

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING							FORM 3			
<b>APPLICATION FOR PERMIT TO DRILL</b>							AMENDED REPORT <input checked="" type="checkbox"/>			
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>				<b>1. WELL NAME and NUMBER</b> Gavitte 10-23-3-1E						
<b>4. TYPE OF WELL</b> Oil Well      Coalbed Methane Well: NO				<b>3. FIELD OR WILDCAT</b> RANDLETT						
<b>6. NAME OF OPERATOR</b> CRESCENT POINT ENERGY U.S. CORP				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>						
<b>8. ADDRESS OF OPERATOR</b> 555 17th Street, Suite 750, Denver, CO, 80202				<b>7. OPERATOR PHONE</b> 720 880-3621						
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) FEE</b>		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>						
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Peter Gavitte				<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 707-320-3413						
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 4116 McKinnon Road, Napa, CA 94559				<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>						
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>						
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>				
LOCATION AT SURFACE	744 FSL 2021 FEL	SWSE	23	3.0 S	1.0 E	U				
Top of Uppermost Producing Zone	2001 FSL 1988 FEL	NWSE	23	3.0 S	1.0 E	U				
At Total Depth	2001 FSL 1988 FEL	NWSE	23	3.0 S	1.0 E	U				
<b>21. COUNTY</b> UINTAH		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 744		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40						
<b>27. ELEVATION - GROUND LEVEL</b> 4972		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 920		<b>26. PROPOSED DEPTH</b> MD: 9031    TVD: 8823						
<b>28. BOND NUMBER</b> LPM9080271		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-12534								
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	24	16	0 - 40	65.0	H-40 ST&C	8.3	No Used	0	0.0	0.0
SURF	12.25	9.625	0 - 2100	36.0	J-55 ST&C	8.3	Class G	1015	1.15	15.8
PROD	7.875	5.5	0 - 9031	17.0	N-80 LT&C	10.0	Light (Hibond)	370	3.66	10.5
							Class G	540	1.65	13.1
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Emily Kate DeGrasse			<b>TITLE</b> Regulatory & Government Affairs Analyst			<b>PHONE</b> 720 880-3644				
<b>SIGNATURE</b>			<b>DATE</b> 09/04/2014			<b>EMAIL</b> edegrasse@crescentpointenergy.com				
<b>API NUMBER ASSIGNED</b> 43047547170000			<b>APPROVAL</b>   Permit Manager							

Crescent Point Energy U.S. Corp

**Gavitte 10-23-3-1E**

SHL: SW/SE of Section 23, T3S, R1E, USB&amp;M

BHL: NW/SE of Section 23, T3S, R1E, USB&amp;M

SHL: 744' FSL &amp; 2021' FEL

BHL: 2001' FSL &amp; 1988' FEL

Uintah County, Utah

**DRILLING PLAN**1-2. Geologic Surface Formation and Estimated Tops of Important Geologic Markers

Formation	Depth – TVD	Depth-MD
Uinta	Surface	Surface
Upper Green River Marker	4435'	4589'
Mahogany	4966'	5157'
Garden Gulch (TGR3)	6090'	6298'
Douglas Creek	7091'	7299'
Black Shale	7457'	7665'
Castle Peak	7627'	7835'
Uteland	7897'	8105'
Wasatch	8023'	8231'
TD	8823'	9031'

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

Green River Formation (Oil)	4,435' – 8,023'
Wasatch Formation (Oil)	8,023' – 8,823'

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'	2,100'	36	J-55	STC	3,250 851 4.14	2,020 1462 1.38	423,000 76,000 5.60	API Load SF
<b>Prod casing 5-1/2" Hole Size 7- 7/8"</b>	0'	9,031'	17	L-80	LTC	7,740 6,200 1.82	6,290 3,800 1.36	348,000 128,000 2.27	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	2,100' - surface	Class V 2% chlorides	75%	1320	15.8	1.15
Prod casing Lead	4500' to Surface	Hifill Class V 3% chlorides	45% in open-hole, 0% in cased hole	265	11	3.82
Prod casing Tail	TD to 4500'	Class G 10% chlorides	15%	550	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  $\pm 1500'$  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  $\pm 1500'$  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

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## 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.

