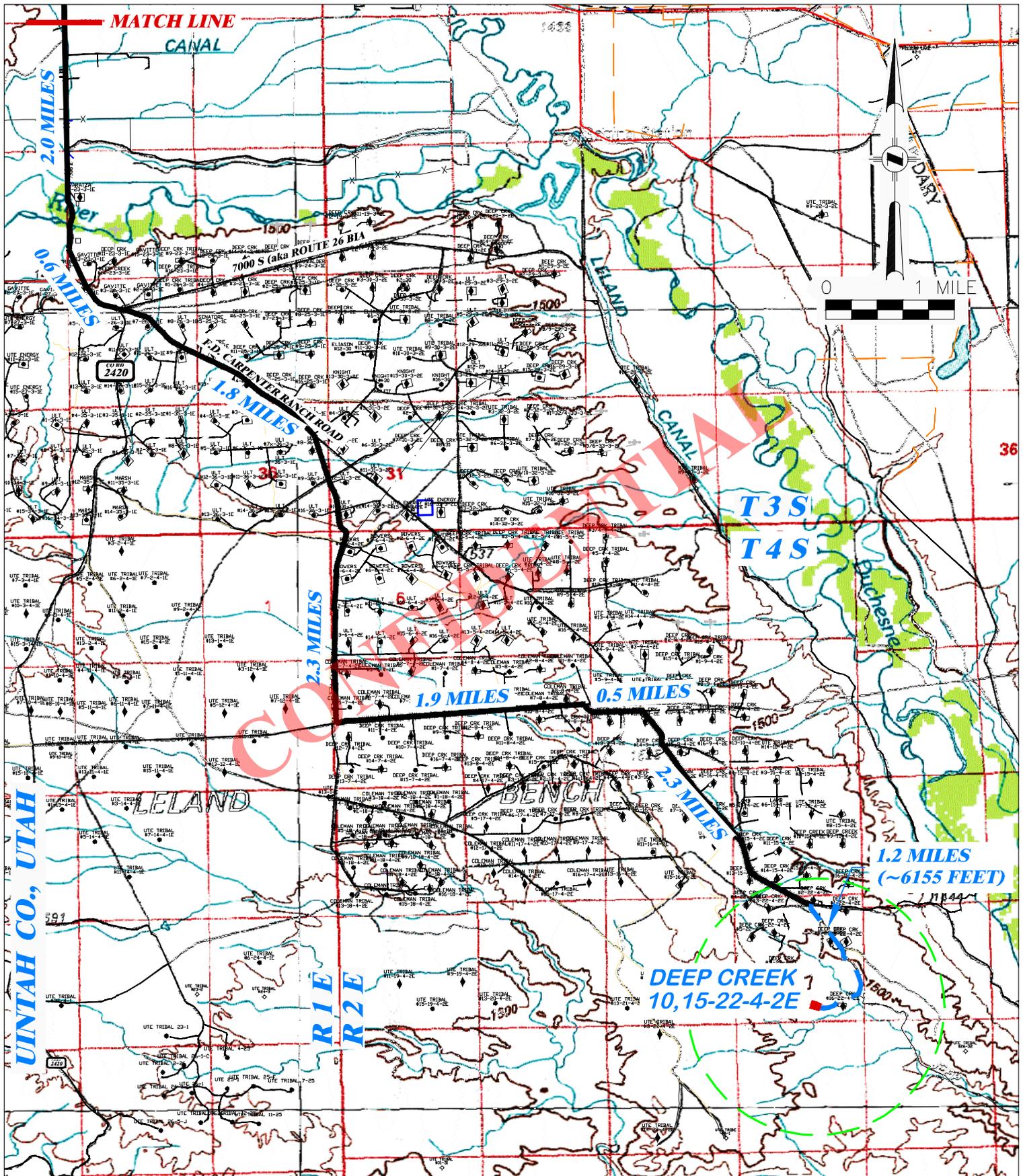
REVISED: N/A -

DRG JOB No. 20038

TOPO A - 1 OF 2

PROPOSED ROAD ———

EXISTING ROAD ———

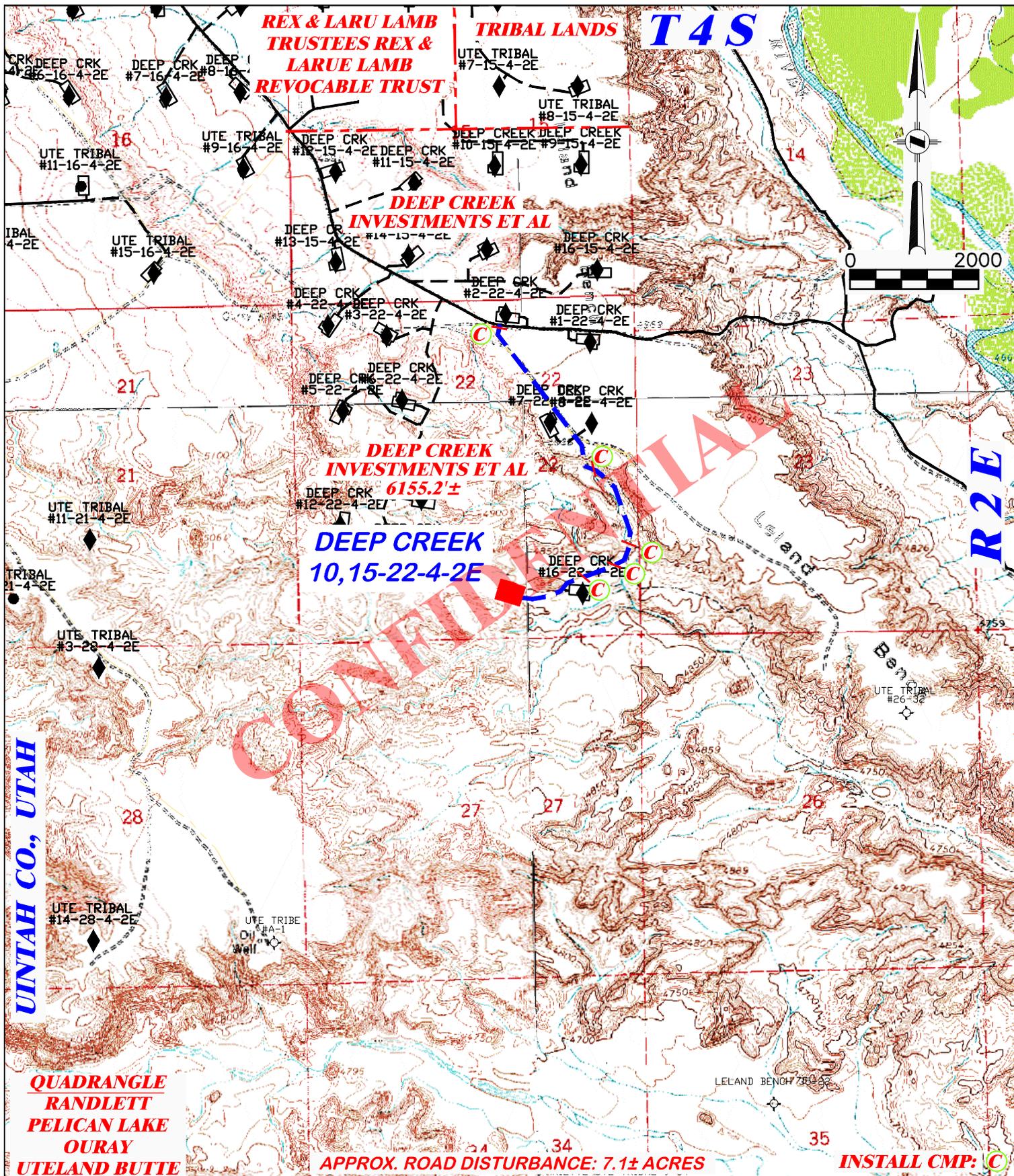


**DRG** RIFFIN & ASSOCIATES, INC.  
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

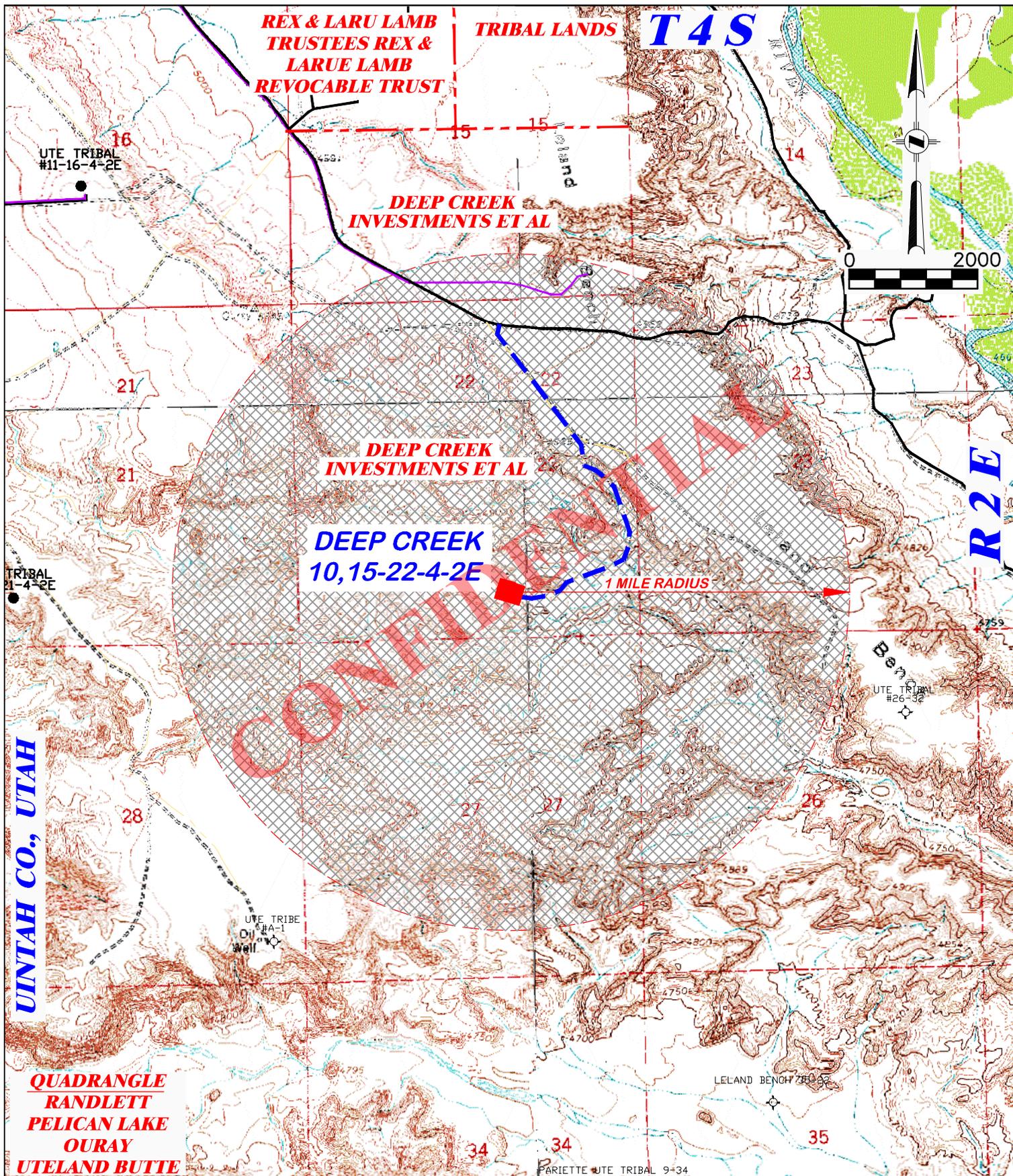
**PROPOSED ACCESS FOR  
 CRESCENT POINT ENERGY  
 DEEP CREEK 10,15-22-4-2E  
 SECTION 22, T. 4 S., R. 2 E.**

