



Crescent Point Energy U.S. Corp  
**Gray 2-17-3-1E**  
 NW/NE of Section 17, T3S, R1E, USB&M  
 767' FNL & 1985' 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	4756'
Mahogany	5312'
Garden Gulch (TGR3)	6424'
Douglas Creek	7473'
Black Shale	7880'
Castle Peak	8015'
Uteland	8291'
Wasatch	8417'
TD	9417'

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

Green River Formation (Oil) 4,756' – 8,417'  
 Wasatch Formation (Oil) 8,417' – 9,417'

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 9-5/8" Hole Size 12-1/4"</b>	0'	2,500'	36	J-55	STC	3,520 1,013 3.48	2,020 1,741 1.16	423,000 90,000 4.70	API Load SF
<b>Prod casing 5-1/2" Hole Size 7- 7/8"</b>	0'	9,417'	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	2500' - surface	Class V 2% chlorides	75%	1207	15.8	1.15
Prod casing Lead	4756' to Surface	Hifill Class V 3% chlorides	25% in open-hole, 0% in cased hole	317	10.5	3.66
Prod casing Tail	TD to 4756'	Class G 10% chlorides	15%	566	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 9-5/8" 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  $\pm 2500'$  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  $\pm 2500'$  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

When drilling the 12 ¼" surface hole, an annular diverter or rotating head will be used for well 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

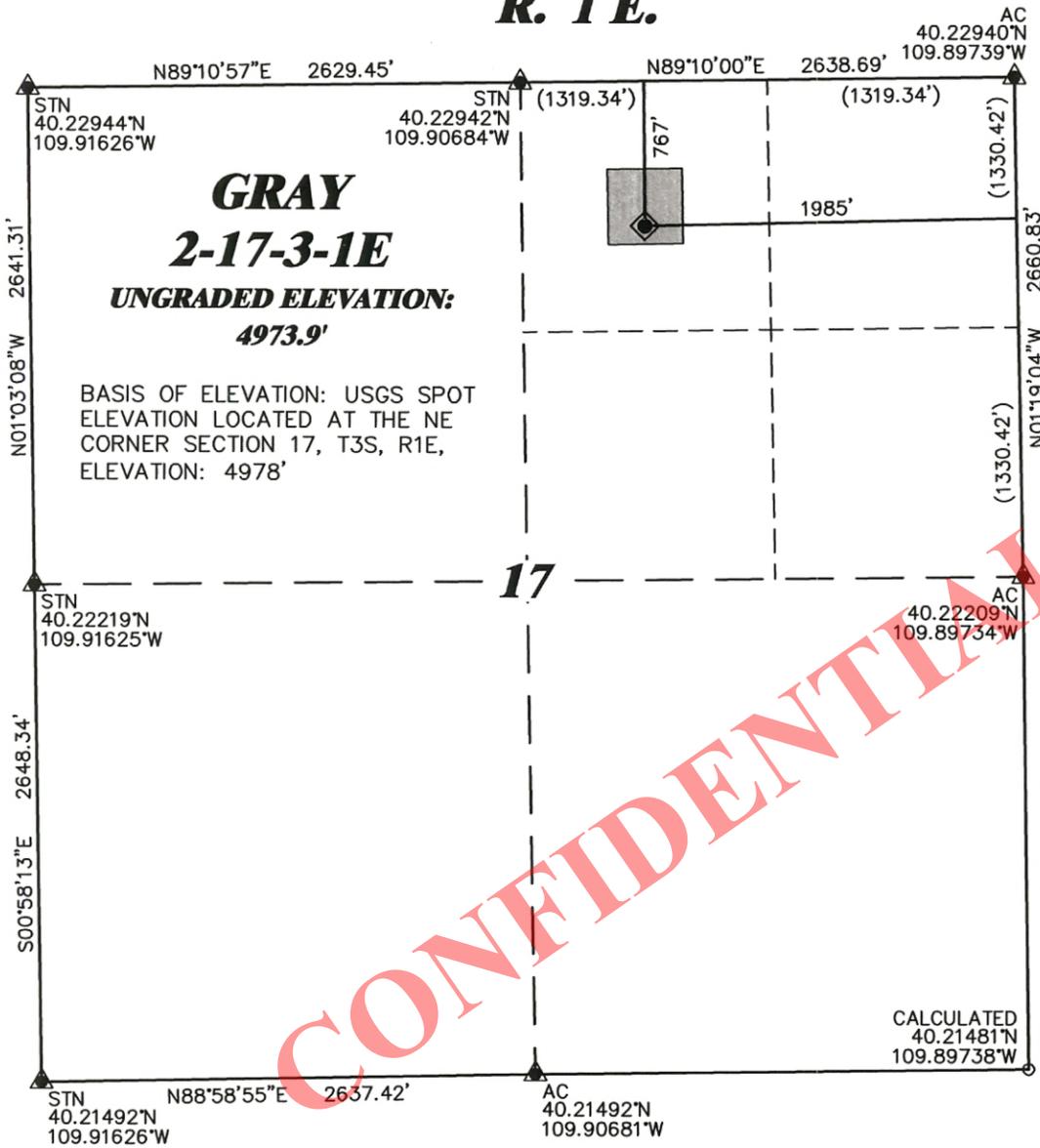
It is anticipated that drilling operations will commence as soon as possible following permit approval and will take approximately ten (10) days from spud to rig release and two weeks for completions.

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)

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**R. 1 E.**



SCALE 1" = 1000'  
GRID NORTH

**T. 3 S.**

**DRAWING DATUM**  
SPCS UTC (NAD27)  
**SHL**  
**NORTHING (NAD27)**  
693834.53  
**EASTING (NAD27)**  
2445668.78

**LATITUDE (NAD83)**  
NORTH 40.227308 DEG.  
**LONGITUDE (NAD83)**  
WEST 109.904481 DEG.

**UTM**  
(ZONE 12, METERS)  
**NORTHING (NAD83)**  
4453562.21  
**EASTING (NAD83)**  
593203.29

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**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 16th DAY OF APRIL, 2014 AND THAT THIS PLAT CORRECTLY SHOWS THE LOCATION OF GRAY 2-17-3-1E AS STAKED ON THE GROUND.

**LEGEND**

- ◆ WELL LOCATION
- CALCULATED CORNER
- ▲ PREVIOUSLY FOUND MONUMENT (LAT/LONG VALUES ARE NAD83)
- 400'x400' DRILLING WINDOW



UTAH PLS. NO. 8262603-2201

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

**PLAT OF DRILLING LOCATION IN  
NWN, SECTION 17, FOR  
CRESCENT POINT ENERGY**

DRAWN: 4/23/2014 - TCM

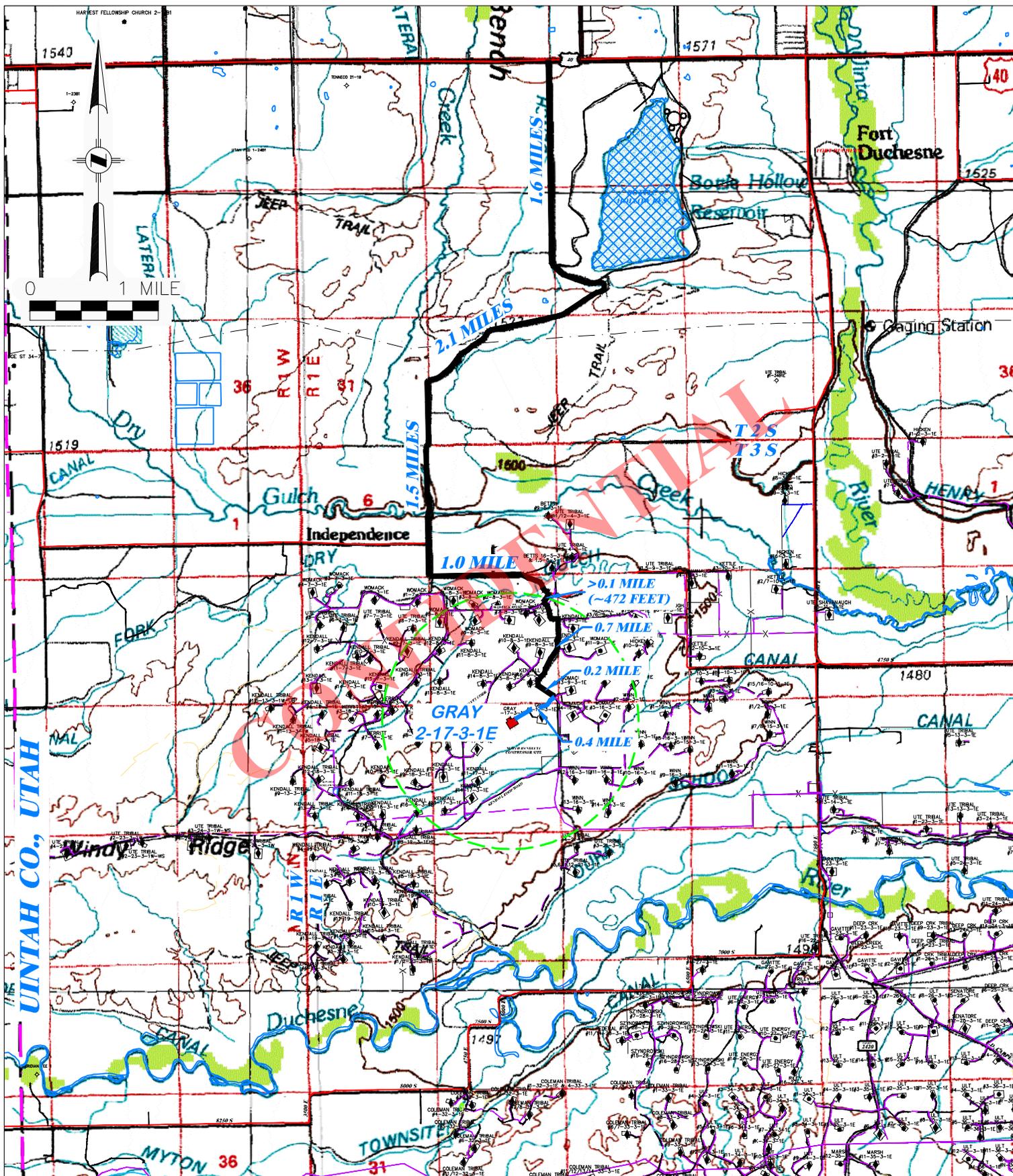
SCALE: 1" = 1000'

REVISED: N/A -

DRG JOB No. 20517

EXHIBIT 1

**767' F/NL, & 1985' F/EL, SECTION 17,  
T. 3 S., R. 1 E., U.S.M.,  
UINTAH COUNTY, UTAH**



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**PROPOSED ACCESS FOR  
 CRESCENT POINT ENERGY  
 GRAY 2-17-3-1E  
 SECTION 17, T. 3 S., R. 1 E.**