DRAWN: 8/30/2013 - RAS	SCALE: 1" = 1 MILE
REVISED: N/A -	DRG JOB No. 20038
	TOPO A - 2 OF 2

PROPOSED ROAD ——— EXISTING ROAD ———



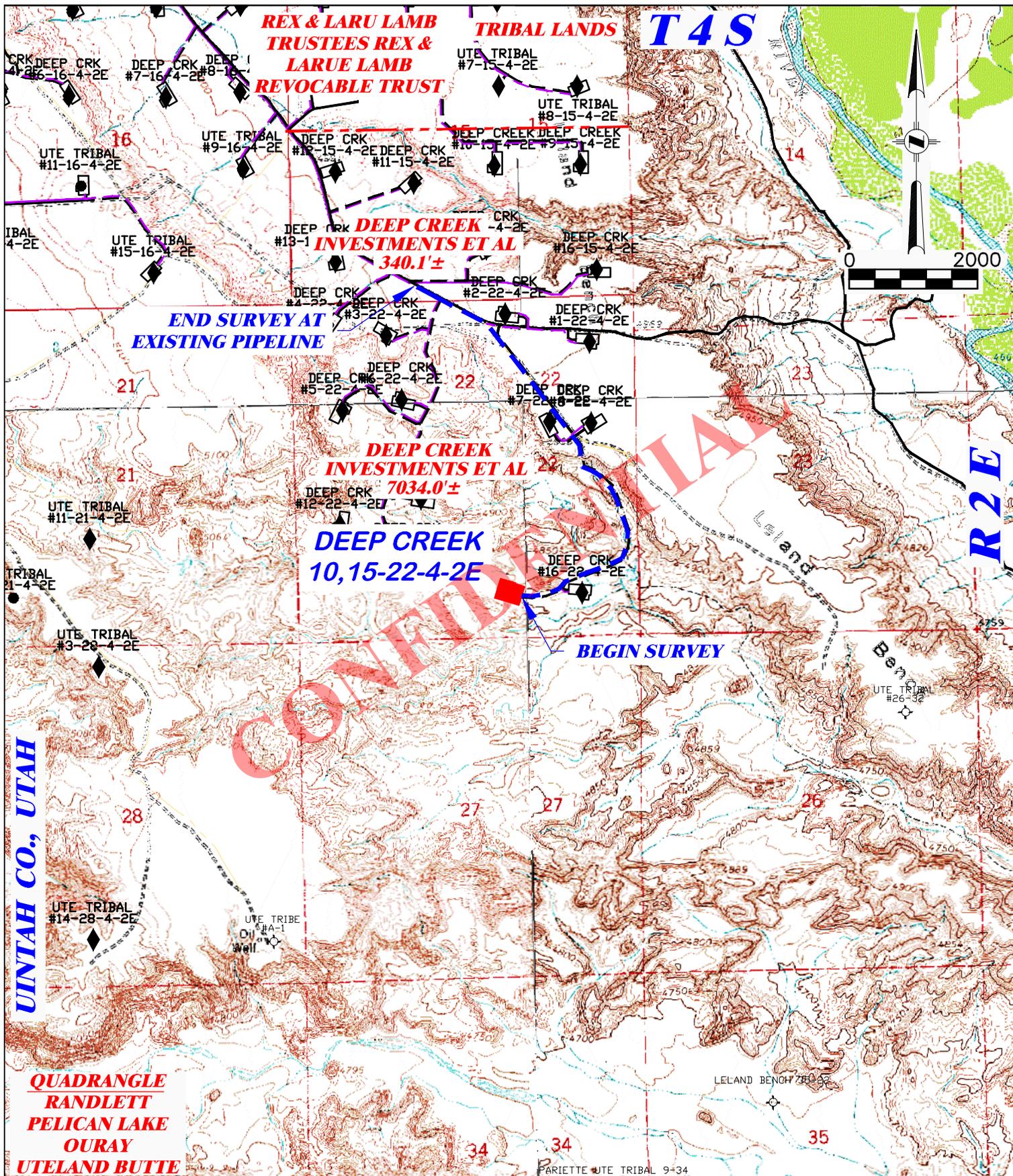
 <b>DRG RIFFIN &amp; ASSOCIATES, INC.</b> (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901		<b>PROPOSED ROAD FOR CRESCENT POINT ENERGY DEEP CREEK 10,15-22-4-2E SECTION 22, T. 4 S., R. 2 E.</b>	
DRAWN: 8/30/2013 - RAS		SCALE: 1" = 2000'	
REVISED: N/A -		DRG JOB No. 20038	
		TOTAL PROPOSED LENGTH: 6155.2±	
		PROPOSED ROAD ————	EXISTING ROAD ————



**DRG** RIFFIN & ASSOCIATES, INC.  
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 8/30/2013 - RAS	SCALE: 1" = 2000'
REVISED: N/A -	DRG JOB No. 20038
	TOPO C

**ONE MILE RADIUS FOR CRESCENT POINT ENERGY DEEP CREEK 10,15-22-4-2E SECTION 22, T.4 S., R.2 E.**



 <b>DRG RIFFIN &amp; ASSOCIATES, INC.</b> (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901		<b>PROPOSED PIPELINE FOR CRESCENT POINT ENERGY</b> <b>DEEP CREEK 10,15-22-4-2E</b> <b>SECTION 22, T. 4 S., R. 2 E.</b>	
DRAWN: 8/30/2013 - RAS		SCALE: 1" = 2000'	
REVISED: N/A -		DRG JOB No. 20038	
		TOTAL PROPOSED LENGTH: 7374.1'±	
		PROPOSED PIPELINE ———	EXISTING ROAD ———

**MEMORANDUM of SURFACE USE AGREEMENT and GRANT OF EASEMENTS**

David Eckelberger is Landman for Ute Energy LLC and Ute Energy Upstream Holdings LLC, authorized to do business in Utah (hereinafter referred to as "Ute Energy"). Ute Energy owns, operates and manages oil and gas interests In Uintah and Duchesne Counties, Utah.

WHEREAS, that certain Surface Use Agreement and Grant of Easements ("Agreement") dated effective June 2<sup>nd</sup>, 2011 has been entered into by and between Deep Creek Investments, whose address is c/o Lee M. Smith, General Partner, 2400 Sunnyside, Salt Lake City, Utah 84108 ("Owner") and Ute Energy, whose address is 1875 Lawrence Street, Suite 200, Denver, CO 80202 ("Operator").

WHEREAS, Owner owns the surface estate of the real property in Uintah County, Utah (the "Property"), legally described as:

**Township 4 South, Range 2 East, USM**

- Section 9: S/2, NE/4
- Section 10: W/2W/2
- Section 15: S/2
- Section 16: N/2
- Section 22: All

Entry 2011004320  
Book 1239 Page 57 \$14.00  
16-JUN-11 09:00  
RANDY SIMMONS  
RECORDER, UINTAH COUNTY, UTAH  
UTE ENERGY  
PO BOX 789 FT DUCHESNE, UT 84026  
Rec By: DEBRA ROOKS , DEPUTY

WHEREAS, for an agreed upon monetary consideration, Operator may construct the necessary well site pads for drilling, completion, re-completion, reworking, re-entry, production, maintenance and operation of wells ("Well Pads") on the Property. Ute Energy, its agents, employees, assigns, contractors and subcontractors, may enter upon and use the Well Pads for the purposes of drilling, completing, producing, maintaining, and operating Wells to produce oil, gas and associated hydrocarbons produced from the Property, including the construction and use of frac pits, tank batteries, water disposal pits, production equipment, compressor sites and other facilities used to produce and market the oil, gas and associated hydrocarbons.

WHEREAS, Operator has the right to a non-exclusive access easement ("Road Easement") on the Property for ingress and egress by Operator and its employees, contractors, sub-contractors, agents, and business invitees as needed to conduct oil and gas operations.

WHEREAS, Operator, its employees, contractors, sub-contractors, agents and business invitees has the right to a non-exclusive pipeline easement to construct, maintain, inspect, operate and repair a pipeline or pipelines, pigging facilities and related appurtenances for the transportation of oil, gas, petroleum products, water and any other substances recovered during oil and gas production.

WHEREAS, this Agreement shall run with the Property and be binding upon and inure to the benefit of the parties and their respective heirs, successors and assigns as stated in this Agreement.

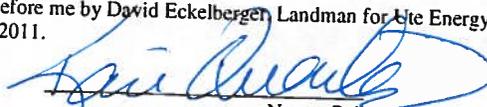
THEREFORE, Operator is granted access to the surface estate and the Agreement constitutes a valid and binding surface use agreement as required under Utah Admin. Code Rule R649-3-34(7).

This Memorandum is executed this 14<sup>th</sup> day of June, 2011

  
\_\_\_\_\_  
David Eckelberger  
Landman

STATE OF COLORADO            )  
  ) ss  
COUNTY OF DENVER            )

The foregoing instrument was acknowledged before me by David Eckelberger, Landman for Ute Energy LLC and Ute Energy Upstream Holdings LLC this 14<sup>th</sup> day of June, 2011.

  
\_\_\_\_\_  
Notary Public

Notary Seal:

My Commission expires:

September 15, 2014  
Date



My Comm. Expires September 15, 2014

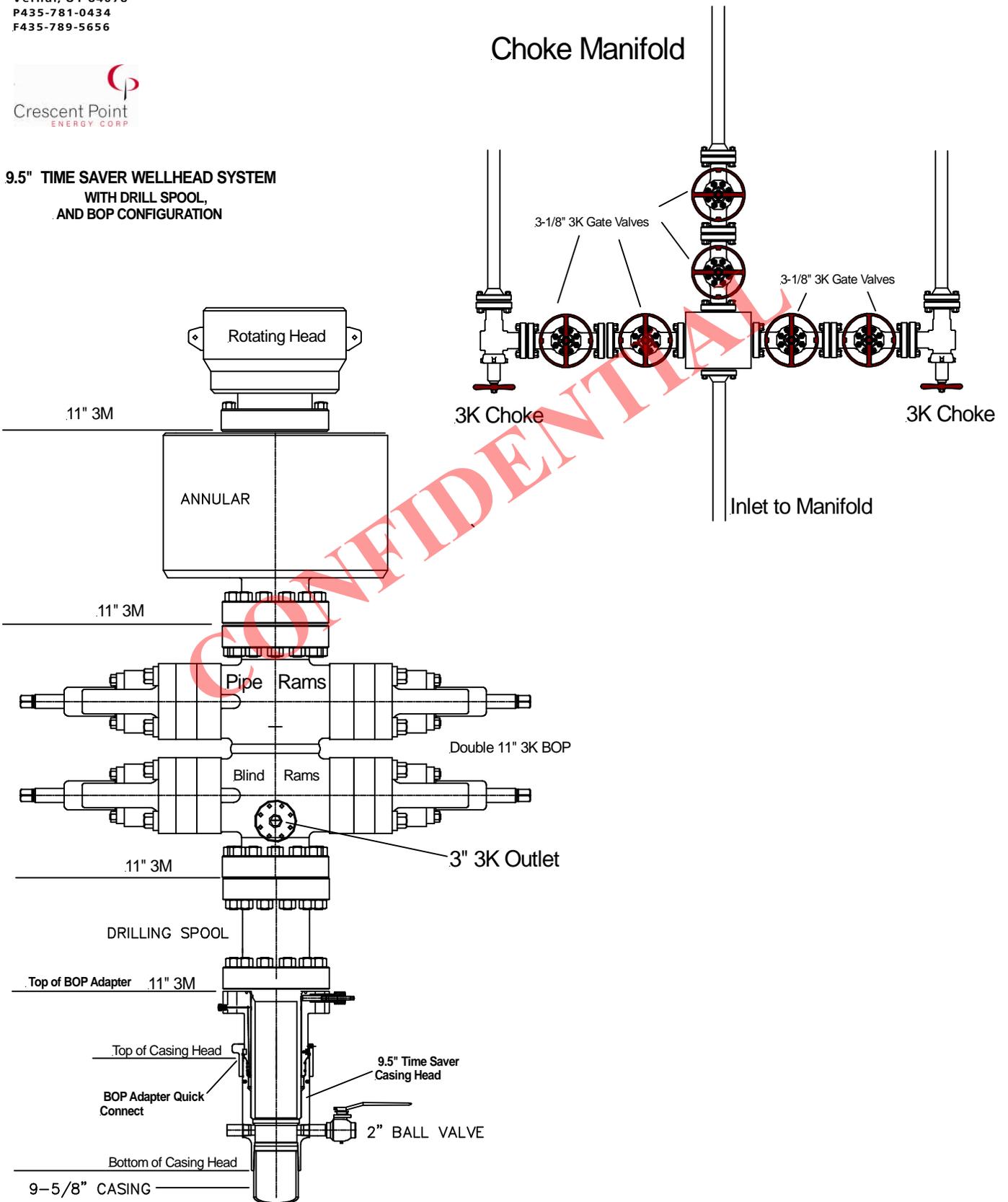


519 E. 300 S.  
Vernal, UT 84078  
P435-781-0434  
F435-789-5656

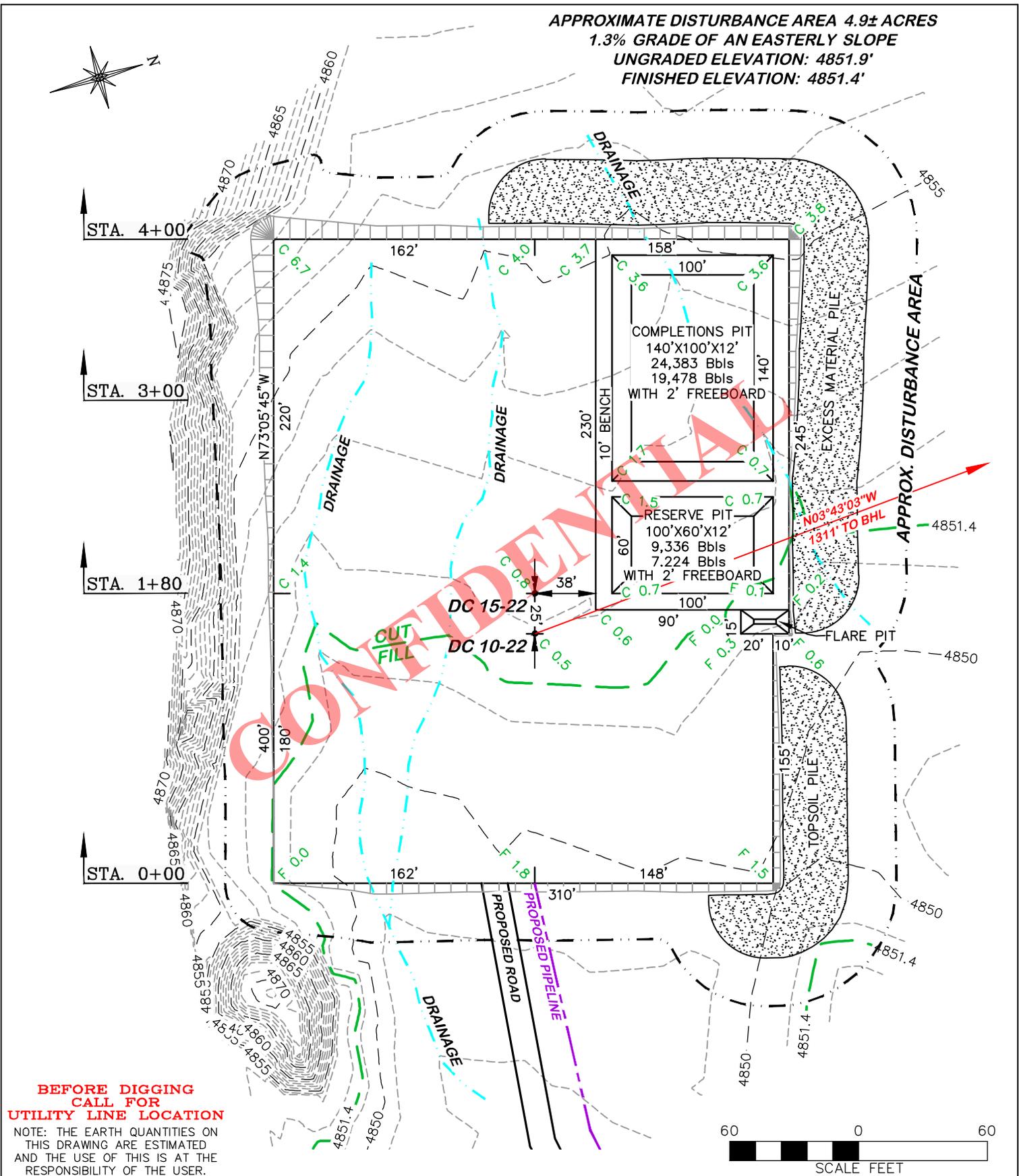
Oct, 18, 2013



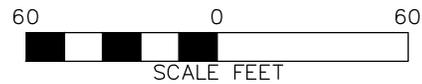
**9.5" TIME SAVER WELLHEAD SYSTEM  
WITH DRILL SPOOL,  
AND BOP CONFIGURATION**



APPROXIMATE DISTURBANCE AREA 4.9± ACRES  
 1.3% GRADE OF AN EASTERLY SLOPE  
 UNGRADED ELEVATION: 4851.9'  
 FINISHED ELEVATION: 4851.4'

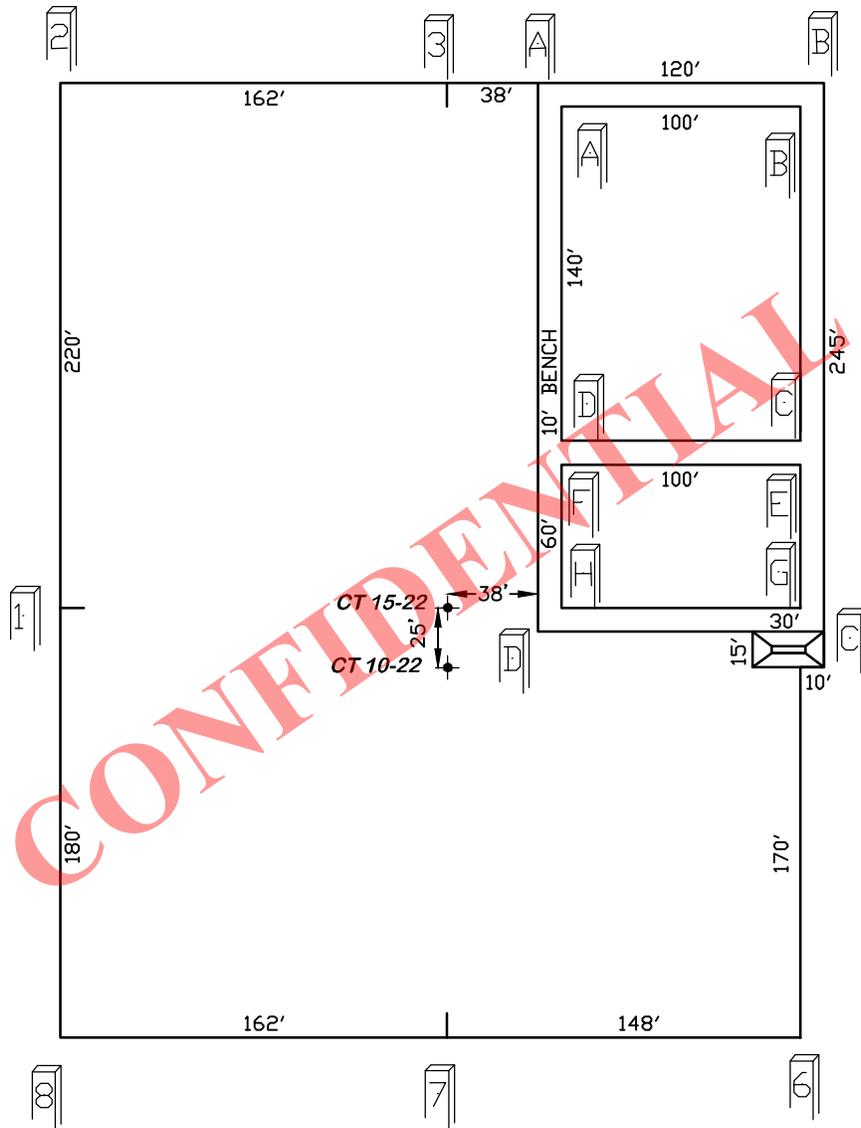


**BEFORE DIGGING  
 CALL FOR  
 UTILITY LINE LOCATION**  
 NOTE: THE EARTH QUANTITIES ON  
 THIS DRAWING ARE ESTIMATED  
 AND THE USE OF THIS IS AT THE  
 RESPONSIBILITY OF THE USER.



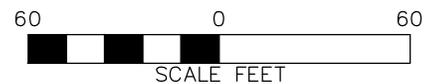
(307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901	
DRAWN: 8/30/2013 - RAS	SCALE: 1" = 80'
REVISED: N/A -	DRG JOB No. 20038
FIGURE 1	

**CRESCENT POINT ENERGY  
 DEEP CREEK 10,15-22-4-2E  
 SECTION 22, T. 4 S., R. 2 E.**  
 UNGRADED ELEVATION: 4851.9'  
 FINISHED ELEVATION: 4851.4'



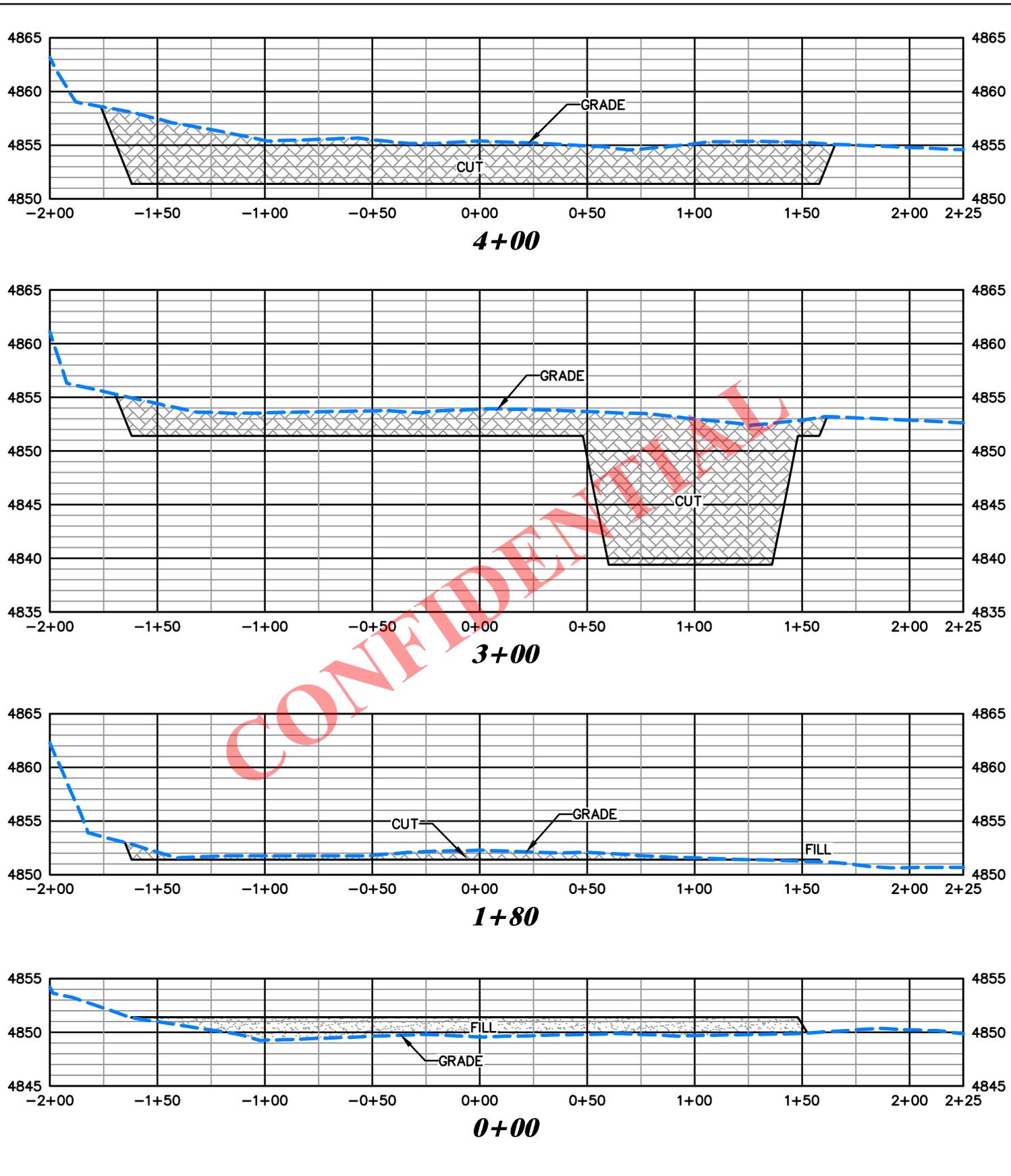
**BEFORE DIGGING  
CALL FOR  
UTILITY LINE LOCATION**

NOTE: THE EARTH QUANTITIES ON THIS DRAWING ARE ESTIMATED AND THE USE OF THIS IS AT THE RESPONSIBILITY OF THE USER.