DRAWN: 4/23/2014 - TCM

SCALE: 1" = 1 MILE

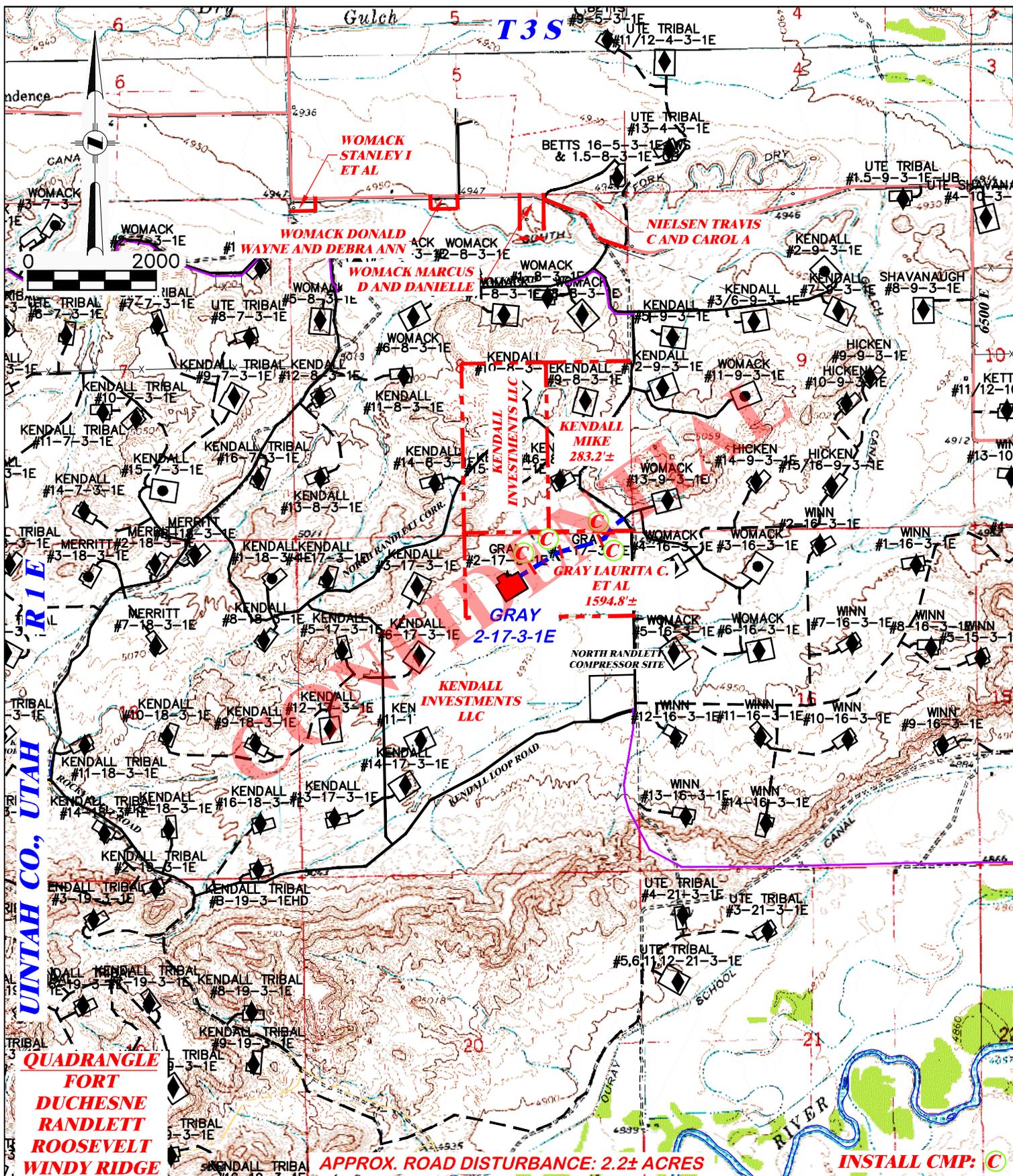
REVISED: N/A -

DRG JOB No. 20517

TOPO A

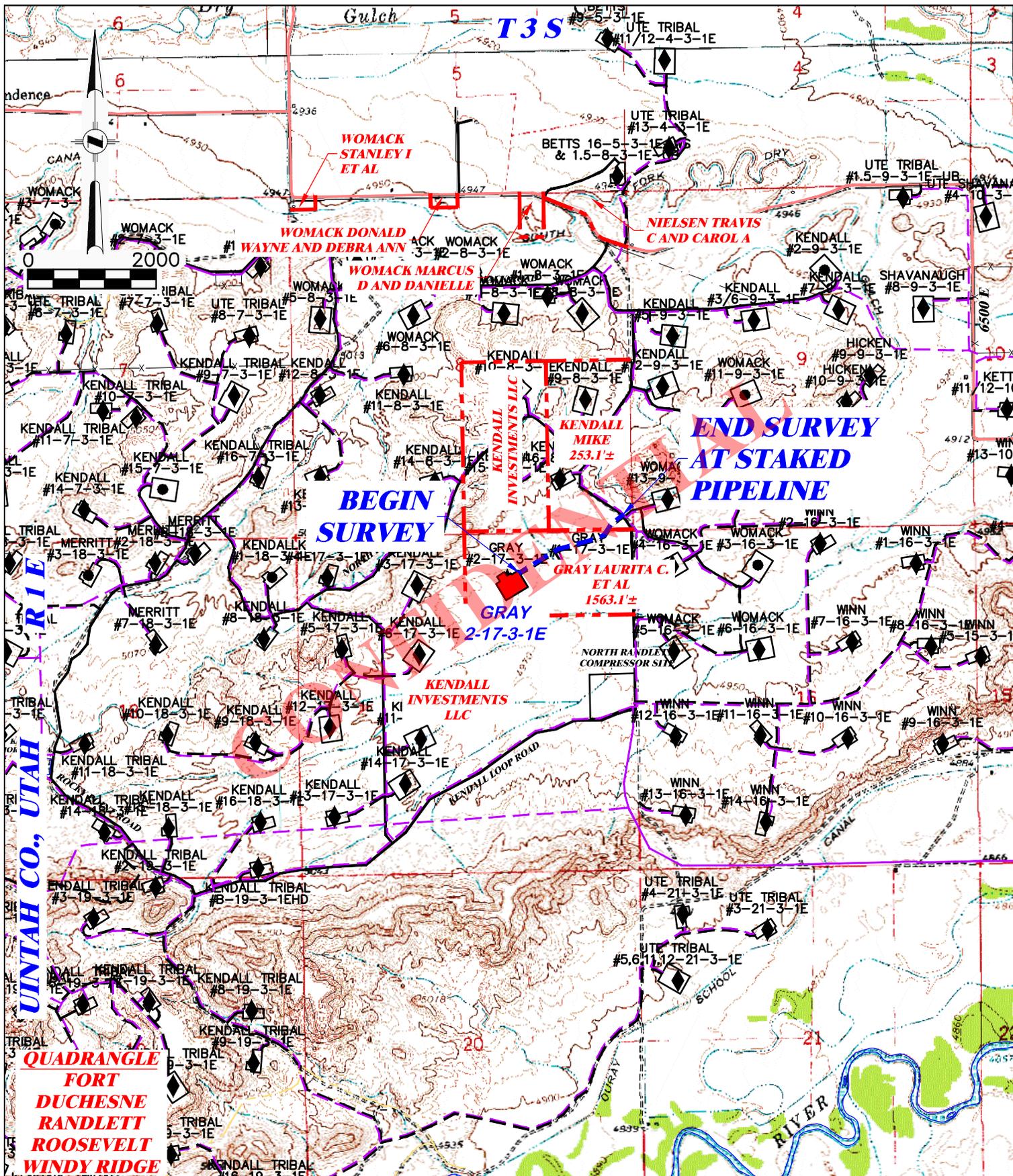
PROPOSED ROAD ————

EXISTING ROAD —————



		<p><b>PROPOSED ROAD FOR</b>  <b>CRESCENT POINT ENERGY</b>  <b>GRAY 2-17-3-1E</b>  <b>SECTION 17, T.3 S., R.1 E.</b></p>	
<p>(307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901</p>		<p>TOTAL PROPOSED LENGTH: 1878.0±</p>	
<p>DRAWN: 4/23/2014 - TCM</p>		<p>SCALE: 1" = 2000'</p>	
<p>REVISED: N/A -</p>		<p>DRG JOB No. 20517</p>	
<p>TOPO B</p>		<p>PROPOSED ROAD  EXISTING ROAD </p>	





		<p><b>PROPOSED PIPELINE FOR CRESCENT POINT ENERGY</b>  <b>GRAY 2-17-3-1E</b>  <b>SECTION 17, T.3 S., R.1 E.</b></p>	
<p>(307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901</p>		<p>TOTAL PROPOSED LENGTH: 1816.2±</p>	
<p>DRAWN: 4/23/2014 - TCM</p>		<p>SCALE: 1" = 2000'</p>	
<p>REVISED: N/A -</p>		<p>DRG JOB No. 20517</p>	
<p>TOPO D</p>		<p>PROPOSED PIPELINE  EXISTING ROAD </p>	

MEMORANDUM of SURFACE USE AGREEMENT AND GRANT OF EASEMENTS

THIS MEMORANDUM is executed by Anthony Baldwin as Manager, Land & Business Development for Crescent Point Energy U.S. Corp., authorized to do business in Utah, whose address is 555 17<sup>th</sup> St, Suite 1800, Denver, CO 80202 (hereinafter referred to as "Crescent Point" or "Operator").

WHEREAS, that certain Surface Use Agreement and Grant of Easements (the "Agreement") dated effective September 12<sup>th</sup>, 2013, has been entered into by and between Laurita C. Gray, a married women, whose address is 15625 Wet Hill Road, Nevada City, CA 95959, Darlene E. Christensen, A married Women, whose address is 333 South 160 West, Orem, Utah 84058 and Rodney L Peart, a married man, whose address is 7323 Sovereign Co., Citrus Heights, CA 95621 (hereinafter referred as to "Owner") and CRESCENT POINT ENERGY U.S. CORP., whose address is 555 17<sup>th</sup> Street, suite 1800, Denver, Colorado, 80202 ("Operator").

WHEREAS, pursuant to the Agreement, Operator is granted a non-exclusive access easement(s) for ingress and egress as needed to conduct oil and gas operations, and Operator is granted a non-exclusive pipeline easement(s), along with related appurtenances including pigging facilities, for the transportation of oil, gas, petroleum products, water, and any other substances recovered during oil and gas production.

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

TOWNSHIP 3 SOUTH, RANGE 1 EAST, UINTAH SPECIAL MERIDIAN

Section 17: N2NE4 15-017-0001

WHEREAS, for an agreed upon monetary consideration, Operator may construct the necessary well site pads ("Well Pads") for drilling, completion, re-completion, reworking, re-entry, production, maintenance and operation of oil and gas wells on the Property. Crescent Point, 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, 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 oil, gas and associated hydrocarbons.

WHEREAS, Operator has the right to a non-exclusive access 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 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, the Agreement contains various other terms, provisions and conditions, all of which are incorporated herein by reference, and made a part hereof in all respects as though the same were fully set forth herein. Executed copies of the Agreement are in the possession of the Owner and Operator.

WHEREAS, this Agreement shall run with the land and be binding upon and inure to the benefit of the parties and their respective heirs, successors and assigns as stated in the 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 22 day of May, 2014

  
Anthony Baldwin  
Manager, Land & Business Development

ACKNOWLEDGEMENT

STATE OF COLORADO     )  
                                  } ss  
COUNTY OF DENVER     )

The foregoing instrument was acknowledged before me by Anthony Baldwin as Manager, Land & Business Development for Crescent Point Energy U.S. Corp., this 19<sup>TH</sup> day of JUNE, 2014.

JORDAN DORN WELLS  
Notary Public

Notary Seal:

My Commission expires:  
02/29/2016



**CONFIDENTIAL**

Entry 2014005917  
Book 1386 Page 518-519 \$12.00  
26-JUN-14 11:22  
RANDY SIMMONS  
RECORDER, UINTAH COUNTY, UTAH  
CRESCENT POINT ENERGY US CORP \*  
555 17TH ST STE 750 DENVER CO 80202  
Rec By: HEATHER COON , DEPUTY