 <b>DRG RIFFIN &amp; ASSOCIATES, INC.</b> (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901	
DRAWN: 8/30/2013 - RAS	SCALE: 1" = 80'
REVISED: N/A - .	DRG JOB No. 20038
	FIGURE 1A

<p align="center"><b>PAD LAYOUT</b>  <b>CRESCENT POINT ENERGY</b>  <b>DEEP CREEK 10,15-22-4-2E</b>  <b>SECTION 22, T. 4 S., R. 2 E.</b></p> <p align="center">UNGRADED ELEVATION: 4851.9'                  FINISHED ELEVATION: 4851.4'</p>
--



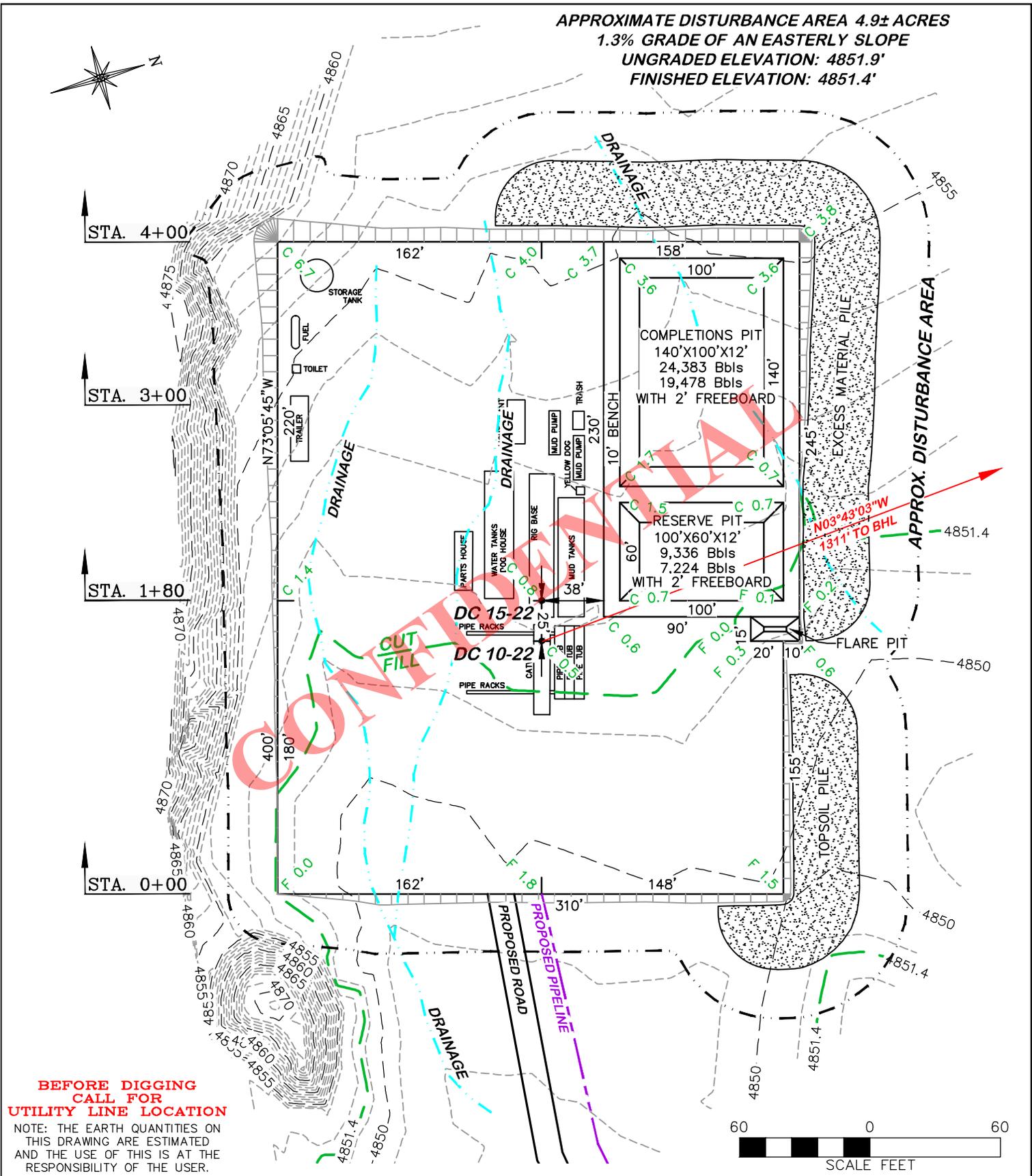
**DRG** RIFFIN & ASSOCIATES, INC.  
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 8/30/2013 - RAS	SCALE: HORZ 1" = 60' VERT 1" = 10'
REVISED: N/A - .	DRG JOB No. 20038
FIGURE 2	

**CRESCENT POINT ENERGY  
 DEEP CREEK 10,15-22-4-2E  
 SECTION 22, T. 4 S., R. 2 E.**

UNGRADED ELEVATION: 4851.9'  
 FINISHED ELEVATION: 4851.4'

APPROXIMATE DISTURBANCE AREA 4.9± ACRES  
 1.3% GRADE OF AN EASTERLY SLOPE  
 UNGRADED ELEVATION: 4851.9'  
 FINISHED ELEVATION: 4851.4'



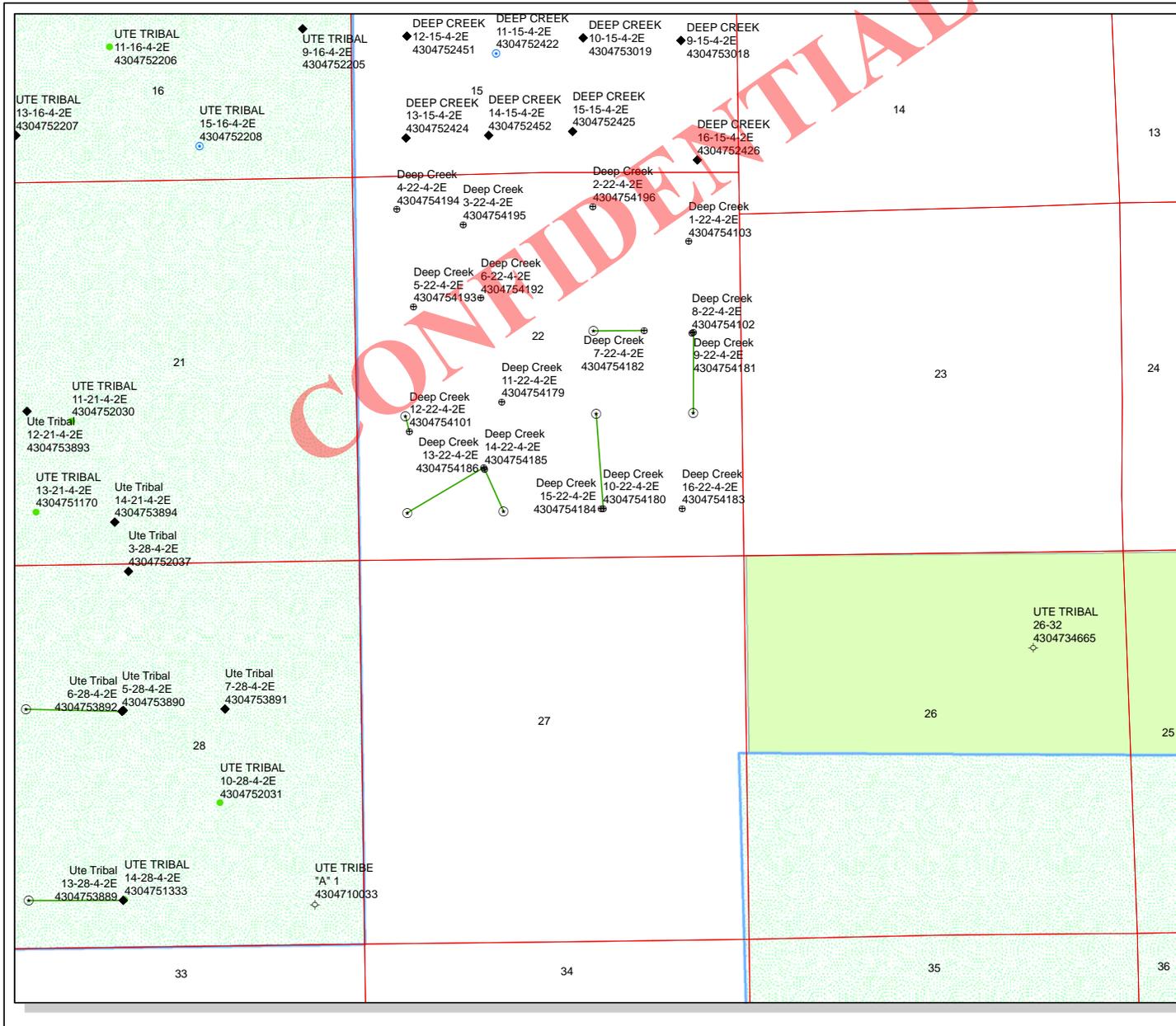
**BEFORE DIGGING  
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 AND THE USE OF THIS IS AT THE  
 RESPONSIBILITY OF THE USER.

**DRG RIFFIN & ASSOCIATES, INC.**  
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 8/30/2013 - RAS SCALE: 1" = 80'  
 REVISED: N/A - DRG JOB No. 20038  
 FIGURE 3

**CRESCENT POINT ENERGY  
 DEEP CREEK 10,15-22-4-2E  
 SECTION 22, T. 4 S., R. 2 E.**

ESTIMATED EARTHWORK				
ITEM	CUT	FILL	TOPSOIL	EXCESS
PAD	5,878 CY	1,482 CY	2,347 CY	2,049 CY
PIT	7,011 CY			7,011 CY
<b>TOTALS</b>	<b>12,889 CY</b>	<b>1,482 CY</b>	<b>2,347 CY</b>	<b>9,060 CY</b>



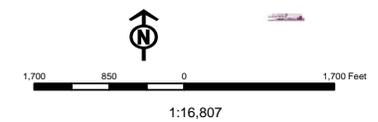
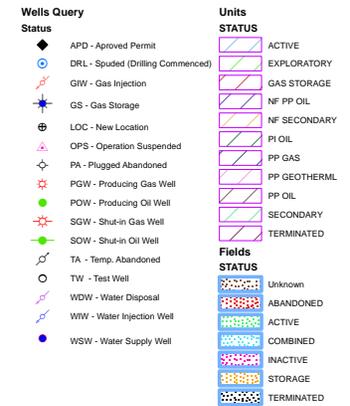
API Number: 4304754184

Well Name: Deep Creek 15-22-4-2E

Township: T04.0S Range: R02.0E Section: 22 Meridian: U

Operator: CRESCENT POINT ENERGY U.S. CORP

Map Prepared: 11/12/2013  
Map Produced by Diana Mason



Well Name	CRESCENT POINT ENERGY U.S. CORP Deep Creek 15-22-4-2E 4304			
String	Cond	Surf	Prod	
Casing Size(")	16.000	8.625	5.500	
Setting Depth (TVD)	40	1000	7080	
Previous Shoe Setting Depth (TVD)	0	40	1000	
Max Mud Weight (ppg)	8.3	8.3	10.0	
BOPE Proposed (psi)	0	500	3000	
Casing Internal Yield (psi)	1000	2950	7740	
Operators Max Anticipated Pressure (psi)	3682		10.0	

Calculations	Cond String	16.000	"
Max BHP (psi)	.052*Setting Depth*MW=	17	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	12	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	8	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	8	NO
Required Casing/BOPE Test Pressure=		40	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

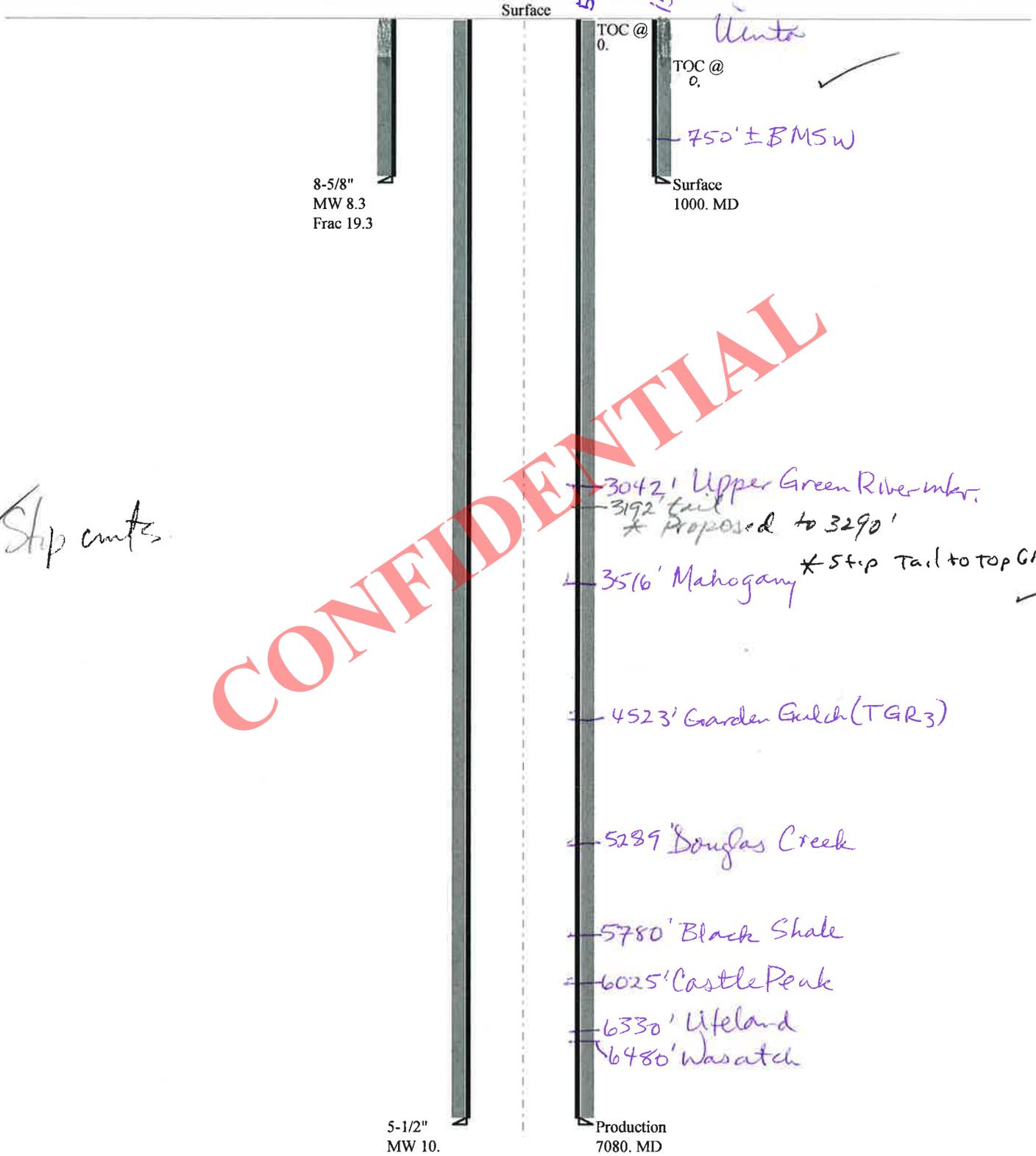
Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	432	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	312	YES air/mist
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	212	YES Ok
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	221	NO OK
Required Casing/BOPE Test Pressure=		1000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		40	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	3682	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2832	YES 3M BOPE & annular, rotating head, blind ram,
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2124	YES pipe rams, kill & choke lines
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2344	NO OK
Required Casing/BOPE Test Pressure=		3000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1000	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