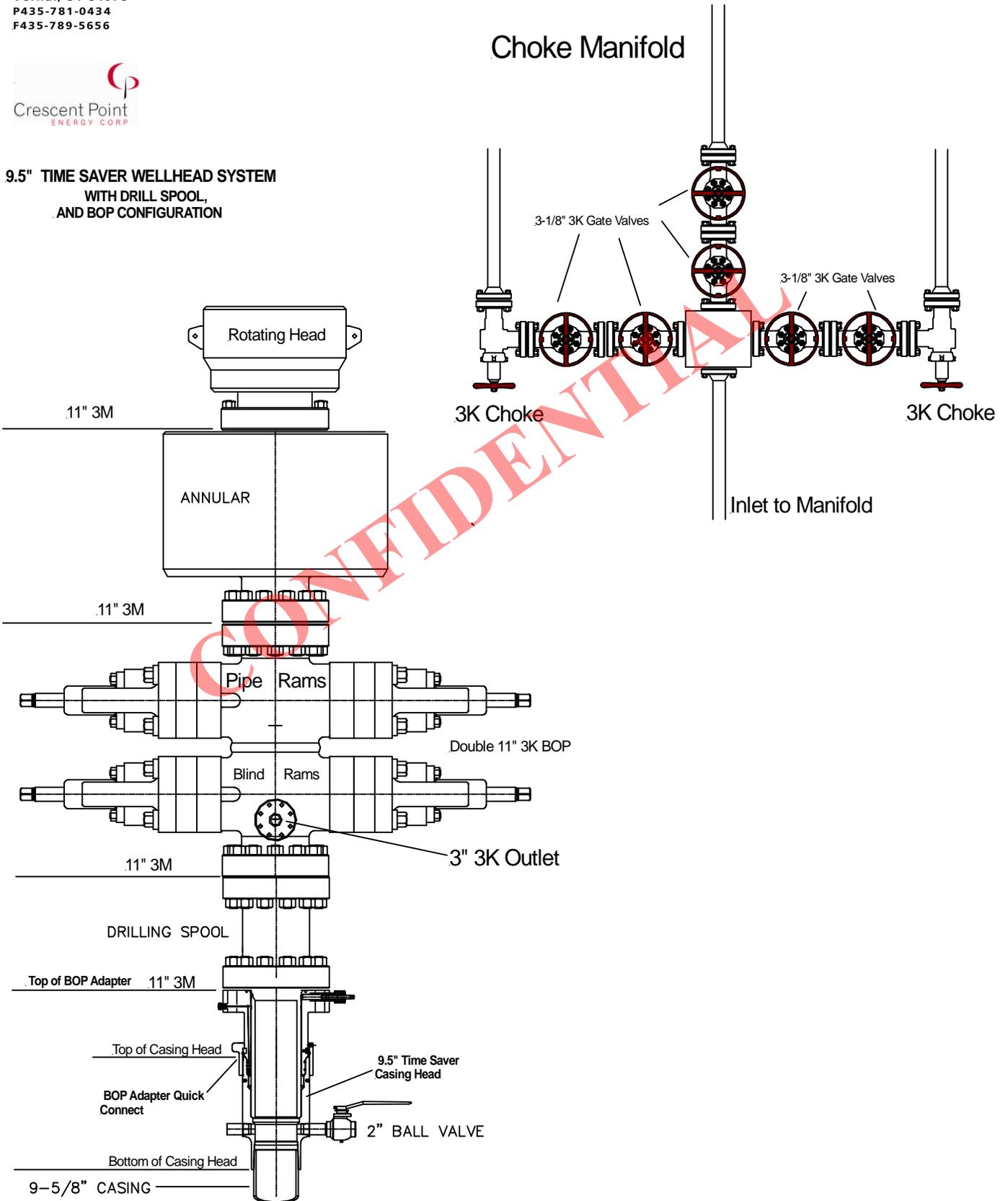


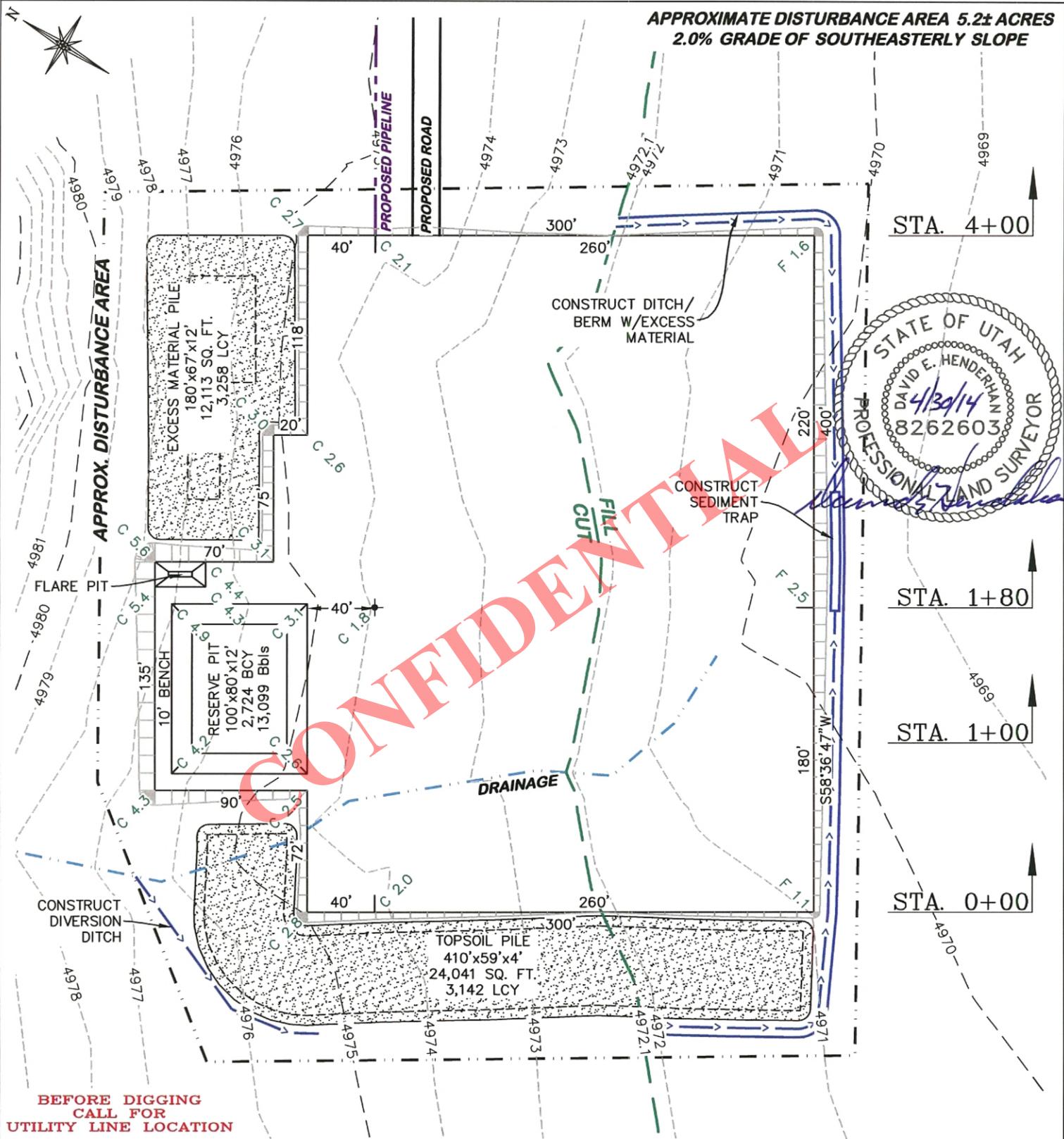
519 E. 300 S.  
Vernal, UT 84078  
P435-781-0434  
F435-789-5656

Oct, 18, 2013



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





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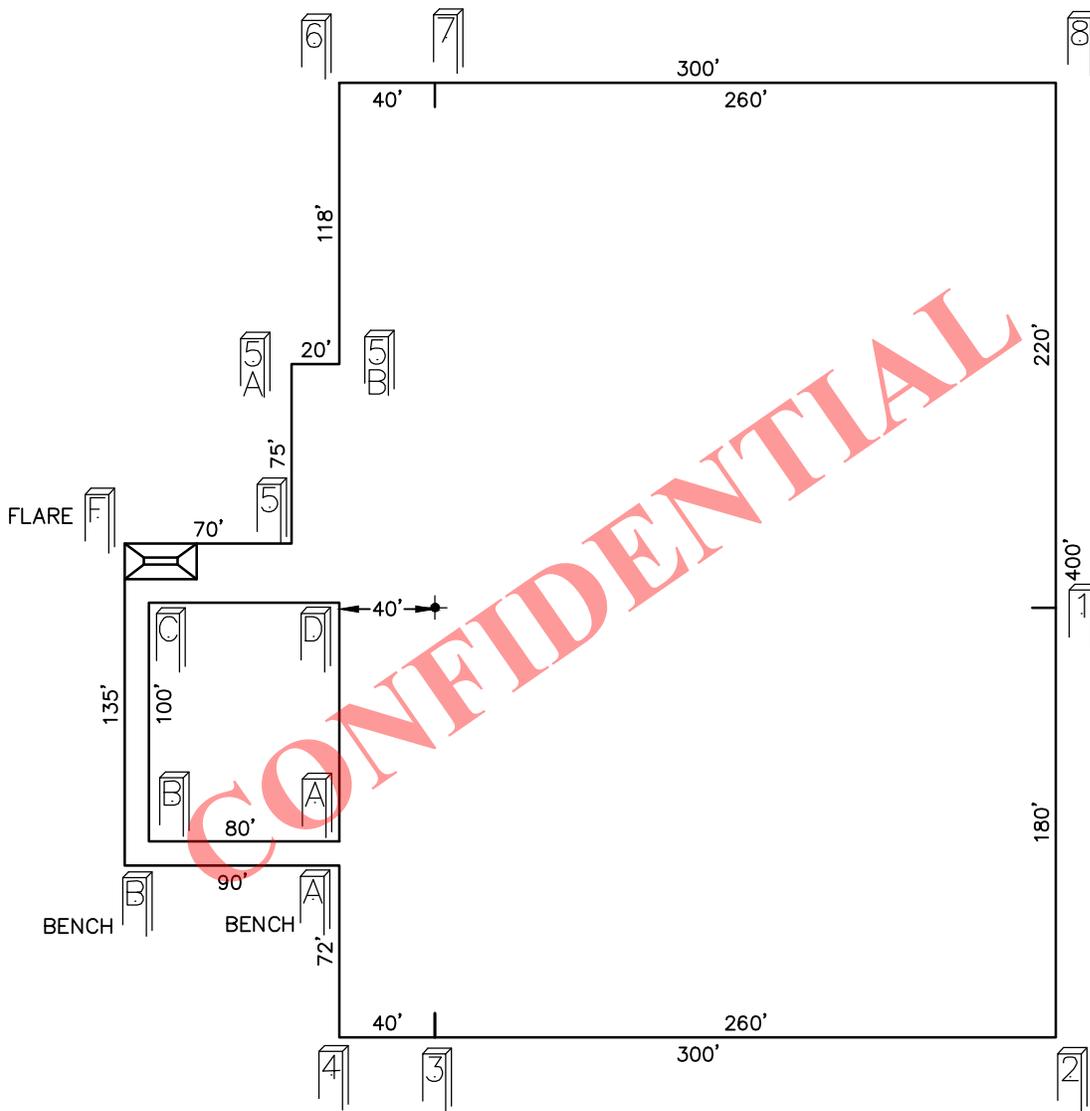
**DRAWN: 4/23/2014 - TCM**      **SCALE: 1" = 80'**

**REVISED: N/A -**      **DRG JOB No. 20517**

**FIGURE 1**

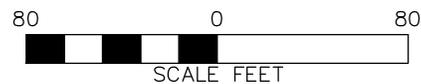
**CRESCENT POINT ENERGY**  
**GRAY 2-17-3-1E**  
**SECTION 17, T. 3 S., R. 1 E.**

**UNGRADED ELEVATION: 4973.9'**  
**FINISHED ELEVATION: 4972.1'**



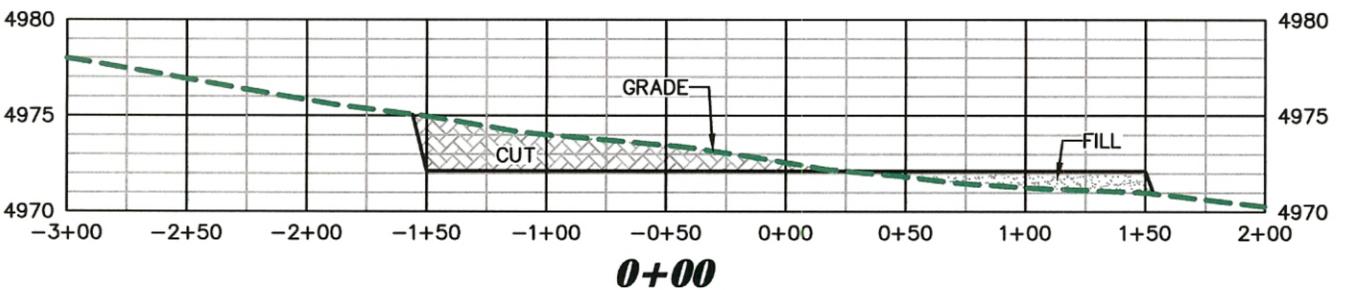
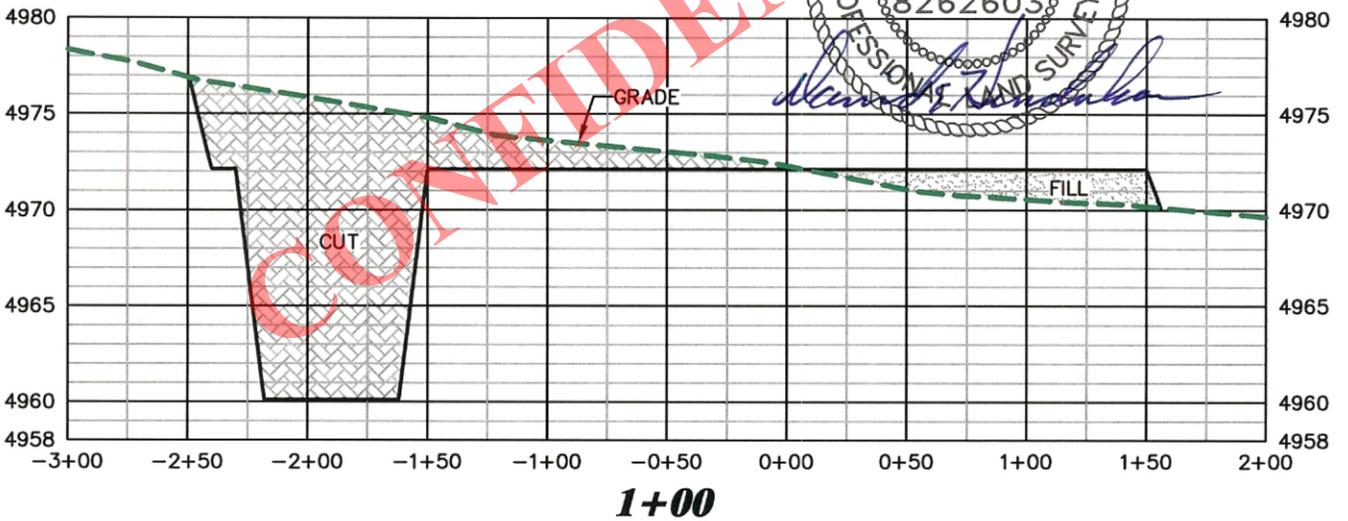
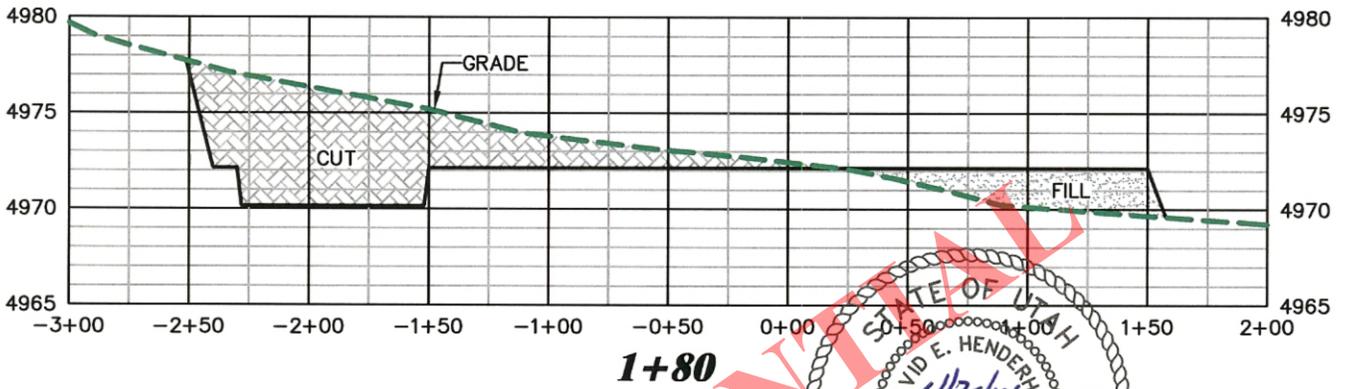
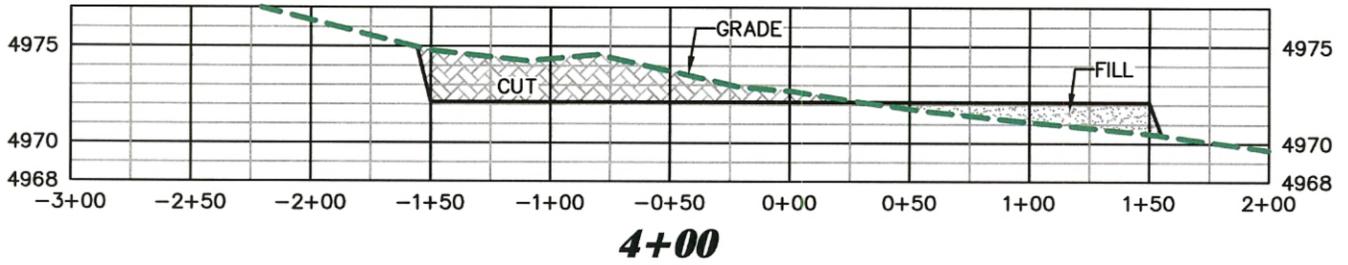
**BEFORE DIGGING  
CALL FOR  
UTILITY LINE LOCATION**

NOTE: THE INFORMATION SHOWN ON THIS PAGE IS CONCEPTUAL. QUANTITIES REPORTED ARE ESTIMATED AND APPROXIMATED AND SHALL BE USED BY OTHERS ACCORDINGLY.



 <b>DRG RIFFIN &amp; ASSOCIATES, INC.</b> (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901	
DRAWN: 4/23/2014 - TCM	SCALE: 1" = 80'
REVISED: N/A - .	DRG JOB No. 20517
	FIGURE 1A

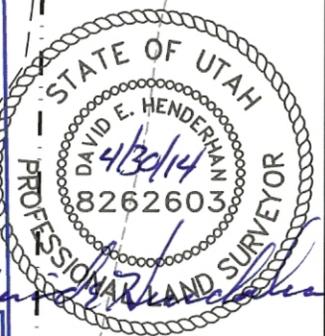
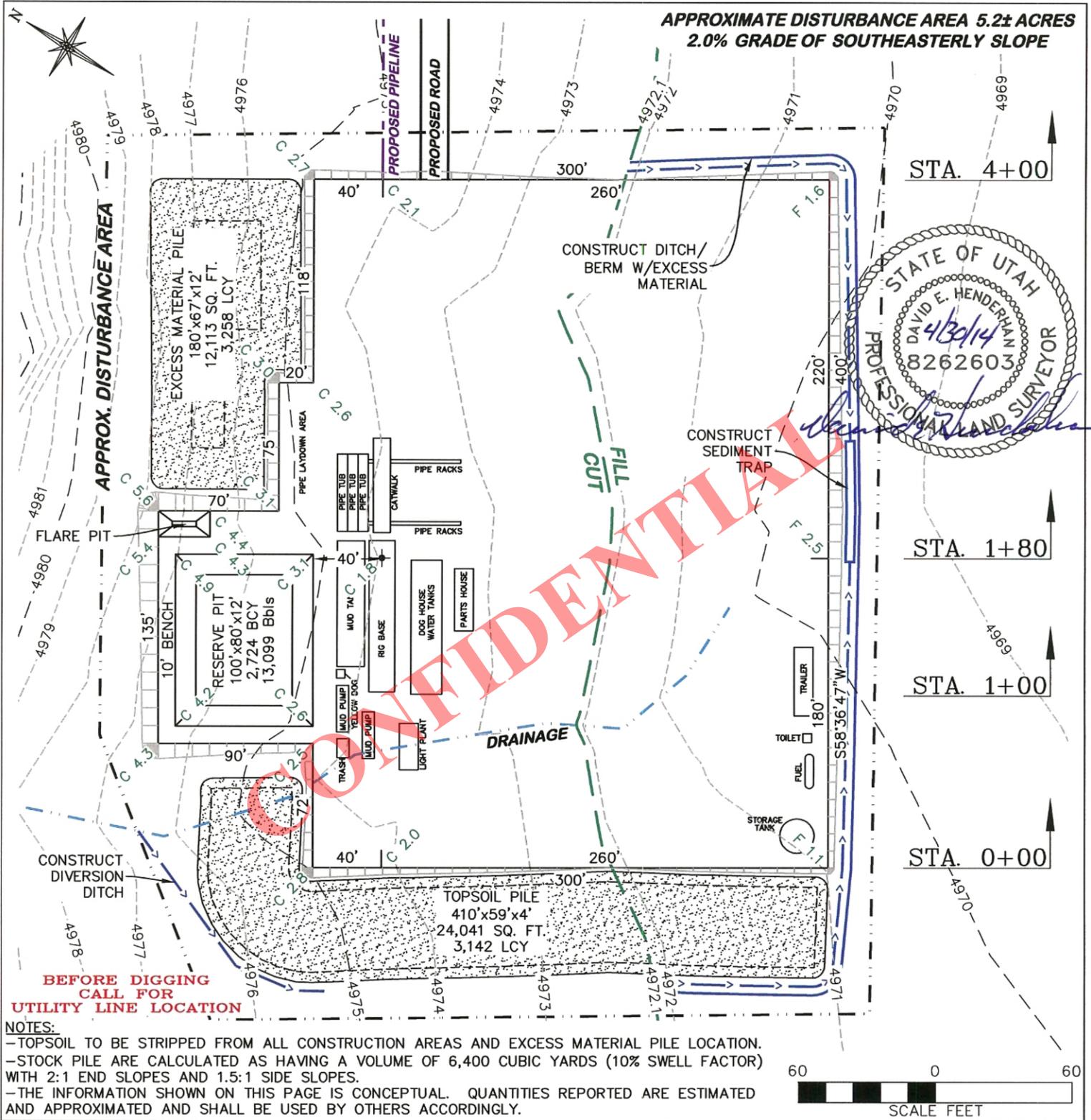
<p align="center"><b>PAD LAYOUT</b>  <b>CRESCENT POINT ENERGY</b>  <b>GRAY 2-17-3-1E</b>  <b>SECTION 17, T. 3 S., R. 1 E.</b></p>
UNGRADED ELEVATION: 4973.9' FINISHED ELEVATION: 4972.1'



 <p><b>DRG RIFFIN &amp; ASSOCIATES, INC.</b>          (307) 382-5028 1414 ELK ST., ROCK SPRINGS, WY 82901</p>	
DRAWN: 4/23/2014 - TCM	SCALE: HORZ 1" = 80' VERT 1" = 10'
REVISED: N/A -	DRG JOB No. 20517
FIGURE 2	

**CRESCENT POINT ENERGY**  
**GRAY 2-17-3-1E**  
**SECTION 17, T. 3 S., R. 1 E.**

UNGRADED ELEVATION: 4973.9'  
 FINISHED ELEVATION: 4972.1'



**NOTES:**  
 -TOPSOIL TO BE STRIPPED FROM ALL CONSTRUCTION AREAS AND EXCESS MATERIAL PILE LOCATION.  
 -STOCK PILE ARE CALCULATED AS HAVING A VOLUME OF 6,400 CUBIC YARDS (10% SWELL FACTOR) WITH 2:1 END SLOPES AND 1.5:1 SIDE SLOPES.  
 -THE INFORMATION SHOWN ON THIS PAGE IS CONCEPTUAL. QUANTITIES REPORTED ARE ESTIMATED AND APPROXIMATED AND SHALL BE USED BY OTHERS ACCORDINGLY.

ESTIMATED EARTHWORK BANK					ESTIMATED EARTHWORK LOOSE (10% SWELL)				
ITEM	TOPSOIL	CUT	FILL	EXCESS	ITEM	TOPSOIL	CUT	FILL	EXCESS
PAD	2,856 BCY	2,514 BCY	2,504 BCY	10 BCY	PAD	3,142 LCY	2,765 LCY	2,504 LCY	261 LCY
PIT		2,724 BCY		2,724 BCY	PIT		2,996 LCY		2,996 LCY
<b>TOTALS</b>	<b>2,856 BCY</b>	<b>5,238 BCY</b>	<b>2,504 BCY</b>	<b>2,734 BCY</b>	<b>TOTALS</b>	<b>3,142 LCY</b>	<b>5,762 LCY</b>	<b>2,504 LCY</b>	<b>3,258 LCY</b>

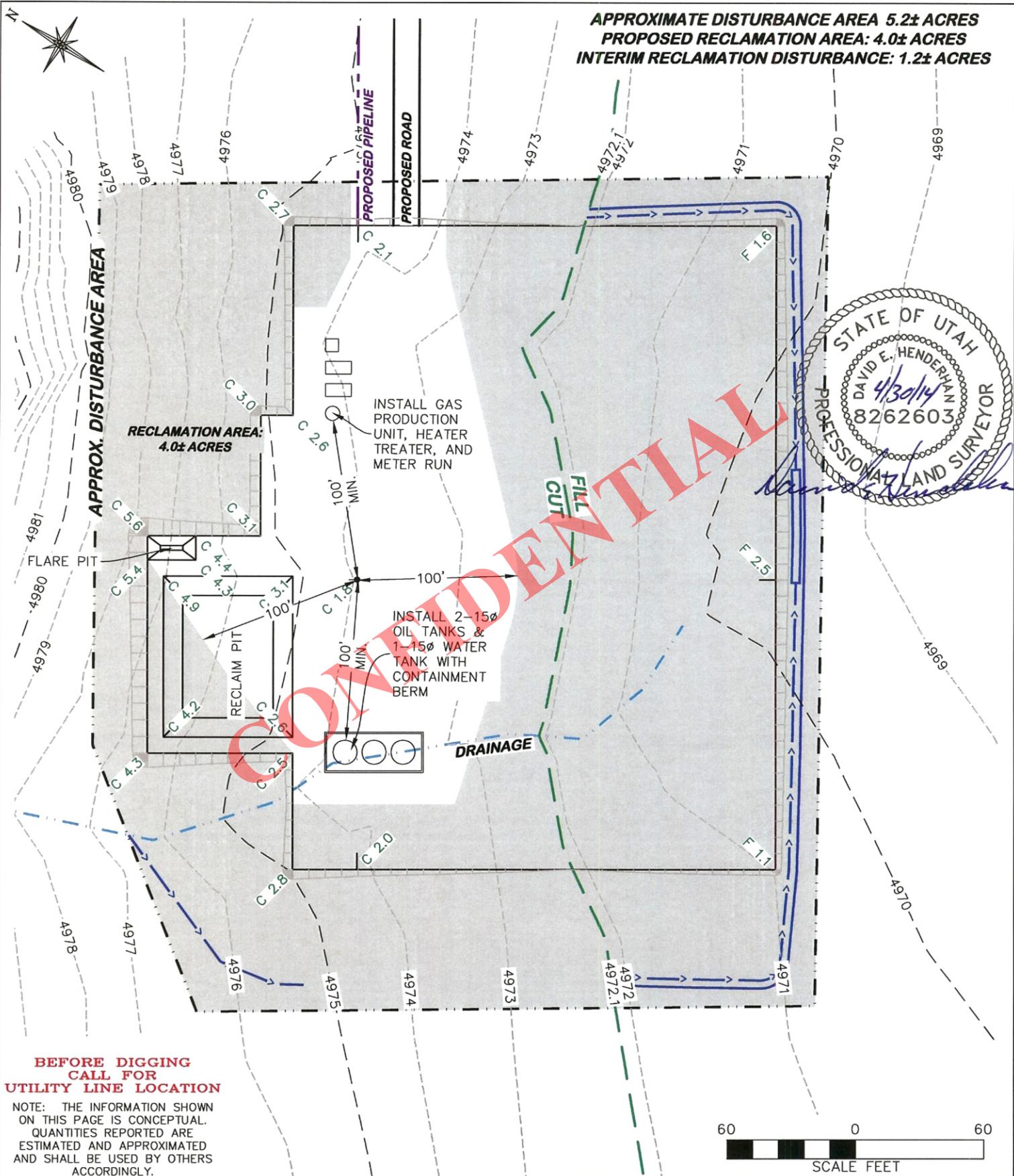
**DRG RIFFIN & ASSOCIATES, INC.**  
 1414 ELK ST., ROCK SPRINGS, WY 82901  
 (307) 382-5028

DRAWN: 4/23/2014 - TCM      SCALE: 1" = 80'  
 REVISED: N/A -      DRG JOB No. 20517

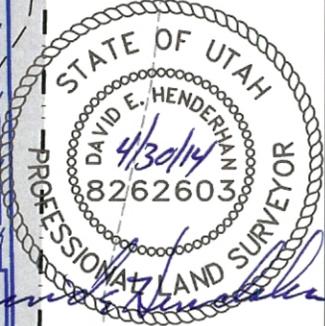
FIGURE 3

**CRESCENT POINT ENERGY**  
**GRAY 2-17-3-1E**  
**SECTION 17, T. 3 S., R. 1 E.**

UNGRADED ELEVATION: 4973.9'  
 FINISHED ELEVATION: 4972.1'



**APPROXIMATE DISTURBANCE AREA 5.2± ACRES**  
**PROPOSED RECLAMATION AREA: 4.0± ACRES**  
**INTERIM RECLAMATION DISTURBANCE: 1.2± ACRES**



**BEFORE DIGGING  
 CALL FOR  
 UTILITY LINE LOCATION**

NOTE: THE INFORMATION SHOWN ON THIS PAGE IS CONCEPTUAL. QUANTITIES REPORTED ARE ESTIMATED AND APPROXIMATED AND SHALL BE USED BY OTHERS ACCORDINGLY.



 <b>DRG RIFFIN &amp; ASSOCIATES, INC.</b> (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901		<b>PROPOSED INTERIM RECLAMATION</b> <b>CRESCENT POINT ENERGY</b> <b>GRAY 2-17-3-1E</b> <b>SECTION 17, T. 3 S., R. 1 E.</b>	
		UNGRADED ELEVATION: 4973.9' FINISHED ELEVATION: 4972.1'	
DRAWN: 4/23/2014 - TCM	SCALE: 1" = 80'		
REVISED: N/A -	DRG JOB No. 20517		
		FIGURE 4	



Well Name	CRESCENT POINT ENERGY U.S. CORP Gray 2-17-3-1E 430475471600			
String	Cond	Surf	Prod	
Casing Size(")	16.000	9.625	5.500	
Setting Depth (TVD)	40	2500	9417	
Previous Shoe Setting Depth (TVD)	0	40	2500	
Max Mud Weight (ppg)	8.3	8.3	10.0	
BOPE Proposed (psi)	0	500	3000	
Casing Internal Yield (psi)	1000	3520	7740	
Operators Max Anticipated Pressure (psi)	4897		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