# 43047541840000 Deep Creek 15-22-4-2E

## Casing Schematic



Well name:	<b>43047541840000 Deep Creek 15-22-4-2E</b>	
Operator:	<b>CRESCENT POINT ENERGY U.S. CORP</b>	
String type:	Surface	Project ID: 43-047-54184
Location:	UINTAH COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 8.300 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 88 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

**Burst:**

Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 880 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 1,000 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

**Non-directional string.**

Tension is based on buoyed weight.  
Neutral point: 875 ft

**Re subsequent strings:**

Next setting depth: 7,080 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 3,678 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,000 ft  
Injection pressure: 1,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1000	8.625	24.00	J-55	ST&C	1000	1000	7.972	5147
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	431	1370	3.178	1000	2950	2.95	21	244	11.62 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: March 31, 2014  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43047541840000 Deep Creek 15-22-4-2E</b>	
Operator:	<b>CRESCENT POINT ENERGY U.S. CORP</b>	
String type:	Production	Project ID: 43-047-54184
Location:	UINTAH COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 10.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 173 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

**Burst:**

Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 2,120 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 3,678 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

**Non-directional string.**

Tension is based on buoyed weight.  
Neutral point: 6,006 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	7080	5.5	17.00	E-80	LT&C	7080	7080	4.767	233640
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3678	6290	1.710	3678	7740	2.10	102.1	320	3.13 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Mining

Phone: 801-538-5357  
FAX: 801-359-3940

Date: March 31, 2014  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 7080 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** CRESCENT POINT ENERGY U.S. CORP  
**Well Name** Deep Creek 15-22-4-2E  
**API Number** 43047541840000      **APD No** 9021    **Field/Unit** UNDESIGNATED  
**Location: 1/4,1/4SWSE**    **Sec** 22    **Tw** 4.0S    **Rng** 2.0E    682 FSL 1958 FEL  
**GPS Coord (UTM)** 606393 4441459      **Surface Owner** Lee Smith

### Participants

Jim Burns - Starpoint, Lori Browne, Brian Foote, Mahe Taufa - Crescent Point; Mark Hecksel-DRGriffin; Allan Smith - landowner

### Regional/Local Setting & Topography

This location is in the Deep Creek area off the Carpenter Ranch road on the eastern extremes of the Leland Bench. Historically this land has been used for winter/ spring grazing of sheep and cattle. The region is not cultivated and is vegetated with naturally occurring native plants providing sparse habitat for some wildlife species. The proposed pad and section has a fairly flat topography but sits between two disparate levels of the bench edge. The ridges are approximately 20 feet high. The Duchesne River is about 1 mile down the cliff edge east and the Deep Creek North. There are existing drainages that take a natural course around the back side of the ridges and could easily be diverted to avoid the pad and remain in natural channels.

The region has seen increasing development for petroleum extraction.

### Surface Use Plan

**Current Surface Use**  
Grazing

New Road Miles	Well Pad	Src Const Material	Surface Formation
1.2	Width 150    Length 350	Onsite	UNTA

### Ancillary Facilities

### Waste Management Plan Adequate?

### Environmental Parameters

**Affected Floodplains and/or Wetlands** Y

### Flora / Fauna

High desert shrubland ecosystem. Expected vegetation consists of black sagebrush, shadscale, Atriplex spp., mustard spp, rabbit brush, horsebrush, broom snakeweed, Opuntia spp and spring annuals.

Dominant vegetation;

Gardiner's atriplex

Wildlife;

Adjacent habitat contains forbs that may be suitable browse for deer, antelope, prairie dogs or rabbits, though none were observed.

### Soil Type and Characteristics

light colored clayey sediments

**Erosion Issues** Y**Sedimentation Issues** N**Site Stability Issues** N**Drainage Diversion Required?** Y

small berm on corner 2 to ensure flows remain in channel

**Berm Required?** Y**Erosion Sedimentation Control Required?** N**Paleo Survey Run?** N **Paleo Potential Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N**Reserve Pit****Site-Specific Factors****Site Ranking**

<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>	300 to 1000	2
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>		20
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0

**Affected Populations****Presence Nearby Utility Conduits** Not Present 0**Final Score** 42 1 Sensitivity Level**Characteristics / Requirements**

A 60' x 100' x 12' deep reserve pit is planned in an area of cut on the northwest side of the location. A pit liner is required. Operator commonly uses a 16 mil liner with a felt underliner. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. A minimum freeboard of two feet shall be maintained at all times. Pit to be closed within one year after drilling activities are complete.

**Closed Loop Mud Required?** N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** N**Other Observations / Comments**

drainage comes through center of pad from a place that it WYE's near corner 2. I think they could simply make a 10 foot berm to ensure the flows take the right fork and avoid the pad altogether

Chris Jensen

1/29/2014

**Evaluator**

**Date / Time**

**CONFIDENTIAL**

# Application for Permit to Drill Statement of Basis

## Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
9021	43047541840000	LOCKED	OW	P	No
<b>Operator</b>	CRESCENT POINT ENERGY U.S. CORP		<b>Surface Owner-APD</b>	Lee Smith	
<b>Well Name</b>	Deep Creek 15-22-4-2E		<b>Unit</b>		
<b>Field</b>	UNDESIGNATED		<b>Type of Work</b>	DRILL	
<b>Location</b>	SWSE 22 4S 2E U 682 FSL 1958 FEL GPS Coord (UTM) 606392E 4441460N				

### Geologic Statement of Basis

Crescent Point proposes to set 40' of conductor and 1,000' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 750'. A search of Division of Water Rights records shows 1 water well within a 10,000 foot radius of the center of Section 22. This well is located in the SE/4 of Section 14. Depth is listed as 966 feet. Listed uses are irrigation, domestic and stock watering. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect ground water in this area.

Brad Hill  
APD Evaluator

2/13/2014  
Date / Time

### Surface Statement of Basis

Location is proposed in a good location although outside the spacing window. Well is to be drilled directionally. Access road enters the pad from the North. The landowner or its representative was in attendance for the pre-site inspection. The soil type and topography at present do combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions. Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted. Plans include measures for the diversion of drainages and pad footprint has been modified to lessen disturbance to these. Reserve pit is in an area of cut. I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A riparian area (Deep Creek) can be found North of the site. The location was not previously surveyed for cultural and paleontological resources ( as the operator saw fit). I have advised the operator take all measures necessary to comply with ESA and MBTA and that actions insure no disturbance to species that may have not been seen during onsite visit. The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues. A diversion is to be built sufficient to conduct overland or channel flow where it wye's at corner 2 to remain in the right fork and avoiding the pad footprint.

Chris Jensen  
Onsite Evaluator

1/29/2014  
Date / Time

**Conditions of Approval / Application for Permit to Drill**

<b>Category</b>	<b>Condition</b>
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.

**CONFIDENTIAL**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/7/2013

API NO. ASSIGNED: 43047541840000

WELL NAME: Deep Creek 15-22-4-2E

OPERATOR: CRESCENT POINT ENERGY U.S. CORP (N3935)

PHONE NUMBER: 720 880-3644

CONTACT: Emily Kate DeGrasse

PROPOSED LOCATION: SWSE 22 040S 020E

Permit Tech Review: 

SURFACE: 0682 FSL 1958 FEL

Engineering Review: 

BOTTOM: 0682 FSL 1958 FEL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.11673

LONGITUDE: -109.75150

UTM SURF EASTINGS: 606392.00

NORTHINGS: 4441460.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE - LPM9080271
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 437478
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

## LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: R649-3-2
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill  
 12 - Cement Volume (3) - ddoucet  
 23 - Spacing - dmason  
 25 - Surface Casing - hmacdonald



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. HAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** Deep Creek 15-22-4-2E

**API Well Number:** 43047541840000

**Lease Number:** Fee

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 4/2/2014

### Issued to:

CRESCENT POINT ENERGY U.S. CORP, 555 17th Street, Suite 750, Denver, CO 80202

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to surface and tail brought to above the top of the Green River Formation.

Surface casing shall be cemented to the surface.

**Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

**Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website  
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program  
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

**Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion

- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "J. Rogers", written in a cursive style.

For John Rogers  
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
		<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> Deep Creek 15-22-4-2E	
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>9. API NUMBER:</b> 43047541840000	
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 720 880-3621 Ext	<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0682 FSL 1958 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 22 Township: 04.0S Range: 02.0E Meridian: U		<b>COUNTY:</b> UINTAH	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 10/17/2014  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Crescent Point Energy US Corp spud the Deep Creek 15-22-4-2E with Pete Martin 17 on October 17, 2014 at 9:00am.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 20, 2014</b>			
<b>NAME (PLEASE PRINT)</b> Emily Kate DeGrasse	<b>PHONE NUMBER</b> 720 880-3644	<b>TITLE</b> Regulatory & Government Affairs Analyst	
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/17/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Deep Creek 15-22-4-2E
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP	9. API NUMBER: 43047541840000
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 , Denver, CO, 80202	PHONE NUMBER: 720 880-3621 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0682 FSL 1958 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 22 Township: 04.0S Range: 02.0E Meridian: U	9. FIELD and POOL or WILDCAT: UNDESIGNATED
	COUNTY: UINTAH
	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 11/20/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached drill report for Crescent Point Energy's Deep Creek 15-22-4-2E, encompassing all drilling operations to date.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 November 21, 2014**

<b>NAME (PLEASE PRINT)</b> Lauren MacMillan	<b>PHONE NUMBER</b> 303 382-6787	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/20/2014	



## Daily Drilling Report

Report for: 10/17/2014

Report #: 1.0, DFS: -22.29

Depth Progress:

Well Name: DEEP CREEK 15-22-4-2E

UWI/API 43-047-54184		Surface Legal Location 15-22-4-2			License # FEE							
Spud Date 10/17/2014 09:00		Date TD Reached (wellbore)		Rig Release Date 11/14/2014 15:00		Ground Elevation (ft) 4,851.00		Orig KB Elev (ft) 4,863.00				
Completion Type							AFE Number 1754713US		Start Depth (ftKB) 0.0		End Depth (ftKB) 0.0	
Weather							Temperature (°F)		Road Condition		Hole Condition	
Operation At 6am W.O.Air Rig							Operation Next 24hrs					
24 Hr Summary MIRU Pete Martin Rig #17, spud well @ 9:00 AM 10/17/2014 drill 52' KB 24" conductor hole,run & cement 52' KB 16" conductor pipe, Cmt.with ReadyMix												
<b>Time Log</b>												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
<b>Mud Checks</b>												
<depth>ftKB, <dtm>												
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)						
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)								
<b>Drill Strings</b>												
BHA #<stringno>, <des>												
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...							
Nozzles (1/32")	String Length (ft)	Max Nominal OD (in)										
String Components												
Comment												
<b>Drilling Parameters</b>												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
<b>Drill Strings</b>												
BHA #<stringno>, <des>												
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...							
Nozzles (1/32")	String Length (ft)	Max Nominal OD (in)										
String Components												
Comment												
<b>Drilling Parameters</b>												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
<b>Mud Additive Amounts</b>												
Des	Field Est (Cost/unit)	Consumed										
<b>Safety Checks</b>												
Time	Type	Des										
<b>Wellbores</b>												
Wellbore Name	KO MD (ftKB)											
Original Hole												



### Daily Drilling Report

Report for: 10/18/2014  
 Report #: 2.0, DFS: -21.29  
 Depth Progress:

Well Name: DEEP CREEK 15-22-4-2E

UWI/API 43-047-54184		Surface Legal Location 15-22-4-2			License # FEE				
Spud Date 10/17/2014 09:00		Date TD Reached (wellbore)		Rig Release Date 11/14/2014 15:00		Ground Elevation (ft) 4,851.00		Orig KB Elev (ft) 4,863.00	
Completion Type									
Weather			Temperature (°F)			Road Condition		Hole Condition	
Operation At 6am W.O.Drig.Rig					Operation Next 24hrs				
24 Hr Summary MIRU Pro Petro Rig #10,Drill 1087' KB 12 1/4" Surface hole,R/U & run 1032' KB 9 5/8" 36# surface CSG,Cement W/500 sks 15.8 ppg 1.15 cuft/sk yield cement,30 bbls good cement T/Surf,cement stayed @ Surf.									