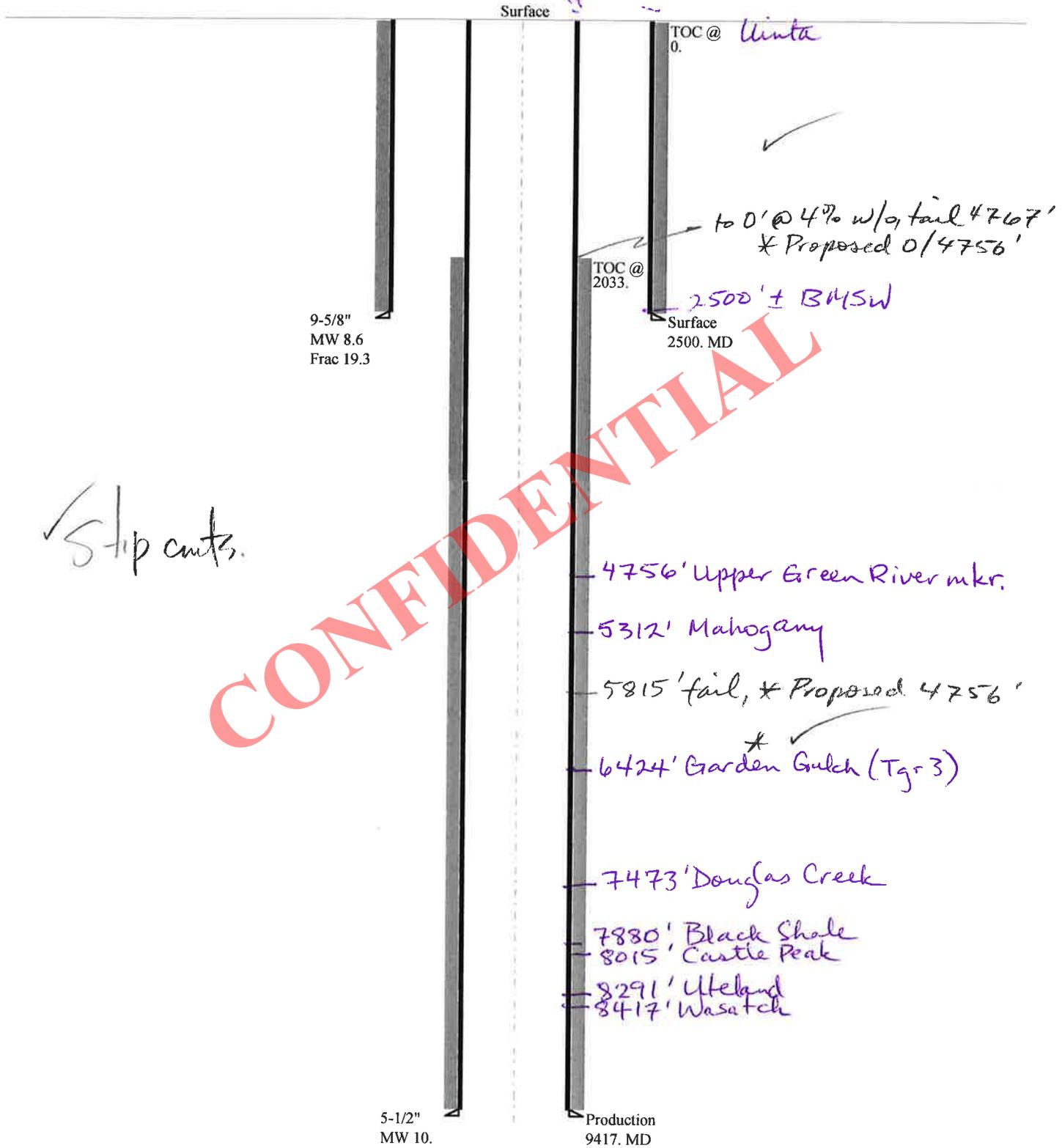
Calculations	Surf String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1079	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	779	NO diverter or rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	529	NO OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	538	NO OK
Required Casing/BOPE Test Pressure=		2464	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=	4897	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3767	NO 3M BOPE annular, rotating head, dbl rams, drilling
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2825	YES spool, choke & kill lines
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3375	NO OK
Required Casing/BOPE Test Pressure=		3000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2500	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

# 43047547160000 Gray 2-17-3-1

## Casing Schematic



Well name:	<b>43047547160000 Gray 2-17-3-1</b>	
Operator:	<b>CRESCENT POINT ENERGY U.S. CORP</b>	
String type:	Surface	Project ID: 43-047-54716
Location:	UINTAH COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 8.600 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: 109 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

**Burst**

Max anticipated surface pressure: 2,200 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 2,500 psi

No backup mud specified.

**Burst:**

Design factor 1.00

Cement top: Surface

**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.**

**Re subsequent strings:**

Next setting depth: 9,417 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 4,892 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 2,500 ft  
Injection pressure: 2,500 psi

Tension is based on buoyed weight.  
Neutral point: 2,182 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	2500	9.625	36.00	J-55	ST&C	2500	2500	8.796	21730
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	1117	2020	1.809	2500	3520	1.41	78.5	394	5.02 J

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

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

Date: October 29, 2014  
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2500 ft, a mud weight of 8.6 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>43047547160000 Gray 2-17-3-1</b>	
Operator:	<b>CRESCENT POINT ENERGY U.S. CORP</b>	
String type:	Production	Project ID: 43-047-54716
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: 206 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

**Burst:**

Design factor 1.00

Cement top: 2,033 ft

**Burst**

Max anticipated surface pressure: 2,820 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 4,892 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: 7,989 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	9417	5.5	17.00	E-80	LT&C	9417	9417	4.767	310761
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	4892	6290	1.286	4892	7740	1.58	135.8	320	2.36 J

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

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

Date: October 23, 2014  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 9417 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** Gray 2-17-3-1E  
**API Number** 43047547160000      **APD No** 10233    **Field/Unit** INDEPENDENCE  
**Location: 1/4,1/4NWNE**    **Sec** 17    **Tw** 3.0S    **Rng** 1.0E    767 FNL 1985 FEL  
**GPS Coord (UTM)** 593203 4453562      **Surface Owner** Laurita C. Gray

### Participants

Don Hamilton - Starpoint; Mark Hecksel - Crescent Point; Scott Bonner, Richard Sanchez - DR Griffin

### Regional/Local Setting & Topography

This location is planned in the Windy ridge area east of the County line and the historic town of Enterprise on the Womack Daddy road. The bottle hollow reservoir is found 4 miles North and the Duchesne River is found 2 miles South of location. The Ouray school canal and associated laterals are found nearby.

Regionally the surrounding lands are rather flat with the occasional butte and erosional features. The soils seem to be lean clays and silts that are sparsely vegetated. The area is well developed for petroleum extraction.

### Surface Use Plan

#### **Current Surface Use**

Agricultural  
Wildlife Habitat

#### **New Road Miles**

0.4

#### **Well Pad**

**Width** 300    **Length** 400

#### **Src Const Material**

Onsite

#### **Surface Formation**

UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?**      Y

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

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

Dominant vegetation;  
mustard and halogeton weeds

Wildlife;

Adjacent habitat contains forbs that may be suitable browse for deer, antelope, prairie dogs or rabbits, though none were observed. Disturbed soils onsite do not support habitat for wildlife.

#### **Soil Type and Characteristics**

historically cultivated silty lean clays

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

<b>Distance to Groundwater (feet)</b>	100 to 200	5	
<b>Distance to Surface Water (feet)</b>	>1000	0	
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0	
<b>Distance to Other Wells (feet)</b>	>1320	0	
<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	
<b>Affected Populations</b>			
<b>Presence Nearby Utility Conduits</b>	Not Present	0	
	<b>Final Score</b>	20	1 Sensitivity Level

**Characteristics / Requirements**

A 60' x 100' reserve pit is planned in an area of cut. 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**Chris Jensen  
Evaluator10/1/2014  
Date / Time

**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
10233	43047547160000	LOCKED	OW	P	No
<b>Operator</b>	CRESCENT POINT ENERGY U.S. CORP		<b>Surface Owner-APD</b>	Laurita C. Gray	
<b>Well Name</b>	Gray 2-17-3-1E		<b>Unit</b>		
<b>Field</b>	INDEPENDENCE		<b>Type of Work</b>	DRILL	
<b>Location</b>	NWNE 17 3S 1E U 767 FNL 1985 FEL GPS Coord (UTM) 593203E 4453556N				

**Geologic Statement of Basis**

Crescent Point proposes to set 40 feet of conductor and 2,000' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 2,500'. A search of Division of Water Rights records shows 2 water wells within a 10,000 foot radius of the center of Section 17. Depth is listed for only 1 well at 300 feet. Listed uses are domestic, irrigation 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. Cement for the production string should be brought up above the base of the moderately saline groundwater in order to isolate fresher waters uphole.

Brad Hill  
APD Evaluator

10/2/2014  
Date / Time

**Surface Statement of Basis**

Location is proposed in a good location within the spacing window. Access road enters the pad from the west. The landowner or its representative was not in attendance for the pre-site inspection.

The soil type and topography at present do not 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.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. Stone foundations, fencing, glass and other refuse were found on adjacent 1/4 1/4. No riparian area were found adjacent 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 NHPA, ESA and MBTA and that actions insure no improper disturbance to resources 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.

Chris Jensen  
Onsite Evaluator

10/1/2014  
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 entering or leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

**CONFIDENTIAL**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 9/4/2014

API NO. ASSIGNED: 43047547160000

WELL NAME: Gray 2-17-3-1E

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

PHONE NUMBER: 720 880-3644

CONTACT: Emily Kate DeGrasse

PROPOSED LOCATION: NWNE 17 030S 010E

Permit Tech Review: 

SURFACE: 0767 FNL 1985 FEL

Engineering Review: 

BOTTOM: 0767 FNL 1985 FEL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.22725

LONGITUDE: -109.90448

UTM SURF EASTINGS: 593203.00

NORTHINGS: 4453556.00

FIELD NAME: INDEPENDENCE

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

PROPOSED PRODUCING FORMATION(S): 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: 43-12534
- 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) - hmacdonald  
 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:** Gray 2-17-3-1E  
**API Well Number:** 43047547160000  
**Lease Number:** FEE  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 11/6/2014

**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 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 lead cement from the pipe setting depth back to surface and tail cement to upper Green River marker as indicated in the submitted drilling plan.

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 "John 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> Gray 2-17-3-1E
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>9. API NUMBER:</b> 43047547160000
<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> INDEPENDENCE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0767 FNL 1985 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 17 Township: 03.0S Range: 01.0E Meridian: U		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<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: 3/11/2015  <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 Gray 2-17-3-1E with PETE MARTIN RIG #17 on 3/11/15 at 9:30am.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 11, 2015</b>		
<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> 3/11/2015	

<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: Gray 2-17-3-1E
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP	9. API NUMBER: 43047547160000
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: 0767 FNL 1985 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 17 Township: 03.0S Range: 01.0E Meridian: U	9. FIELD and POOL or WILDCAT: INDEPENDENCE
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>3/15/2015</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<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.

Crescent Point Energy requests to change from a single density surface cement job (2,500' of 15.8 ppg cement) to a dual density surface cement job (500' tail of 15.8 ppg and 2000' lead of 12.0 ppg) in order to reduce hydrostatic pressure in order to achieve cement returns to surface. Please see the table attached for complete cement details from our original design and proposed design

**Approved by the**  
**March 12, 2015**  
**Oil, Gas and Mining**

Date: \_\_\_\_\_  
 By: \_\_\_\_\_

<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> 3/12/2015	

## Original Design:

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
Surface casing	2500' - surface	Class V 2% chlorides	75%	1207	15.8	1.15

## Proposed Design

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
Surface casing Lead	2000' - surface	Class V 2% chlorides	75%	580	12.0	2.5
Surface casing Tail	2500' - 2000'	Class V 2% chlorides	75%	315	15.8	1.15

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> Gray 2-17-3-1E	
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>9. API NUMBER:</b> 43047547160000	
<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> INDEPENDENCE	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0767 FNL 1985 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 17 Township: 03.0S Range: 01.0E 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: 3/24/2015	<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.			
Please see attached drill report for Gray 2-17-3-1E encompassing all drilling operations to date.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY March 24, 2015</b>			
<b>NAME (PLEASE PRINT)</b> Valari Crary	<b>PHONE NUMBER</b> 303 880-3637	<b>TITLE</b> Drilling And Completion Tech	
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/24/2015		



### Daily Drilling Report

Report for: 3/11/2015  
 Report #: 1.0, DFS: -6.21  
 Depth Progress:

Well Name: GRAY 2-17-3-1E

UWI/API 43-047-54716		Surface Legal Location			License #				
Spud Date 3/11/2015 09:30		Date TD Reached (wellbore) 3/22/2015 17:30		Rig Release Date 3/24/2015 05:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	
Completion Type									
Weather			Temperature (°F)			Road Condition		Hole Condition	
Operation At 6am					Operation Next 24hrs				

24 Hr Summary  
 MIRU PETE MARTIN RIG #17 SPUD WELL @09:30 3/11/2015 DRILL 52' KB 24" CONDUCTOR HOLE, RUN & CEMENT 52' KB 16" CONDUCTOR PIPE, CEMENT T/SURF W/15.8 PPG READY MIX

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com

Mud Checks						
<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)		

Drill Strings						
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						

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

AFE Number 1704515US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
Target Formation WASATCH	Target Depth (ftKB) 9,305.0
Last Casing String Conductor, 52.0ftKB	
Daily Contacts	
Job Contact	Mobile

Rigs	
Capstar Drilling, 316	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473
1, Gardner-Denver, PZ-9	
Pump # 1	Rod Dia (in)
Liner Size (in)	Stroke (in)
P (psi)	Slow Spd
Strokes (s...)	Eff (%)

2, Gardner-Denver, PZ-9	
Pump # 2	Rod Dia (in)
Liner Size (in)	Stroke (in)
P (psi)	Slow Spd
Strokes (s...)	Eff (%)

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

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



### Daily Drilling Report

Report for: 3/13/2015  
 Report #: 2.0, DFS: -4.21  
 Depth Progress:

Well Name: GRAY 2-17-3-1E

UWI/API 43-047-54716		Surface Legal Location			License #				
Spud Date 3/11/2015 09:30		Date TD Reached (wellbore) 3/22/2015 17:30		Rig Release Date 3/24/2015 05:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	
Completion Type									
Weather			Temperature (°F)			Road Condition		Hole Condition	
Operation At 6am					Operation Next 24hrs				

AFE Number 1704515US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
Target Formation WASATCH	Target Depth (ftKB) 9,305.0
Last Casing String Conductor, 52.0ftKB	

24 Hr Summary  
 MIRU PRO PETRO RIG # 12, DRILL 12 1/4" SURF HOLE F/52' KB, T/1725' KB

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com

Daily Contacts	
Job Contact	Mobile

Mud Checks						
<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)		

Rigs	
Capstar Drilling, 316	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473

#### Drill Strings

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						

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

#### 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

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

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

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	





# Daily Drilling Report

Report for: 3/15/2015  
 Report #: 4.0, DFS: -2.21  
 Depth Progress:

Well Name: GRAY 2-17-3-1E

UWI/API 43-047-54716		Surface Legal Location			License #				
Spud Date 3/11/2015 09:30		Date TD Reached (wellbore) 3/22/2015 17:30		Rig Release Date 3/24/2015 05:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	
Completion Type									
Weather			Temperature (°F)			Road Condition		Hole Condition	
Operation At 6am					Operation Next 24hrs				

24 Hr Summary  
 CONT T/RU MUD TANKS, BUILD 9.5 PPG 40 VIS MUD,STAGE IN HOLE T/2100',DRILL 12 1/4" HOLE F/2100' T/2580' (TD 12 1/4" SURF HOLE), CIRC 2 BOTTEMS UP

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com

**Mud Checks**

<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)		

**Drill Strings**

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						

**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

AFE Number 1704515US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
Target Formation WASATCH	Target Depth (ftKB) 9,305.0
Last Casing String Conductor, 52.0ftKB	

Daily Contacts	
Job Contact	Mobile

Rigs	
Capstar Drilling, 316	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473

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

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

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

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



# Daily Drilling Report

Report for: 3/16/2015  
 Report #: 5.0, DFS: -1.21  
 Depth Progress:

Well Name: GRAY 2-17-3-1E

UWI/API 43-047-54716		Surface Legal Location			License #				
Spud Date 3/11/2015 09:30		Date TD Reached (wellbore) 3/22/2015 17:30		Rig Release Date 3/24/2015 05:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	
Completion Type									
Weather			Temperature (°F)			Road Condition		Hole Condition	
Operation At 6am					Operation Next 24hrs				

24 Hr Summary  
 TOH W/DRILL STRING, R/U & RUN 62 JNTS 9 5/8" 36# SURF CSG W/THE SHOE SET @2526' KB & THE FLOAT COLLAR SET @2481', R/U PRO PETRO CEMENTERS, CEMENT SURF CSG W/580 SKS (295 BBLs) 12.0 PPG 2.86CUFT/SK YIELD LEAD CEMENT, 300 SKS 61 BBLs) 15.8 PPG 1.15 CUFT/SK YIELD TAIL CEMENT, DROP PLUG DISPLACE W/190 BBLs FRESH WATER, BUMP PLUG T/1000 PSI, BLEED OFF FLOATS HELD, 90 BBLs CEMENT T/SURF, STAYED @ SURF, FINAL LIFT PRESS 630 PSI, R/D, WO DRILLING RIG CEMENT DROPPED 9' TOP OFF W/ 1.5 YARDS READY MIX

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com

Mud Checks						
<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)		

Drill Strings					
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					

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

AFE Number 1704515US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
Target Formation WASATCH	Target Depth (ftKB) 9,305.0
Last Casing String Surface, 2,526.0ftKB	
Daily Contacts	
Job Contact	Mobile

Rigs	
Capstar Drilling, 316	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473
1, Gardner-Denver, PZ-9	
Pump # 1	Rod Dia (in) 
Liner Size (in)	Stroke (in)
P (psi)	Slow Spd
Strokes (s...)	Eff (%)

2, Gardner-Denver, PZ-9	
Pump # 2	Rod Dia (in) 
Liner Size (in)	Stroke (in)
P (psi)	Slow Spd
Strokes (s...)	Eff (%)

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

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 3/17/2015

Report #: 6.0, DFS: -0.21

Depth Progress:

Well Name: GRAY 2-17-3-1E

UWI/API 43-047-54716		Surface Legal Location			License #																				
Spud Date 3/11/2015 09:30		Date TD Reached (wellbore) 3/22/2015 17:30		Rig Release Date 3/24/2015 05:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00																	
Completion Type							AFE Number 1704515US		Start Depth (ftKB) 0.0		End Depth (ftKB) 0.0														
Weather NICE		Temperature (°F) 44.0			Road Condition POOR		Hole Condition Good		Target Formation WASATCH		Target Depth (ftKB) 9,305.0														
Operation At 6am PICK UP BHA							Operation Next 24hrs RUN IN HOLE DRILL SHOE TRACK & 7 7/8 PROD HOLE																		
24 Hr Summary MOVE IN RIG UP CAPSTAR 316 NIPPLE & TEST BOPS. STRAP & PICK UP DIR, TOOLS & BHA							Last Casing String Surface, 2,526.0ftKB																		
Time Log							Daily Contacts																		
Start Time		End Time		Dur (hr)		Cum Dur (hr)		Aty Code		Activity		Com													
13:30		21:30		8.00		8.00		1		RIGUP & TEARDOWN		MOVE IN RIG UP CAPSTAR 316 INSTALL NEW GOOSE NECK ON TOP DRIVE													
21:30		01:30		4.00		12.00		14		NIPPLE UP B.O.P		NIPPLE UP BOPS													
01:30		04:00		2.50		14.50		15		TEST B.O.P		TEST BOPS PIPE & BLINES/ CHOKE MANN. 3000 PSI F/ 10 MINS ANN 1500 PSI F/ 10 MIN & CASING 1500 PSI F/ 30 MINS ALL OK													
04:00		06:00		2.00		16.50		6		TRIPS		STRAP & PICK UP DIR. TOOLS & BHA													
Mud Checks							Rigs																		
2,580.0ftKB, 3/17/2015 05:00							Capstar Drilling, 316																		
Type Water Base		Time 05:00		Depth (ftKB) 2,580.0		Density (lb/gal) 9.40		Funnel Viscosity (s/qt) 27		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)													
Drill Strings							Contractor Capstar Drilling					Rig Number 316													
BHA #<stringno>, <des>							Rig Supervisor Eric Thompson					Phone Mobile 307-259-8473													
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																									
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	
Mud Additive Amounts							1, Gardner-Denver, PZ-9																		
Des		Field Est (Cost/unit)		Consumed																					
Engineering		450.00		1.0																					
Rental		50.00		1.0																					
Safety Checks							2, Gardner-Denver, PZ-9																		
Time		Type		Des																					
Wellbores							Pump #																		
Wellbore Name		KO MD (ftKB)																							
Original Hole																									



### Daily Drilling Report

Report for: 3/18/2015  
 Report #: 7.0, DFS: 0.79  
 Depth Progress: 2,320.00

Well Name: GRAY 2-17-3-1E

UWI/API 43-047-54716		Surface Legal Location		License #	
Spud Date 3/11/2015 09:30		Date TD Reached (wellbore) 3/22/2015 17:30		Rig Release Date 3/24/2015 05:00	
		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	
Completion Type					
Weather Cloudy		Temperature (°F) 56.0		Road Condition Fair	
				Hole Condition Good	
Operation At 6am Drilling @ 4900'			Operation Next 24hrs Drill 7 7/8" Production Hole		

AFE Number 1704515US	
Start Depth (ftKB) 2,580.0	End Depth (ftKB) 4,900.0
Target Formation WASATCH	Target Depth (ftKB) 9,305.0
Last Casing String Surface, 2,526.0ftKB	

24 Hr Summary  
 Cut & Slip Drilling Line, Trip In Hole, Tag Cement @ 2274', Drill Out 9 5/8" Shoe Track, Drill 7 7/8" Production Hole f/ 2580' to 4900' (2320' @ 125.4 fph) Mahogany Bench Top Expected @ 5320', Lithology - 60% SH, 30%DOLST, 10\$ CLYST, BKG 230-260 u, Conn. 775 u, Peak 837 u @ 4191'.

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	07:00	1.00	1.00	9	CUT OFF DRILL LINE	Cut & slip 70' Drilling Line
07:00	08:30	1.50	2.50	6	TRIPS	Trip In Hole, Tag Cement Top @ 2274'
08:30	11:00	2.50	5.00	22	OPEN	Drill Cement & Float Equipment f/ 2274' to 2580'
11:00	16:30	5.50	10.50	2	DRILL ACTUAL	Drilling 7 7/8" Production Hole f/ 2580' to 3369' (789' @ 143.5 fph)
16:30	17:00	0.50	11.00	7	LUBRICATE RIG	Rig Service
17:00	06:00	13.00	24.00	2	DRILL ACTUAL	Drilling f/ 3369' to 4900' (1531' @ 117.8 fph) 16k wob, 394 gpm

Daily Contacts	
Job Contact	Mobile
Floyd Mitchell	435-823-3608
Brent Bascom	970-250-2928

**Mud Checks**  
 2,960.0ftKB, 3/18/2015 14:00

Type DAP	Time 14:00	Depth (ftKB) 2,960.0	Density (lb/gal) 8.40	Funnel Viscosity (s/qt) 27	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 8.0	Sand (%)	Solids (%) 1.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 2,000.000	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL) 0.100	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)		

Rigs		
Capstar Drilling, 316		
Contractor Capstar Drilling	Rig Number 316	
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473	

**Drill Strings**

<b>BHA #1, Steerable</b>						
Bit Run 2	Drill Bit 7 7/8in, MM65M, 12354264	Length (ft) 1.00	IADC Bit Dull -----	TFA (incl Noz) (in²) 1.80	BHA ROP... 67.7	
Nozzles (1/32") 16/16/16/16/16/16			String Length (ft) 589.91	Max Nominal OD (in) 6.500		
String Components Security MM65M, MUD MOTOR, NMDC, GAP SUB, Index Sub, NMDC, Drill Collar, HWDP						
Comment Security MM65M (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5°, Fixed .16 RPG)(2-6.5"x2.875"NMDC)(6-6.25 x 2.5"DC) (10-4.5"HWDP)						

1, Gardner-Denver, PZ-9		
Pump # 1	Pwr (hp)	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)	Rod Dia (in)
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079
P (psi)	Slow Spd	Strokes (s... Eff (%)

**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	2,580.0	4,900.0	2,320.00	18.50	125.4	394	16	60	1,150.0	86	107	

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
DAP	35.00	7.0
Engineering	450.00	1.0
Rental	50.00	1.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



# Daily Drilling Report

Report for: 3/19/2015  
 Report #: 8.0, DFS: 1.79  
 Depth Progress: 1,165.00

Well Name: GRAY 2-17-3-1E

UWI/API 43-047-54716		Surface Legal Location		License #	
Spud Date 3/11/2015 09:30		Date TD Reached (wellbore) 3/22/2015 17:30		Rig Release Date 3/24/2015 05:00	
		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	
Completion Type					
Weather Clear		Temperature (°F) 60.0		Road Condition Fair	
				Hole Condition Good	
Operation At 6am Drilling @ 6065'			Operation Next 24hrs Drill 7 7/8" Production Hole		

AFE Number 1704515US	
Start Depth (ftKB) 4,900.0	End Depth (ftKB) 6,065.0
Target Formation WASATCH	Target Depth (ftKB) 9,305.0
Last Casing String Surface, 2,526.0ftKB	

24 Hr Summary  
 Drilling f/ 4900' to 6065' (1165' @ 49.6 fph) 16k wob, 394 gpm, no losses TGR3 Top Expected @ 6425'. Lithology - 40% SH,30%MRLST,20%DOLST,10%CLYST, BKG 300 u, Conn. 750 u,Peak 3805 u @ 5816'

<b>Daily Contacts</b>	
Job Contact	Mobile
Floyd Mitchell	435-823-3608
Brent Bascom	970-250-2928

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	12:00	6.00	6.00	2	DRILL ACTUAL	Drilling f/ 4900' to 5210' (310' @ 51.7 fph) 16k wob, 394 gpm.
12:00	12:30	0.50	6.50	7	LUBRICATE RIG	Rig Service
12:30	06:00	17.50	24.00	1	RIGUP & TEARDOWN	Drilling f/ 5210' to 6065' (855' @ 48.9 fph) 16k wob, 394 gpm, no losses

<b>Rigs</b>	
<b>Capstar Drilling, 316</b>	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473

Mud Checks							
5,111.0ftKB, 3/19/2015 10:00							
Type DAP	Time 10:00	Depth (ftKB) 5,111.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 32	PV Override (cP) 5.0	YP OR (lb/100ft²) 4.000	
Gel 10 sec (lb/100ft²) 2.000	Gel 10 min (lb/100ft²) 4.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.0	Sand (%) 0.3	Solids (%) 1.0	
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 68,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	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>1, Gardner-Denver, PZ-9</b>			
Pump # 1	Pwr (hp)	Rod Dia (in)	
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...)	0.079
P (psi) 1,150.0	Slow Spd No	Strokes (s...)	125
		Eff (%)	95

Drill Strings						
BHA #1, Steerable						
Bit Run 2	Drill Bit 7 7/8in, MM65M, 12354264	Length (ft) 1.00	IADC Bit Dull -----	TFA (incl Noz) (in²) 1.80	BHA ROP... 67.7	
Nozzles (1/32") 16/16/16/16/16/16	String Length (ft) 589.91	Max Nominal OD (in) 6.500				
String Components Security MM65M, MUD MOTOR, NMDC, GAP SUB, Index Sub, NMDC, Drill Collar, HWDP						
Comment Security MM65M (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5°, Fixed .16 RPG)(2-6.5"x2.875"NMDC)(6-6.25 x 2.5"DC) (10-4.5"HWDP)						

<b>2, Gardner-Denver, PZ-9</b>			
Pump # 2	Pwr (hp)	Rod Dia (in)	
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...)	0.079
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

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	4,900.0	6,065.0	3,485.0	42.00	49.6	394	16	60	1,200.0	110	135	9,500.0

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Bentonite	7.50	139.0
Brine	7.50	600.0
DAP	35.00	45.0
Engineering	450.00	1.0
Hole Seal	21.00	6.0
Liqui Drill	135.00	2.0
Pallet	20.00	10.0
Rental	50.00	1.0
Sawdust	4.50	10.0
Sea Mud	15.50	240.0
Tax	1.00	488.5
Trucking	1.00	1,200.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