AFE Number 1754713US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
Target Formation Wasatch	Target Depth (ftKB) 7,037.0
Last Casing String Surface, 1,032.0ftKB	

<b>Time Log</b>									
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com			

<b>Daily Contacts</b>	
Job Contact	Mobile

<b>Mud Checks</b>									
<depth>ftKB, <dtm>									
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)			
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)			
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)			
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)					

<b>Rigs</b>	
<b>Capstar, 316</b>	
Contractor Capstar	Rig Number 316
Rig Supervisor JACOB STATON	Phone Mobile 307-315-5422

<b>Drill Strings</b>									
<b>BHA #&lt;stringno&gt;, &lt;des&gt;</b>									
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...				
Nozzles (1/32")			String Length (ft)	Max Nominal OD (in)					
String Components									
Comment									

<b>1, Gardner-Denver, PZ-9</b>		
Pump # 1	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)

<b>Drilling Parameters</b>												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq

<b>2, Gardner-Denver, PZ-9</b>		
Pump # 2	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)

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<b>Mud Additive Amounts</b>		
Des	Field Est (Cost/unit)	Consumed

<b>Safety Checks</b>		
Time	Type	Des

<b>Wellbores</b>	
Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 11/8/2014  
Report #: 3.0, DFS: -0.29  
Depth Progress:

Well Name: DEEP CREEK 15-22-4-2E

UWI/API 43-047-54184		Surface Legal Location 15-22-4-2			License # FEE										
Spud Date 10/17/2014 09:00		Date TD Reached (wellbore)		Rig Release Date 11/14/2014 15:00		Ground Elevation (ft) 4,851.00		Orig KB Elev (ft) 4,863.00							
Completion Type							AFE Number 1754713US		Start Depth (ftKB) 0.0		End Depth (ftKB) 0.0				
Weather Clear							Temperature (°F) 58.0		Road Condition Good		Hole Condition Good				
Operation At 6am Rig Down							Operation Next 24hrs M.I.R.U, Nipple up & Pressure Test BOP, Pick up Steerable BHA, T.I.H., Drill out 8 5/8" Shoe Track, Drill 7 7/8" Production Hole From 1087'					Target Formation Wasatch		Target Depth (ftKB) 7,037.0	
24 Hr Summary Rig Down												Last Casing String Surface, 1,032.0ftKB			
<b>Time Log</b>															
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com									
21:00	06:00	9.00	9.00	1	RIGUP & TEARDOWN	Rig Down									
<b>Mud Checks</b>															
<depth>ftKB, <dtm>															
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)									
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)									
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)									
Whole Mud Added (bbl)		Mud Lost to Hole (bbl)		Mud Lost to Surface (bbl)		Reserve Mud Volume (bbl)		Active Mud Volume (bbl)							
<b>Drill Strings</b>															
BHA #<stringno>, <des>															
Bit Run	Drill Bit	Length (ft)		IADC Bit Dull			TFA (incl Noz) (in²)		BHA ROP...						
Nozzles (1/32")				String Length (ft)			Max Nominal OD (in)								
String Components															
Comment															
<b>Drilling Parameters</b>															
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq			
<b>Wellbores</b>															
Wellbore Name		KO MD (ftKB)													
Original Hole															
<b>Daily Contacts</b>															
Job Contact						Mobile									
Scott seely						435-828-1101									
Brent Bascom						970-250-2928									
<b>Rigs</b>															
Capstar, 316															
Contractor Capstar						Rig Number 316									
Rig Supervisor JACOB STATION						Phone Mobile 307-315-5422									
<b>1, Gardner-Denver, PZ-9</b>															
Pump #	Pwr (hp)	Rod Dia (in)													
1	750.0														
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)													
6	9.02	0.079													
P (psi)	Slow Spd	Strokes (s...)	Eff (%)												
<b>2, Gardner-Denver, PZ-9</b>															
Pump #	Pwr (hp)	Rod Dia (in)													
2	750.0														
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)													
6	9.02	0.079													
P (psi)	Slow Spd	Strokes (s...)	Eff (%)												
<b>Mud Additive Amounts</b>															
Des		Field Est (Cost/unit)	Consumed												
<b>Safety Checks</b>															
Time	Type	Des													



## Daily Drilling Report

Report for: 11/9/2014  
Report #: 4.0, DFS: 0.71  
Depth Progress: 453.00

Well Name: DEEP CREEK 15-22-4-2E

UWI/API 43-047-54184		Surface Legal Location 15-22-4-2		License # FEE																																												
Spud Date 10/17/2014 09:00		Date TD Reached (wellbore)		Rig Release Date 11/14/2014 15:00																																												
				Ground Elevation (ft) 4,851.00																																												
				Orig KB Elev (ft) 4,863.00																																												
Completion Type																																																
Weather Clear		Temperature (°F) 62.0		Road Condition Good																																												
				Hole Condition Good																																												
Operation At 6am Drilling @ 1540'			Operation Next 24hrs Drill 7 7/8" Production Hole																																													
24 Hr Summary M.I.R.U, Nipple up & Pressure Test BOP, Pick up Steerable BHA, T.I.H., Drill out 8 5/8" Shoe Track, Drill 7 7/8" Production Hole From 1087' to 1152' (65 fph) T.O.O.H.- Change Pulse Tool - Cut & Slip drilling Line Trip to bottom, Continue Drilling f/ 1152' to 1540' (388' @ 110.8 fph)																																																
<b>Time Log</b>																																																
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com																																										
09:30	13:00	3.50	3.50	1	RIGUP & TEARDOWN	Move In/ Rig UP																																										
13:00	17:00	4.00	7.50	14	NIPPLE UP B.O.P	Nipple Up BOP																																										
17:00	20:30	3.50	11.00	15	TEST B.O.P	Pressure Test BOP, Pipe Rams, Blind Rams, Safety Valves, Lines, Choke Manifold 3000 PSI/10 Min. Annular BOP 1500 Psi/10 Min., Casing 1500 Psi/ 30 Min.																																										
20:30	00:00	3.50	14.50	6	TRIPS	Pick Up Directional Tools, Trip in Hole, Tag cement @928'																																										
00:00	01:00	1.00	15.50	22	OPEN	Drill Cement & Float Equipment																																										
01:00	02:00	1.00	16.50	2	DRILL ACTUAL	Drill 7 7/8" Production Hole f/ 1087' to 1152' (65 fph)																																										
02:00	02:30	0.50	17.00	10	DEVIATION SURVEY	Attempt survey, Unable to decode weak MWD Pulse																																										
02:30	04:00	1.50	18.50	6	TRIPS	Trip Out, Change Pulse Tool																																										
04:00	04:30	0.50	19.00	6	TRIPS	Trip in hole w/ BHA																																										
04:30	05:30	1.00	20.00	9	CUT OFF DRILL LINE	Cut & Slip 80' Drilling Line																																										
05:30	06:00	0.50	20.50	6	TRIPS	Continue Trip In Hole																																										
06:00	09:30	3.50	24.00	2	DRILL ACTUAL	Drilling f/ 1152' to 1540' (388' @ 110.8 fph) 16k wob, 500 gpm																																										
<b>Mud Checks</b>																																																
1,087.0ftKB, 11/9/2014 14:00																																																
Type DAP	Time 14:00	Depth (ftKB) 1,087.0	Density (lb/gal) 8.40	Funnel Viscosity (s/qt) 27	PV Override (cP) 27	YP OR (lb/100ft²) 1.0																																										
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.0	Sand (%)	Solids (%) 1.0																																										
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 1,600.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL)	Gel 30 min (lb/100ft²)																																										
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)																																												
<b>Drill Strings</b>																																																
<b>BHA #1, Steerable</b>																																																
Bit Run 1	Drill Bit 7 7/8in, MM65M (PN 904175), 12532842	Length (ft) 1.00	IADC Bit Dull 0-0-0-----TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 79.9																																											
Nozzles (1/32") 16/16/16/16/16/16	String Length (ft) 554.85	Max Nominal OD (in) 6.500																																														
String Components Security MM65M (PN 904175), Mud Motor, UBHO, NMDC, Drill Collar, HWDP																																																
Comment Security MM65M (Newsco MM,6.5" 7/8, 3.3 Stg. .16 Rev. 1.50° Bend)(6.375"x2.5"UBHO) (1- 6.375"x2.375"NMDC)(6-6.125"x 2.375" DC)(10-4.5" HWDP)																																																
<b>Drilling Parameters</b>																																																
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq																																				
Original Hole	1,087.0	1,540.0	453.00	4.50	100.7	394	16	70	1,250.0	34	50	9,000.0																																				
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## Daily Drilling Report

Report for: 11/10/2014  
Report #: 5.0, DFS: 1.71  
Depth Progress: 2,630.00

Well Name: DEEP CREEK 15-22-4-2E

UWI/API 43-047-54184		Surface Legal Location 15-22-4-2		License # FEE	
Spud Date 10/17/2014 09:00		Date TD Reached (wellbore)		Rig Release Date 11/14/2014 15:00	
				Ground Elevation (ft) 4,851.00	
				Orig KB Elev (ft) 4,863.00	
Completion Type					
Weather Clear/ Windy		Temperature (°F) 50.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am Drilling @ 4170'			Operation Next 24hrs Drill 7 7/8" Production Hole		

## 24 Hr Summary

Drilling f/ 1540' to 4170' (2630' @ 111.9 fph) 16k wob, 394 gpm, no Losses. Mahogany Bench Top @ 3515' Lith. 50% SH, 40% CLYST, 10% SS, BKG 400-1247 u, Conn. 1688-3000 u, Peak 4659 u @ 3977'.

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	18:00	12.00	12.00	2	DRILL ACTUAL	Drilling f/ 1540' to 3335 (1795' @ 149.6 fph) 16k wob, 504 gpm
18:00	18:30	0.50	12.50	7	LUBRICATE RIG	Rig service
18:30	06:00	11.50	24.00	2	DRILL ACTUAL	Drilling f/ 3335' to 4170' (835' @ 72.6 fph) 16k wob, 394 gpm, no Losses

## Mud Checks

2,200.0ftKB, 11/10/2014 10:30

Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
DAP	10:30	2,200.0	8.40	27		
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
				8.5		1.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
		1,600.000		0.1		
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

## Drill Strings

## BHA #1, Steerable

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
1	7 7/8in, MM65M (PN 904175), 12532842	1.00	0-0-0-----TD	1.18	79.9
Nozzles (1/32")		String Length (ft)		Max Nominal OD (in)	
16/16/16/16/16/16		554.85		6.500	

## String Components

Security MM65M (PN 904175), Mud Motor, UBHO, NMDC, Drill Collar, HWDP

## Comment

Security MM65M (Newsco MM,6.5" 7/8, 3.3 Stg. .16 Rev. 1.50° Bend)(6.375"x2.5"UBHO) (1- 6.375"x2.375"NMDC)(6-6.125"x 2.375" DC)(10-4.5" HWDP)

## Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	1,540.0	4,170.0	3,083.00	28.00	111.9	394	16	70	1,150.0	74	95	10,300.0

AFE Number 1754713US	
Start Depth (ftKB) 1,540.0	End Depth (ftKB) 4,170.0
Target Formation Wasatch	Target Depth (ftKB) 7,037.0
Last Casing String Surface, 1,032.0ftKB	

## Daily Contacts

Job Contact	Mobile
Scott seely	435-828-1101
Brent Bascom	970-250-2928

## Rigs

## Capstar, 316

Contractor Capstar	Rig Number 316
Rig Supervisor JACOB STATON	Phone Mobile 307-315-5422

## 1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## 2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
DAP	35.00	24.0
Engineering	450.00	1.0
Liqui Drill	135.00	1.0
Rental	50.00	1.0
Tax	1.00	68.0

## Safety Checks

Time	Type	Des
16:30	BOP Drill	
18:00	Safety Meeting	
06:00	Safety Meeting	

## Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 11/11/2014  
Report #: 6.0, DFS: 2.71  
Depth Progress: 1,474.00

Well Name: DEEP CREEK 15-22-4-2E

UWI/API 43-047-54184		Surface Legal Location 15-22-4-2		License # FEE	
Spud Date 10/17/2014 09:00		Date TD Reached (wellbore)		Rig Release Date 11/14/2014 15:00	
				Ground Elevation (ft) 4,851.00	
				Orig KB Elev (ft) 4,863.00	
Completion Type					
Weather Clear		Temperature (°F) 40.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am 5644			Operation Next 24hrs Drill 7 7/8" Production Hole		