# Daily Drilling Report

Report for: 3/20/2015  
 Report #: 9.0, DFS: 2.79  
 Depth Progress: 1,445.00

Well Name: GRAY 2-17-3-1E

UWI/API 43-047-54716		Surface Legal Location		License #	
Spud Date 3/11/2015 09:30		Date TD Reached (wellbore) 3/22/2015 17:30		Rig Release Date 3/24/2015 05:00	
		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	
Completion Type					
Weather Clear		Temperature (°F) 65.0		Road Condition Fair	
				Hole Condition Good	
Operation At 6am Drilling @ 7510'			Operation Next 24hrs Drill 7 7/8" Production Hole		
24 Hr Summary Drilling f/ 6065' to 7510' (1445' @ 61.5 fph) 16k wob, 394 gpm, 150 bbl seepage loss, Douglas CreekTop @ 7471'. Lithology - 60%SH,30%CLYST,10%SS, BKG 450 u, Conn. 985 u,Peak 2446 u @ 6935'					

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	16:30	10.50	10.50	2	DRILL ACTUAL	Drilling f/ 6065' to 6622' (543' @ 51.7 fph) 16k wob, 394 gpm, no losses
16:30	17:00	0.50	11.00	7	LUBRICATE RIG	Rig Service
17:00	06:00	13.00	24.00	2	DRILL ACTUAL	Drilling f/ 6622' to 7510' (888' @ 68.3 fph) 16k wob, 394 gpm, (150 bbl seepage Loss)

Mud Checks							
6,298.0ftKB, 3/20/2015 10:00							
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)	
DAP	10:00	6,298.0	9.40	32	5.0	4.000	
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)	
2.000	4.000			8.0	0.3	8.0	
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)	
		60,000.000		0.1	0.100		
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)			
	150.0						

Drill Strings					
BHA #1, Steerable					
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
2	7 7/8in, MM65M, 12354264	1.00	-----	1.80	67.7
Nozzles (1/32")		String Length (ft)		Max Nominal OD (in)	
16/16/16/16/16/16		589.91		6.500	
String Components					
Security MM65M, MUD MOTOR, NMDC, GAP SUB, Index Sub, NMDC, Drill Collar, HWDP					
Comment					
Security MM65M (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5°, Fixed .16 RPG)(2-6.5"x2.875"NMDC)(6-6.25 x 2.5"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	6,065.0	7,510.0	4,930.0	65.50	61.5	394	16	60	1,380.0	130	145	10,500.0

AFE Number 1704515US	
Start Depth (ftKB) 6,065.0	End Depth (ftKB) 7,510.0
Target Formation WASATCH	Target Depth (ftKB) 9,305.0
Last Casing String Surface, 2,526.0ftKB	
Daily Contacts	
Job Contact	Mobile
Floyd Mitchell	435-823-3608
Brent Bascom	970-250-2928

Rigs			
Capstar Drilling, 316			
Contractor	Rig Number		
Capstar Drilling	316		
Rig Supervisor	Phone Mobile		
Eric Thompson	307-259-8473		
1, Gardner-Denver, PZ-9			
Pump #	Pwr (hp)	Rod Dia (in)	
1			
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
6	9.02	0.079	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)
1,200.0	No	125	95

2, Gardner-Denver, PZ-9			
Pump #	Pwr (hp)	Rod Dia (in)	
2			
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
6	9.02	0.079	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Bentonite	7.50	5.0
DAP	35.00	55.0
Engineering	450.00	1.0
Hole Seal	21.00	45.0
Pallet	20.00	9.0
Rental	50.00	1.0
Sawdust	4.50	45.0
Sea Mud	15.50	3.0
Tax	1.00	233.56
Trucking	1.00	800.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



# Daily Drilling Report

Report for: 3/21/2015  
 Report #: 10.0, DFS: 3.79  
 Depth Progress: 1,380.00

Well Name: GRAY 2-17-3-1E

UWI/API 43-047-54716		Surface Legal Location		License #	
Spud Date 3/11/2015 09:30		Date TD Reached (wellbore) 3/22/2015 17:30		Rig Release Date 3/24/2015 05:00	
		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	
Completion Type					
Weather Clear		Temperature (°F) 65.0		Road Condition Fair	
				Hole Condition Good	
Operation At 6am Drilling @ 8890'			Operation Next 24hrs Drill 7 7/8" Production Hole to 9345' TD, Circ. & Spot Kill Pill, LD/DP, Run Open Hole Logs.		

24 Hr Summary  
 Drilling f/ 7510' to 8890' (1380' @ 58.7 fph) 16k wob, 394 gpm, 300 bbl seepage loss, Wasatch Top @ 8414'. Lithology - 20%SH,50%CLYST,30%SS, BKG 1700 u, Conn. 5312 u, Peak 6495 u @ 8556'

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	17:00	11.00	11.00	2	DRILL ACTUAL	Drilling f/ 7510' to 8248' (738' @ 67.1 fph) 16k wob, 394 gpm, (150 bbl seepage Loss)
17:00	17:30	0.50	11.50	7	LUBRICATE RIG	Rig Service
17:30	06:00	12.50	24.00	2	DRILL ACTUAL	Drilling f/ 8248' to 8890' (642' @ 51.4 fph) 16k wob, 394 gpm, (150 bbl seepage Loss)

Mud Checks						
7,782.0ftKB, 3/21/2015 12:00						
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
DAP	12:00	7,782.0	9.60	32	5.0	4.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
5.000	10.000			8.5	0.3	9.5
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
		44,000.000		0.1	0.100	
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		
	300.0					

Drill Strings					
BHA #1, Steerable					
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
2	7 7/8in, MM65M, 12354264	1.00	-----	1.80	67.7
Nozzles (1/32")		String Length (ft)		Max Nominal OD (in)	
16/16/16/16/16		589.91		6.500	

String Components  
 Security MM65M, MUD MOTOR, NMDC, GAP SUB, Index Sub, NMDC, Drill Collar, HWDP

Comment  
 Security MM65M (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5", Fixed .16 RPG)(2-6.5"x2.875"NMDC)(6-6.25 x 2.5"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	7,510.0	8,890.0	6,310.0	89.00	58.7	394	16	60	1,475.0	148	175	11,500.0

AFE Number 1704515US	
Start Depth (ftKB) 7,510.0	End Depth (ftKB) 8,890.0
Target Formation WASATCH	Target Depth (ftKB) 9,305.0
Last Casing String Surface, 2,526.0ftKB	
Daily Contacts	
Job Contact	Mobile
Floyd Mitchell	435-823-3608
Brent Bascom	970-250-2928

Rigs			
Capstar Drilling, 316			
Contractor Capstar Drilling	Rig Number 316		
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473		
1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp)	Rod Dia (in)	
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079	
P (psi) 1,380.0	Slow Spd No	Strokes (s...) 125	Eff (%) 95
2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp)	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	10.50	16.0
DAP	35.00	38.0
Engineering	450.00	1.0
Hole Seal	21.00	35.0
Rental	50.00	1.0
Sawdust	4.50	35.0
Sea Mud	15.50	377.0
Tax	1.00	580.86
Walnut	14.50	16.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



### Daily Drilling Report

Report for: 3/22/2015  
 Report #: 11.0, DFS: 4.79  
 Depth Progress: 455.00

Well Name: GRAY 2-17-3-1E

UWI/API 43-047-54716		Surface Legal Location		License #	
Spud Date 3/11/2015 09:30		Date TD Reached (wellbore) 3/22/2015 17:30		Rig Release Date 3/24/2015 05:00	
		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	
Completion Type					
Weather Cloudy		Temperature (°F) 62.0		Road Condition Fair	
				Hole Condition Good	
Operation At 6am Logging			Operation Next 24hrs Finish Logs, Rig Up & Run 5.5" Production Casing, Cement Casing as Per Program, Nipple down BOP, Clean Pits, Release Rig For Move to Bowers 8-6-4-2E.		
24 Hr Summary Drill 7 7/8" Production Hole f/ 8890' to 9345' TD, (455' @ 41.4 fph) Lithology 50%SS, 40%CLYST, 10%SH, BKG 1000 U, Conn. 1924 U, Peak 1791 u @ 8875' - Circ. & Spot 10.5 ppg Kill Pill TD to 5200', LD/DP, Run Open Hole Logs.					

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	16:30	10.50	10.50	2	DRILL ACTUAL	Drilling f/ 8890' to 9317' (427' @ 40.1 fph) 17k wob, 394 gpm, 100 bbl seepage loss
16:30	17:00	0.50	11.00	7	LUBRICATE RIG	Rig Service
17:00	17:30	0.50	11.50	2	DRILL ACTUAL	Drilling f/ 9317' to 9345' (28' @ 56 fph) 18k wob, 394 gpm, no losses
17:30	19:00	1.50	13.00	5	COND MUD & CIRC	Circulate for Logs, Spot 10.5 ppg Kill Pill (250 bbl)TD to 5200'
19:00	23:30	4.50	17.50	6	TRIPS	Lay Down Drill Pipe to 3500'
23:30	01:00	1.50	19.00	5	COND MUD & CIRC	Circulate Hole Clean - 1.5 Botoms Up @ 550 gpm
01:00	03:30	2.50	21.50	6	TRIPS	Lay Down DP & BHA
03:30	06:00	2.50	24.00	11	WIRELINE LOGS	Rig Up Halliburton Loggers, Run Open Hole Logs,

Mud Checks						
9,040.0ftKB, 3/22/2015 09:30						
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
DAP	09:30	9,040.0	9.90	32	6.0	7.000
Gel 10 sec (lb/100ft²)	11.000	Gel 10 min (lb/100ft²)	20.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH
						8.5
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
		47,000.000		0.1	0.100	11.0
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		
	100.0					

Drill Strings						
BHA #1, Steerable						
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...	
2	7 7/8in, MM65M, 12354264	1.00	-----	1.80	67.7	
Nozzles (1/32") 16/16/16/16/16			String Length (ft) 589.91	Max Nominal OD (in) 6.500		
String Components Security MM65M, MUD MOTOR, NMDC, GAP SUB, Index Sub, NMDC, Drill Collar, HWDP						
Comment Security MM65M (Hunting MM 6.5", 7/8, 3.3 Stg, 1.5", Fixed .16 RPG)(2-6.5"x2.875"NMDC)(6-6.25 x 2.5"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	8,890.0	9,345.0	6,765.0	100.0	41.4	394	17	60	1,450.0	152,154	180	11,50
			0	0								0.0

AFE Number 1704515US	
Start Depth (ftKB) 8,890.0	End Depth (ftKB) 9,345.0
Target Formation WASATCH	Target Depth (ftKB) 9,305.0
Last Casing String Production, 9,322.6ftKB	
Daily Contacts	
Job Contact	Mobile
Floyd Mitchell	435-823-3608
Brent Bascom	970-250-2928

Rigs			
Capstar Drilling, 316			
Contractor Capstar Drilling	Rig Number 316		
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473		
1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp)	Rod Dia (in)	
Liner Size (in) 6	Stroke (in) 9.02	Vol/Stk OR (b...) 0.079	
P (psi) 1,475.0	Slow Spd No	Strokes (s...) 125	Eff (%) 95
P (psi) 1,450.0	Slow Spd No	Strokes (s...) 125	Eff (%) 95
2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp)	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	10.50	88.0
Brine	7.50	100.0
DAP	35.00	44.0
Engineering	450.00	1.0
Hole Seal	21.00	10.0
Pallet	20.00	8.0
Rental	50.00	1.0
Sawdust	4.50	15.0
Sea Mud	15.50	178.0
Shrink Wrap	20.00	6.0
Tax	1.00	341.99
Trucking	1.00	800.0
Walnut	14.50	2.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



### Daily Drilling Report

Report for: 3/23/2015  
 Report #: 12.0, DFS: 5.79  
 Depth Progress: 0.00

Well Name: GRAY 2-17-3-1E

UWI/API 43-047-54716		Surface Legal Location		License #	
Spud Date 3/11/2015 09:30		Date TD Reached (wellbore) 3/22/2015 17:30		Rig Release Date 3/24/2015 05:00	
		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	
Completion Type					
Weather Cloudy/Windy		Temperature (°F) 45.0		Road Condition Fair	
				Hole Condition Good	
Operation At 6am Rig Down			Operation Next 24hrs M.I.R.U. on Bowers 8-6-4-2E		

AFE Number 1704515US	
Start Depth (ftKB) 9,345.0	End Depth (ftKB) 9,345.0
Target Formation WASATCH	Target Depth (ftKB) 9,305.0
Last Casing String Production, 9,322.6ftKB	

24 Hr Summary  
 Run Open Hole Logs, 1 Run, Triple Combo, Loggers Depth 9345', Rig Up CRT & Run 215 Jts. 5.5" 17 lb/ft, CP-80 LT&C Production Casing, Set @ 9322', Float Collar Set @ 9276', Wasatch Marker Set @ 8410', TGR3 Marker set @ 6418', Landed Casing Hanger w/ 125K. Cement 5.5" Production Casing as Per Cementing Program, Floats Held, No Cement to Surface, Nipple Down BOP, Clean Pits, Release Rig @ 05:00, 3/24/2015.

Daily Contacts	
Job Contact	Mobile
Floyd Mitchell	435-823-3608
Brent Bascom	970-250-2928

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	10:30	4.50	4.50	11	WIRELINE LOGS	Run Open hole Logs, 1 Run , Triple Combo. Loggers Depth 9345'
10:30	11:30	1.00	5.50	22	OPEN	Inspect Quil & Cross-over Sub
11:30	21:30	10.00	15.50	12	RUN CASING & CEMENT	Rig Up CRT & Run 219 Jts. 5.5" 17 lb/ft, CP-80 LT&C Production Casing, Set @ 9322', Float Collar Set @ 9276', Wasatch Marker Set @ 8410', TGR3 Marker set @ 6418', Landed Casing Hanger w/ 125K
21:30	00:30	3.00	18.50	12	RUN CASING & CEMENT	Pressure Test lines to 5000 psi. Pump 10 bbl Fresh Water ,223 bbl (450 sx) 11.0 ppg, 2.78 cuft/sk Lead Cement @ 5 bbl/min., 177 bbl (600 sx) 13.1 ppg, 1.66 cuft/sk Tail cement @ 5 bbl/min, Good Returns . Displace w/ 215 bbl. Fresh water - Returns slowed 170 bbl into Displacement .Lost all Returns 200 bbl Into Displacement 2020 psi lift pressure @ 3 bbl/ min. Land Latch Down Plug w/ 2650 psi, Floats Held. No cement to Surface.
00:30	01:00	0.50	19.00	12	RUN CASING & CEMENT	Rig Down Halliburton, Lay down Landing Joint & CRT.
01:00	05:00	4.00	23.00	14	NIPPLE UP B.O.P	Nipple Down BOP, Clean Pits, Release Rig @ 05:00, 3/24/2015

Rigs		
Capstar Drilling, 316		
Contractor Capstar Drilling	Rig Number 316	
Rig Supervisor Eric Thompson	Phone Mobile 307-259-8473	
1, Gardner-Denver, PZ-9		
Pump # 1	Pwr (hp)	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)	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 Checks						
9,345.0ftKB, <dtm>						
Type DAP	Time	Depth (ftKB) 9,345.0	Density (lb/gal) 9.90	Funnel Viscosity (s/qt) 32	PV Override (cP) 6.0	YP OR (lb/100ft²) 7.000
Gel 10 sec (lb/100ft²) 11.000	Gel 10 min (lb/100ft²) 20.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.5	Sand (%) 0.3	Solids (%) 11.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 47,000.000	Calcium (mg/L)	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	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)		

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Barite	10.50	75.0
Engineering	450.00	1.0
Hole Seal	21.00	28.0
Pallet	20.00	6.0
Rental	50.00	1.0
Sea Mud	15.50	37.0
Shrink Wrap	20.00	6.0
Tax	1.00	101.15
Walnut	14.50	3.0

Drill Strings						
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						

Safety Checks		
Time	Type	Des

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

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	

<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.		<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> Gray 2-17-3-1E
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047547160000
<b>PHONE NUMBER:</b> 720 880-3621 Ext		<b>9. FIELD and POOL or WILDCAT:</b> INDEPENDENCE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0767 FNL 1985 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 17 Township: 03.0S Range: 01.0E 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"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/17/2015	<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 type="checkbox"/> DRILLING REPORT Report Date:	<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 checked="" 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 type="text"/>

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

Crescent Point Energy US Corp reports the first production of hydrocarbons Gray 2-17-3-1E on April 17, 2015.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
April 23, 2015**

<b>NAME (PLEASE PRINT)</b> Kelly Beverlin	<b>PHONE NUMBER</b> 720 880-3635	<b>TITLE</b> Engineering Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/22/2015	

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

AMENDED REPORT  FORM 8  
(highlight changes)

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>		5. LEASE DESIGNATION AND SERIAL NUMBER:
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME
2. NAME OF OPERATOR:		8. WELL NAME and NUMBER:
3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____ PHONE NUMBER: _____		9. API NUMBER:
4. LOCATION OF WELL (FOOTAGES) AT SURFACE:  AT TOP PRODUCING INTERVAL REPORTED BELOW:  AT TOTAL DEPTH:		10 FIELD AND POOL, OR WILDCAT
		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
		12. COUNTY _____ 13. STATE <b>UTAH</b>

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED: _____ ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>	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 MD _____ PLUG SET: TVD _____
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)		23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (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					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								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: <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____	<input type="checkbox"/> DIRECTIONAL SURVEY	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

Crescent Point Energy  
Gray 2-17-3-1E - Actual

Unitah County  
Section 17 T3S, R1E  
Your Ref: CAPSTAR 329 RKB @ 4986.9'

Measured Depth (ft)	Incl.	Azim.	Vertical Depth (ft)	Northings (ft)	Eastings (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)
0	0	0	0	0	0	0	0
2553	2.11	188.77	2552.42	-46.45	-7.17	28.66	0.08
2681	1.58	183.45	2680.36	-50.54	-7.63	31.04	0.43
2810	1.01	261.23	2809.33	-52.49	-8.86	33.05	1.31
2938	2.24	336.25	2937.29	-50.38	-10.99	33.89	1.72
3067	3.6	349.21	3066.12	-44.09	-12.76	32.42	1.17
3195	5.23	355.1	3193.74	-34.33	-14.01	28.81	1.32
3323	5.32	352.82	3321.19	-22.63	-15.25	24.26	0.18
3451	5.08	347.91	3448.67	-11.2	-17.18	20.45	0.39
3580	4.75	349.61	3577.19	-0.36	-19.34	17.12	0.28
3708	4.44	345.74	3704.78	9.65	-21.51	14.2	0.34
3837	3.87	343.1	3833.44	18.66	-24.01	12.05	0.47
3965	2.7	328.86	3961.23	25.37	-26.82	11.28	1.11
4094	2.55	353.92	4090.1	30.83	-28.7	10.3	0.89
4222	1.71	339.99	4218.01	35.45	-29.65	8.91	0.77
4351	0.97	312.87	4346.98	38	-31.11	8.96	0.74
4479	0.66	299.6	4474.96	39.11	-32.55	9.68	0.28
4607	0.75	296.65	4602.95	39.85	-33.94	10.55	0.08
4736	1.12	281.15	4731.94	40.47	-35.93	11.99	0.34
4864	1.54	265.5	4859.9	40.57	-38.87	14.52	0.43
4993	1.74	268.63	4988.85	40.39	-42.56	17.84	0.17
5121	1.8	269.41	5116.79	40.32	-46.51	21.33	0.05
5377	1.85	237.15	5372.67	38.04	-54	29	0.4
5506	1.35	238.17	5501.61	36.11	-57.04	32.59	0.39
5634	0.97	210.21	5629.59	34.38	-58.87	35.03	0.52
5763	1.01	207.58	5758.57	32.43	-59.95	36.91	0.05
5891	1.19	212.24	5886.55	30.3	-61.18	39.01	0.16
6019	0.97	211.31	6014.52	28.25	-62.45	41.11	0.17
6234	1.14	228.28	6229.49	25.28	-64.99	44.78	0.16
6362	1.19	231.97	6357.46	23.61	-66.99	47.33	0.07
6490	1.41	238.08	6485.43	21.96	-69.37	50.21	0.2
6619	1.98	252.97	6614.37	20.47	-72.85	53.98	0.55

6747	0.7	272	6742.33	19.85	-75.75	56.82	1.05
6875	1.63	279.78	6870.31	20.18	-78.32	58.91	0.74
7004	1.05	357.25	6999.28	21.67	-80.19	59.83	1.35
7132	1.32	348.86	7127.25	24.29	-80.53	58.86	0.25
7261	0.48	285.32	7256.24	25.89	-81.34	58.8	0.92
7389	1.1	232.27	7384.23	25.28	-82.82	60.4	0.7
7517	1.93	213.94	7512.18	22.74	-85	63.53	0.74
7646	1.89	217.68	7641.11	19.26	-87.51	67.41	0.1
7774	0.83	214.7	7769.07	16.82	-89.33	70.18	0.83
7902	1.8	151.46	7897.04	14.3	-88.9	71.02	1.26
8031	2.24	155.85	8025.96	10.22	-86.9	71.23	0.36
8159	2.26	158.79	8153.86	5.58	-84.96	71.77	0.09
8287	2.5	166.36	8281.75	0.51	-83.39	72.83	0.31
8415	2.33	167.63	8409.64	-4.74	-82.18	74.29	0.14
8543	2.5	169.61	8537.52	-10.03	-81.11	75.91	0.15
8672	2.24	168.11	8666.41	-15.26	-80.09	77.53	0.21
8800	2.2	169.58	8794.32	-20.13	-79.13	79.04	0.05
8928	2.24	171.32	8922.22	-25.01	-78.31	80.67	0.06
9057	2.17	163.01	9051.13	-29.84	-77.21	82.04	0.25
9185	2.29	166.66	9179.03	-34.65	-75.91	83.22	0.15
9299	2.33	167.81	9292.94	-39.13	-74.9	84.49	0.05
9345	2.33	167.81	9338.9	-40.96	-74.5	85.02	0

All data are in feet unless otherwise stated. Directions and coordinates are relative to True North. Vertical depths are relative to Gray 2-17-3-1E. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Slot and calculated along an Azimuth of 241.201° (True).

Coordinate System is North American Datum 1983 US State Plane 1983, Utah Central Zone.

Central meridian is -111.500°.

Grid Convergence at Surface is 1.022°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 9345.00ft., the Bottom Hole Displacement is 85.02ft., in the Direction of 241.201° (True).





April 28, 2015

Utah Division of Oil, Gas & Mining  
Attention: Dustin Doucet  
1594 West North Temple, Suite 1120  
Salt Lake City, Utah 84116

RE: Sundry Notices  
Gray 2-17-3-1E  
Uintah County, UT

Dear Mr. Doucet:

Crescent Point Energy has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the subject well. Pursuant to the Utah OGM regulations, we have enclosed a copy of the Sundry Notice, a plat showing the owners of contiguous leases, as well as an affidavit confirming notice.

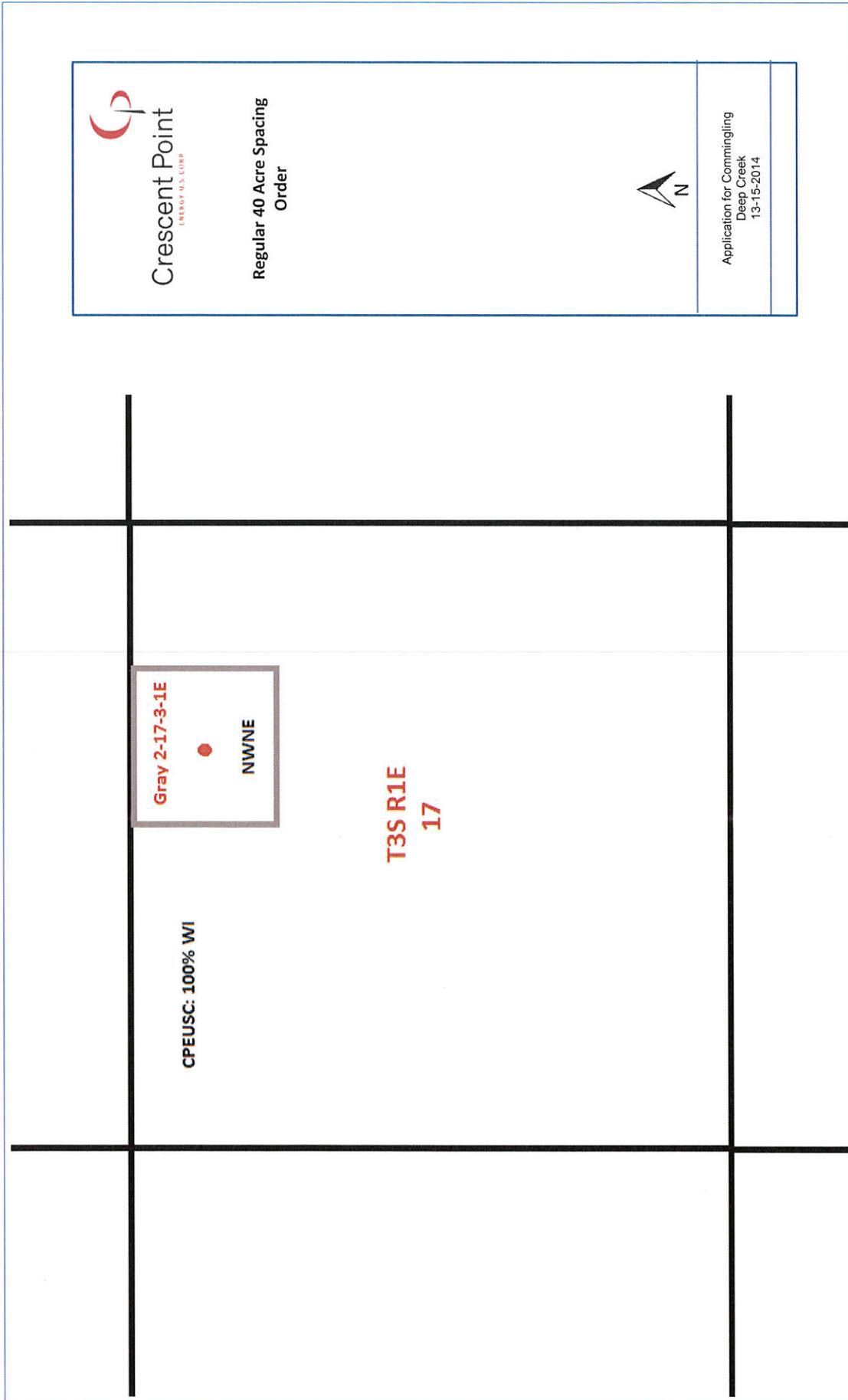
If you should have any questions regarding these Sundry Notices, please feel free to contact me at 303-308-6794.

Sincerely,

A handwritten signature in blue ink that reads 'Andrew M. Stone'.

Andrew M. Stone  
Land Consultant

Enclosures



In accordance with Utah Division of Oil, Gas, and Mining's Rule 649-3-22, Completion Into Two Or More Pools, Crescent Point Energy is submitting this sundry to request commingling approval for the Wasatch and Green River formations based on the following conclusions:

- Oil and associated gas compositions are similar across all formations.
- The respective well is located within a 40-acre unspaced unit
- The pressure profile across the formations is similar and Crescent Point Energy does not anticipate any cross flow.
- Following commingling, production will be considered to be from one pool.
- In the event that allocation by zone or interval is required, Crescent Point Energy would use representative sampling obtained from production logs and allocate on a percentage basis by zone or interval.

A letter, an affidavit(s) of notice, and plat are attached.

**AFFIDAVIT OF NOTICE**

Andrew M. Stone, of lawful age, after having first duly sworn upon his oath, disposes and states:

That he is employed by Crescent Point Energy U.S. Corp. ("Crescent Point") as a Land Consultant. Crescent Point has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within the Randlett Exploration and Development Agreement Area:

Gray 2-17-3-1E

NWNE Section 17 T3S-R1E

That in compliance with the Utah OGM regulation R649-3-22, I have provided a copy of the Sundry Notices, via Certified Mail, to the Utah OGM.

Date: April 28, 2015

Affiant

A handwritten signature in blue ink, appearing to read "Andrew M. Stone", written over a horizontal line.

Andrew M. Stone  
Land Consultant