## 24 Hr Summary

Drilling f/ 4170' to 5644' (1474' @ 61.4 fph) 16k wob, 394 gpm, no Losses, TGR# Top @ 4580', Douglas Creek Top @ 5362', Lith. 40%SH, 30%CLYST, 30%SS, BKG 235-496 u, Conn. 193-345 u, Peak 2375 u @ 4678'

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	15:30	9.50	9.50	2	DRILL ACTUAL	Drilling f/ 4170' to 4831' (661' @ 69.6 fph) 16k wob, 394 gpm, no Losses
15:30	16:00	0.50	10.00	7	LUBRICATE RIG	Rig Service
16:00	06:00	14.00	24.00	2	DRILL ACTUAL	Drilling f/ 4831' to 5644' (813' @ 58.1 fph) 16k wob, 394 gpm, no Losses

## Mud Checks

4,520.0ftKB, 11/11/2014 10:30

Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
DAP	10:30	4,520.0	9.65	31	5.0	6.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
4.000	7.000			8.5	0.3	9.2
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
		22,000.000		0.1		
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

## Drill Strings

## BHA #1, Steerable

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
1	7 7/8in, MM65M (PN 904175), 12532842	1.00	0-0-0-----TD	1.18	79.9
Nozzles (1/32")		String Length (ft)		Max Nominal OD (in)	
16/16/16/16/16/16		554.85		6.500	

## String Components

Security MM65M (PN 904175), Mud Motor, UBHO, NMDC, Drill Collar, HWDP

## Comment

Security MM65M (Newsco MM,6.5" 7/8, 3.3 Stg. .16 Rev. 1.50° Bend)(6.375"x2.5"UBHO) (1- 6.375"x2.375"NMDC)(6-6.125"x 2.375" DC)(10-4.5" HWDP)

## Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	4,170.0	5,644.0	4,557.0 0	51.50	62.7	394	17	60	1,260.0	93	115	11,20 0.0

AFE Number 1754713US	
Start Depth (ftKB) 4,170.0	End Depth (ftKB) 5,644.0
Target Formation Wasatch	Target Depth (ftKB) 7,037.0
Last Casing String Surface, 1,032.0ftKB	

## Daily Contacts

Job Contact	Mobile
Scott seely	435-828-1101
Brent Bascom	970-250-2928

## Rigs

## Capstar, 316

Contractor Capstar	Rig Number 316
Rig Supervisor JACOB STATION	Phone Mobile 307-315-5422

## 1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi) 1,050.0	Slow Spd No	Strokes (s...) 125
		Eff (%) 95

## 2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
Bentonite	7.50	96.0
DAP	35.00	56.0
Engineering	450.00	1.0
Hole Seal	21.00	35.0
Liqui Drill	135.00	1.0
Pallet	20.00	7.0
Rental	50.00	1.0
Sea Mud	15.50	191.0
Shrink Wrap	20.00	7.0
Tax	1.00	475.0
Trucking	1.00	2,000.0

## Safety Checks

Time	Type	Des
18:00	Safety Meeting	

## Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 11/12/2014  
Report #: 7.0, DFS: 3.71  
Depth Progress: 1,411.00

Well Name: DEEP CREEK 15-22-4-2E

UWI/API 43-047-54184		Surface Legal Location 15-22-4-2		License # FEE	
Spud Date 10/17/2014 09:00		Date TD Reached (wellbore)		Rig Release Date 11/14/2014 15:00	
				Ground Elevation (ft) 4,851.00	
				Orig KB Elev (ft) 4,863.00	
Completion Type					
Weather cold		Temperature (°F) 9.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am CIRC.BOTTOMS UP @ T.D. 7055'			Operation Next 24hrs SPOT KILL PILL POOH LOG WELL START RUNNING 5 1/2 PROD. CASING		
24 Hr Summary DRILLING F/ 5644 TO 7055 T.D. TOPPED BLACK SHALE @ 5781 CASTLE PEAK @ 6030 UTELAND BUTTE @ 6280 & THE WASATCH @ 6463 BGG 189-300 UNITS CONNS 190-230 PEAK GAS 6305 UNIT @ 6348' T.D. WELL @ 0530 CIRC BOTTOMS UP					
<b>Time Log</b>					
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity
06:00	16:00	10.00	10.00	2	DRILL ACTUAL DRILLING F/ 5644' TO 6328' ( 68 FPH ) 16 K ON BIT 390 GPM 122 TOTAL RPMS 76 BBL LOST TO HOLE
16:00	16:30	0.50	10.50	7	LUBRICATE RIG RIG SERVICE
16:30	05:30	13.00	23.50	2	DRILL ACTUAL DRILLING F/ 6328' TO 7055 ( 56 FPH ) 16 K ON BIT 390 GPM 122 TOTAL RPMS
05:30	06:00	0.50	24.00	5	COND MUD & CIRC CIRC. HOLE CLEAN @ T.D.
<b>Mud Checks</b>					
5,980.0ftKB, 11/12/2014 10:00					
Type Water Base	Time 10:00	Depth (ftKB) 5,980.0	Density (lb/gal) 9.70	Funnel Viscosity (s/qt) 31	PV Override (cP) 5.0
YP OR (lb/100ft²) 6.000	Gel 10 sec (lb/100ft²) 5.000	Gel 10 min (lb/100ft²) 8.000	Filtrate (mL/30min)	Filter Cake (1/32") 1	pH 8.5
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)
Solids (%) 10.0	Gel 30 min (lb/100ft²)				
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)	
<b>Drill Strings</b>					
<b>BHA #1, Steerable</b>					
Bit Run 1	Drill Bit 7 7/8in, MM65M (PN 904175), 12532842	Length (ft) 1.00	IADC Bit Dull 0-0-0-----TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 79.9
Nozzles (1/32") 16/16/16/16/16/16	String Length (ft) 554.85	Max Nominal OD (in) 6.500			
String Components Security MM65M (PN 904175), Mud Motor, UBHO, NMDC, Drill Collar, HWDP					
Comment Security MM65M (Newsco MM,6.5" 7/8, 3.3 Stg. .16 Rev. 1.50° Bend)(6.375"x2.5"UBHO) (1- 6.375"x2.375"NMDC)(6-6.125"x 2.375" DC)(10-4.5" HWDP)					
<b>Drilling Parameters</b>					
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)
Original Hole	5,644.0	7,055.0	5,968.0 0	74.50	61.3
					394
					17
					60
					1,400.0
					126
					133
					12,10 0.0
<b>AFE Number</b> 1754713US					
Start Depth (ftKB) 5,644.0		End Depth (ftKB) 7,055.0			
Target Formation Wasatch		Target Depth (ftKB) 7,037.0			
Last Casing String Surface, 1,032.0ftKB					
<b>Daily Contacts</b>					
Job Contact			Mobile		
Scott seely		435-828-1101			
Brent Bascom		970-250-2928			
Doug Hackford		970-640-3882			
<b>Rigs</b>					
<b>Capstar, 316</b>					
Contractor Capstar		Rig Number 316			
Rig Supervisor JACOB STATION		Phone Mobile 307-315-5422			
<b>1, Gardner-Denver, PZ-9</b>					
Pump # 1	Pwr (hp) 750.0	Rod Dia (in)			
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079			
P (psi) 1,260.0	Slow Spd No	Strokes (s...) 125	Eff (%) 95		
<b>2, Gardner-Denver, PZ-9</b>					
Pump # 2	Pwr (hp) 750.0	Rod Dia (in)			
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079			
P (psi)	Slow Spd	Strokes (s...)	Eff (%)		
<b>Mud Additive Amounts</b>					
Des	Field Est (Cost/unit)	Consumed			
DAP	35.00	10.0			
Engineering	450.00	1.0			
Hole Seal	21.00	21.0			
Liqui Drill	135.00	1.0			
Pallet	20.00	2.0			
Rental	50.00	1.0			
Sawdust	4.50	55.0			
Sea Mud	15.50	90.0			
Shrink Wrap	20.00	4.0			
Tax	1.00	101.0			
<b>Safety Checks</b>					
Time	Type	Des			
<b>Wellbores</b>					
Wellbore Name		KO MD (ftKB)			
Original Hole					



## Daily Drilling Report

Report for: 11/13/2014  
Report #: 8.0, DFS: 4.71  
Depth Progress: -16.00

Well Name: DEEP CREEK 15-22-4-2E

UWI/API 43-047-54184		Surface Legal Location 15-22-4-2		License # FEE		
Spud Date 10/17/2014 09:00		Date TD Reached (wellbore)		Rig Release Date 11/14/2014 15:00		
				Ground Elevation (ft) 4,851.00		
				Orig KB Elev (ft) 4,863.00		
Completion Type						
Weather COLD		Temperature (°F) 14.0		Road Condition Good		
				Hole Condition Good		
Operation At 6am RUNNING 5 1/2 PROD CASING @ 5500'			Operation Next 24hrs LAND CASING @ 7039 CEMENT NIPPLE DOWN & MOVE TO DEEP CREEK 10-22-4-2E			
24 Hr Summary SPOT KILL PILL POOH CIRC CLEAN AT 3000' PULL ON OUT LOG WELL RUNNING 5 1/2 CASING TO 5500'						
<b>Time Log</b>						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	08:00	2.00	2.00	5	COND MUD & CIRC	CIRC CLEAN SPOT 10.5 # KILL PILL
08:00	11:00	3.00	5.00	6	TRIPS	POOH TO 3000'
11:00	11:30	0.50	5.50	5	COND MUD & CIRC	CIRC CLEAN W/ 1 1/2 BOTTOMS UP & PUMP PILL
11:30	14:00	2.50	8.00	6	TRIPS	PULL ON OUT LAY DOWN DIR. TOOLS
14:00	21:00	7.00	15.00	11	WIRELINE LOGS	LOG WELL W/ HALLIBURTON RUN QUOD COMBO F/ 7055 UP TO 1032' W/ DIELECTRIC / NUTRON / DENSITY / RESISTIVITY & GAMMY UP TO SURFACE
21:00	00:00	3.00	18.00	12	RUN CASING & CEMENT	RUNNING 5 1/2 CASING W/ 2 MARKERS @ 6455 & 4520'
00:00	01:00	1.00	19.00	22	OPEN	REPAIR CASING SLIPS
01:00	06:00	5.00	24.00	12	RUN CASING & CEMENT	RUNNING 5 1/2 CASING GOT 2 MARKERS @ 6455 & 4520' @ 5500' 0600 HRS

## Mud Checks

7,055.0ftKB, 11/13/2014 15:30

Type Water Base	Time 15:30	Depth (ftKB) 7,055.0	Density (lb/gal) 9.80	Funnel Viscosity (s/qt) 31	PV Override (cP) 6.0	YP OR (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 5.000	Gel 10 min (lb/100ft²) 10.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 20,000.000	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

## Drill Strings

## BHA #1, Steerable

Bit Run 1	Drill Bit 7 7/8in, MM65M (PN 904175), 12532842	Length (ft) 1.00	IADC Bit Dull 0-0-0-----TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 79.9
Nozzles (1/32") 16/16/16/16/16/16	String Length (ft) 554.85	Max Nominal OD (in) 6.500			

## String Components

Security MM65M (PN 904175), Mud Motor, UBHO, NMDC, Drill Collar, HWDP

## Comment

Security MM65M (Newsco MM,6.5" 7/8, 3.3 Stg. .16 Rev. 1.50° Bend)(6.375"x2.5"UBHO) (1- 6.375"x2.375"NMDC)(6-6.125"x 2.375" DC)(10-4.5" HWDP)

## Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	7,055.0	7,039.0	5,952.0 0	74.50		394	17	60	1,400.0	126	133	12,10 0.0

AFE Number 1754713US	
Start Depth (ftKB) 7,055.0	End Depth (ftKB) 7,039.0
Target Formation Wasatch	Target Depth (ftKB) 7,037.0
Last Casing String Surface, 1,032.0ftKB	
<b>Daily Contacts</b>	
Job Contact	Mobile
Scott seely	435-828-1101
Doug Hackford	970-640-3882

## Rigs

## Capstar, 316

Contractor Capstar	Rig Number 316
Rig Supervisor JACOB STATION	Phone Mobile 307-315-5422

## 1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## 2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
Barite	10.65	200.0
Brine	7.50	400.0
DAP	35.00	20.0
Engineering	450.00	1.0
Hole Seal	21.00	28.0
Liqui Drill	135.00	1.0
Pallet	20.00	4.0
Rental	50.00	1.0
Tax	1.00	226.0

## Safety Checks

Time	Type	Des

## Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

 Report for: 11/14/2014  
 Report #: 9.0, DFS: 5.71  
 Depth Progress: 0.00

Well Name: DEEP CREEK 15-22-4-2E

UWI/API 43-047-54184		Surface Legal Location 15-22-4-2			License # FEE							
Spud Date 10/17/2014 09:00		Date TD Reached (wellbore)		Rig Release Date 11/14/2014 15:00		Ground Elevation (ft) 4,851.00		Orig KB Elev (ft) 4,863.00				
Completion Type							Target Formation Wasatch		Target Depth (ftKB) 7,037.0			
Weather COOL		Temperature (°F) 16.0			Road Condition Good		Hole Condition Good					
Operation At 6am MOVED OFF / WAIT ON COMPLETION				Operation Next 24hrs MOVED OFF				Last Casing String Production, 7,039.0ftKB				
24 Hr Summary RUN 160 FULL JTS & 2 MARKERS LAND ON HANGER @ 7039' RIG UP HALLIBURTON PUMP 150 SKS 10.5# 4.31 YIELD LEAD THEN 465 SKS 13.1# 1.66 YIELD TAIL PUMP 162 BBL WATER DISPLACEMENT PLUG BUMPED & HELD CIRC 25 BBLS CEMENT TO PIT RELEASE RIG 1300 HR. 11/14/14												
<b>Time Log</b>												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
06:00	09:00	3.00	3.00	12	RUN CASING & CEMENT	RUN 160 FULL JTS & 2 MARKERS LAND ON HANGER @ 7039'						
09:00	11:00	2.00	5.00	12	RUN CASING & CEMENT	RIG UP HALLIBURTON HELD SEAFY MEETING & PUMP 150 SKS 10.5# 4.31 YIELD LEAD THEN 465 SKS 13.1# 1.66 YIELD TAIL PUMP 162 BBL WATER DISPLACEMENT PLUG BUMPED & HELD CIRC 25 BBLS CEMENT TO PIT						
11:00	15:00	4.00	9.00	14	NIPPLE UP B.O.P	NIPPLE DOWN BOPS & CLEAN MUD PITS RELEASE RIG @ 1500 HRS 11/14/14						
<b>Mud Checks</b>												
<depth>ftKB, <dtm>												
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)						
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)		Mud Lost to Hole (bbl)		Mud Lost to Surface (bbl)		Reserve Mud Volume (bbl)		Active Mud Volume (bbl)				
<b>Drill Strings</b>												
BHA #<stringno>, <des>												
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...							
Nozzles (1/32")			String Length (ft)			Max Nominal OD (in)						
String Components												
Comment												
<b>Drilling Parameters</b>												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq

AFE Number 1754713US		
Start Depth (ftKB) 7,039.0	End Depth (ftKB) 7,039.0	
Target Formation Wasatch	Target Depth (ftKB) 7,037.0	
Last Casing String Production, 7,039.0ftKB		
<b>Daily Contacts</b>		
Job Contact		Mobile
Scott seely		435-828-1101
Doug Hackford		970-640-3882
<b>Rigs</b>		
<b>Capstar, 316</b>		
Contractor Capstar		Rig Number 316
Rig Supervisor JACOB STATION		Phone Mobile 307-315-5422
<b>1, Gardner-Denver, PZ-9</b>		
Pump # 1	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...) Eff (%)
<b>2, Gardner-Denver, PZ-9</b>		
Pump # 2	Pwr (hp) 750.0	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s...) Eff (%)
<b>Mud Additive Amounts</b>		
Des	Field Est (Cost/unit)	Consumed
Engineering	450.00	1.0
Rental	50.00	1.0
<b>Safety Checks</b>		
Time	Type	Des
<b>Wellbores</b>		
Wellbore Name	KO MD (ftKB)	
Original Hole		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee	
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>8. WELL NAME and NUMBER:</b> Deep Creek 15-22-4-2E	
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047541840000	
<b>PHONE NUMBER:</b> 720 880-3621 Ext		<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0682 FSL 1958 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 22 Township: 04.0S Range: 02.0E Meridian: U		<b>COUNTY:</b> UINTAH	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 1/11/2015	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input checked="" type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
<p>Crescent Point Energy US Corp reports the first production of hydrocarbons from Deep Creek 15-22-4-2E on 1/11/2015</p> <div style="text-align: right;"> <p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY January 12, 2015</b></p> </div>			
<b>NAME (PLEASE PRINT)</b> Kristen Johnson		<b>PHONE NUMBER</b> 303 308-6270	<b>TITLE</b> Regulatory Technician
<b>SIGNATURE</b> N/A		<b>DATE</b> 1/12/2015	

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

12. COUNTY

13. STATE

UTAH

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:

3. ADDRESS OF OPERATOR: CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_ PHONE NUMBER: \_\_\_\_\_

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE:  
  
AT TOP PRODUCING INTERVAL REPORTED BELOW:  
  
AT TOTAL DEPTH:

14. DATE SPURRED: \_\_\_\_\_ 15. DATE T.D. REACHED: \_\_\_\_\_ 16. DATE COMPLETED: \_\_\_\_\_ ABANDONED  READY TO PRODUCE  17. ELEVATIONS (DF, RKB, RT, GL): \_\_\_\_\_

18. TOTAL DEPTH: MD \_\_\_\_\_ TVD \_\_\_\_\_ 19. PLUG BACK T.D.: MD \_\_\_\_\_ TVD \_\_\_\_\_ 20. IF MULTIPLE COMPLETIONS, HOW MANY? \* \_\_\_\_\_ 21. DEPTH BRIDGE PLUG SET: MD \_\_\_\_\_ TVD \_\_\_\_\_

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

**24. CASING AND LINER RECORD (Report all strings set in well)**

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

**27. PERFORATION RECORD**

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

**28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

**29. ENCLOSED ATTACHMENTS:**

ELECTRICAL/MECHANICAL LOGS       GEOLOGIC REPORT       DST REPORT       DIRECTIONAL SURVEY  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION       CORE ANALYSIS       OTHER: \_\_\_\_\_

**30. WELL STATUS:**

**31. INITIAL PRODUCTION**

**INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL B (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL C (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL D (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)**

**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**34. FORMATION (Log) MARKERS:**

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

**35. ADDITIONAL REMARKS (Include plugging procedure)**

**36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.**

NAME (PLEASE PRINT) \_\_\_\_\_ TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

This report must be submitted within 30 days of

- completing or plugging a new well
- reentering a previously plugged and abandoned well
- drilling horizontal laterals from an existing well bore
- significantly deepening an existing well bore below the previous bottom-hole depth
- recompleting to a different producing formation
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



**Job Number:** 34489  
**Company:** Crescent Point Energy Corp.  
**Lease/Well:** Deep Creek 15-22-4-2E  
**Location:** Deep Creek 15-22-4-2E  
**Rig Name:** Capstar 316  
**RKB:**   
**G.L. or M.S.L.:**

**State/Country:** Utah/US  
**Declination:** 11  
**Grid:**   
**File name:** C:\WINSERVE\ACCESS\34489.SVY  
**Date/Time:** 13-Nov-14 / 08:19  
**Curve Name:** Field Survey's

**Field Survey's**

WINSERVE SURVEY CALCULATIONS  
*Minimum Curvature Method*  
*Vertical Section Plane .00*  
*Vertical Section Referenced to Wellhead*  
*Rectangular Coordinates Referenced to Wellhead*

<i>Measured Depth FT</i>	<i>Incl Angle Deg</i>	<i>Drift Direction Deg</i>	<i>True Vertical Depth</i>	<i>N-S FT</i>	<i>E-W FT</i>	<i>Vertical Section FT</i>	<i>C L O S U R E</i>		<i>Dogleg Severity Deg/100</i>	<i>Course Length FT</i>
							<i>Distance FT</i>	<i>Direction Deg</i>		
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	
1104.00	.80	8.00	1103.96	7.63	1.07	7.63	7.71	8.00	.07	1104.00
1232.00	.50	41.60	1231.96	8.93	1.57	8.93	9.07	9.95	.37	128.00
1361.00	.40	54.20	1360.95	9.62	2.31	9.62	9.89	13.49	.11	129.00
1489.00	.60	155.10	1488.95	9.27	2.95	9.27	9.73	17.66	.61	128.00
1617.00	.70	162.00	1616.94	7.92	3.48	7.92	8.65	23.69	.10	128.00
1746.00	.50	201.50	1745.93	6.65	3.51	6.65	7.52	27.85	.35	129.00
1874.00	.60	196.80	1873.93	5.49	3.11	5.49	6.31	29.58	.09	128.00
2002.00	.80	180.00	2001.92	3.95	2.92	3.95	4.91	36.46	.22	128.00
2131.00	.30	248.10	2130.91	2.92	2.61	2.92	3.92	41.71	.58	129.00
2259.00	.40	196.30	2258.91	2.37	2.17	2.37	3.21	42.47	.25	128.00
2387.00	.30	207.00	2386.91	1.64	1.89	1.64	2.51	49.03	.09	128.00
2516.00	.30	168.30	2515.91	1.01	1.81	1.01	2.07	60.76	.15	129.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100	Course Length FT
							Distance FT	Direction Deg		
2644.00	.40	153.90	2643.91	.28	2.07	.28	2.09	82.23	.10	128.00
2772.00	.60	162.90	2771.90	-.76	2.47	-.76	2.58	107.11	.17	128.00
2901.00	.70	170.40	2900.89	-2.18	2.80	-2.18	3.55	127.96	.10	129.00
3029.00	.40	182.00	3028.89	-3.40	2.91	-3.40	4.48	139.42	.25	128.00
3158.00	.30	166.70	3157.88	-4.18	2.97	-4.18	5.13	144.56	.11	129.00
3286.00	.30	81.70	3285.88	-4.46	3.38	-4.46	5.59	142.80	.32	128.00
3414.00	.20	186.20	3413.88	-4.63	3.69	-4.63	5.92	141.45	.31	128.00
3543.00	.90	216.40	3542.87	-5.67	3.06	-5.67	6.44	151.61	.57	129.00
3671.00	.40	298.70	3670.87	-6.26	2.08	-6.26	6.60	161.67	.73	128.00
3799.00	.50	272.60	3798.86	-6.02	1.13	-6.02	6.13	169.42	.18	128.00
3928.00	.90	249.30	3927.85	-6.36	-.38	-6.36	6.37	183.46	.37	129.00
4056.00	.40	275.10	4055.85	-6.67	-1.77	-6.67	6.90	194.86	.44	128.00
4184.00	.50	255.20	4183.84	-6.77	-2.76	-6.77	7.31	202.13	.14	128.00
4313.00	1.10	233.90	4312.83	-7.65	-4.30	-7.65	8.77	209.35	.51	129.00
4441.00	1.20	211.80	4440.80	-9.51	-6.00	-9.51	11.24	212.24	.35	128.00
4569.00	1.30	224.60	4568.77	-11.68	-7.72	-11.68	14.01	213.47	.23	128.00
4697.00	1.40	208.70	4696.74	-14.09	-9.49	-14.09	16.99	213.98	.30	128.00
4912.00	1.10	212.00	4911.69	-18.14	-11.85	-18.14	21.67	213.15	.14	215.00
5040.00	1.30	215.80	5039.66	-20.36	-13.35	-20.36	24.35	213.25	.17	128.00
5167.00	1.00	201.90	5166.63	-22.56	-14.61	-22.56	26.88	212.92	.32	127.00
5296.00	1.40	177.60	5295.61	-25.18	-14.96	-25.18	29.29	210.72	.50	129.00
5424.00	1.60	164.10	5423.56	-28.46	-14.41	-28.46	31.90	206.85	.32	128.00
5552.00	1.40	177.70	5551.52	-31.74	-13.85	-31.74	34.63	203.58	.32	128.00
5681.00	1.60	184.20	5680.48	-35.11	-13.92	-35.11	37.77	201.63	.20	129.00
5809.00	1.70	182.00	5808.42	-38.79	-14.12	-38.79	41.28	200.00	.09	128.00
5937.00	1.90	177.40	5936.36	-42.81	-14.09	-42.81	45.07	198.22	.19	128.00
6065.00	2.00	184.80	6064.28	-47.15	-14.18	-47.15	49.24	196.74	.21	128.00
6194.00	1.70	172.80	6193.22	-51.29	-14.13	-51.29	53.21	195.40	.38	129.00
6322.00	1.40	182.60	6321.17	-54.74	-13.96	-54.74	56.49	194.31	.31	128.00
6451.00	1.70	184.80	6450.12	-58.22	-14.19	-58.22	59.93	193.70	.24	129.00
6579.00	1.60	179.90	6578.07	-61.90	-14.35	-61.90	63.54	193.05	.14	128.00
6707.00	1.60	172.20	6706.02	-65.46	-14.10	-65.46	66.96	192.16	.17	128.00
6835.00	1.40	166.50	6833.98	-68.75	-13.50	-68.75	70.06	191.11	.19	128.00
6963.00	1.50	169.60	6961.94	-71.92	-12.83	-71.92	73.05	190.11	.10	128.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100	Course Length FT
							Distance FT	Direction Deg		
<b>Pprojection To TD</b>										
7055.00	1.50	169.60	7053.90	-74.29	-12.39	-74.29	75.31	189.47	.00	92.00