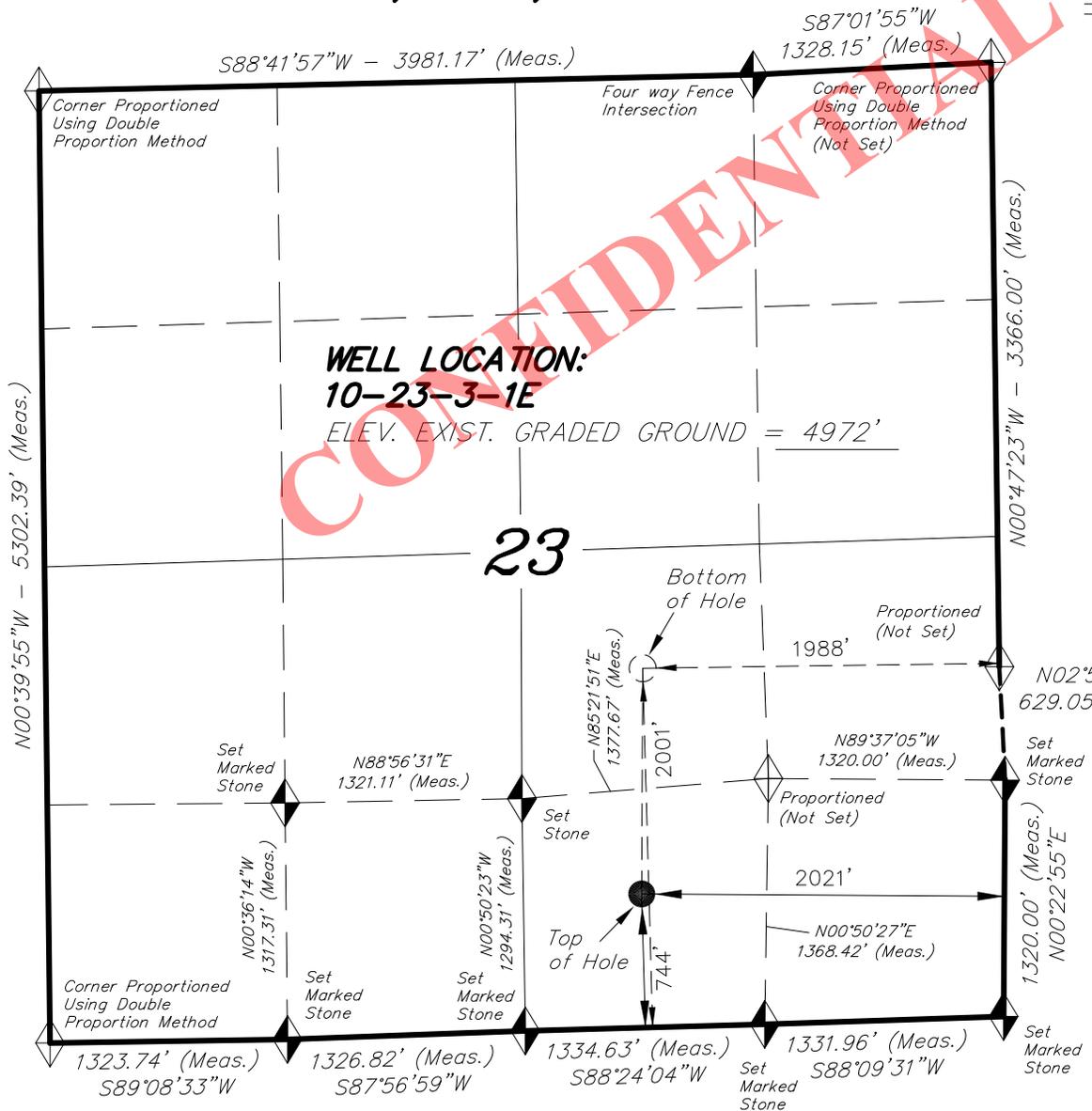
12. Variations Requested from Onshore Order No. 2

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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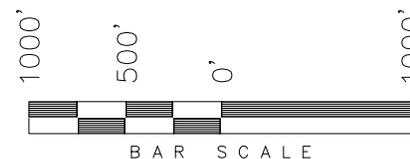
# T3S, R1E, U.S.B.&M.

# CRESCENT POINT ENERGY U.S. CORP.



WELL LOCATION, GAVITTE 10-23-3-1E, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 23, T3S, R1E, U.S.B.&M. UTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, GAVITTE 10-23-3-1E, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 23, T3S, R1E, U.S.B.&M. UTAH COUNTY, UTAH.



**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Bottom of Hole bears N00°14'13"E 1257.17' from the Top of Hole.

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

REGISTERED LAND SURVEYOR  
 05-15-14  
 STACY W. STEWART  
 REGISTERED LAND SURVEYOR  
 REGISTRATION No. 189377  
 STATE OF UTAH

◆ = SECTION CORNERS LOCATED

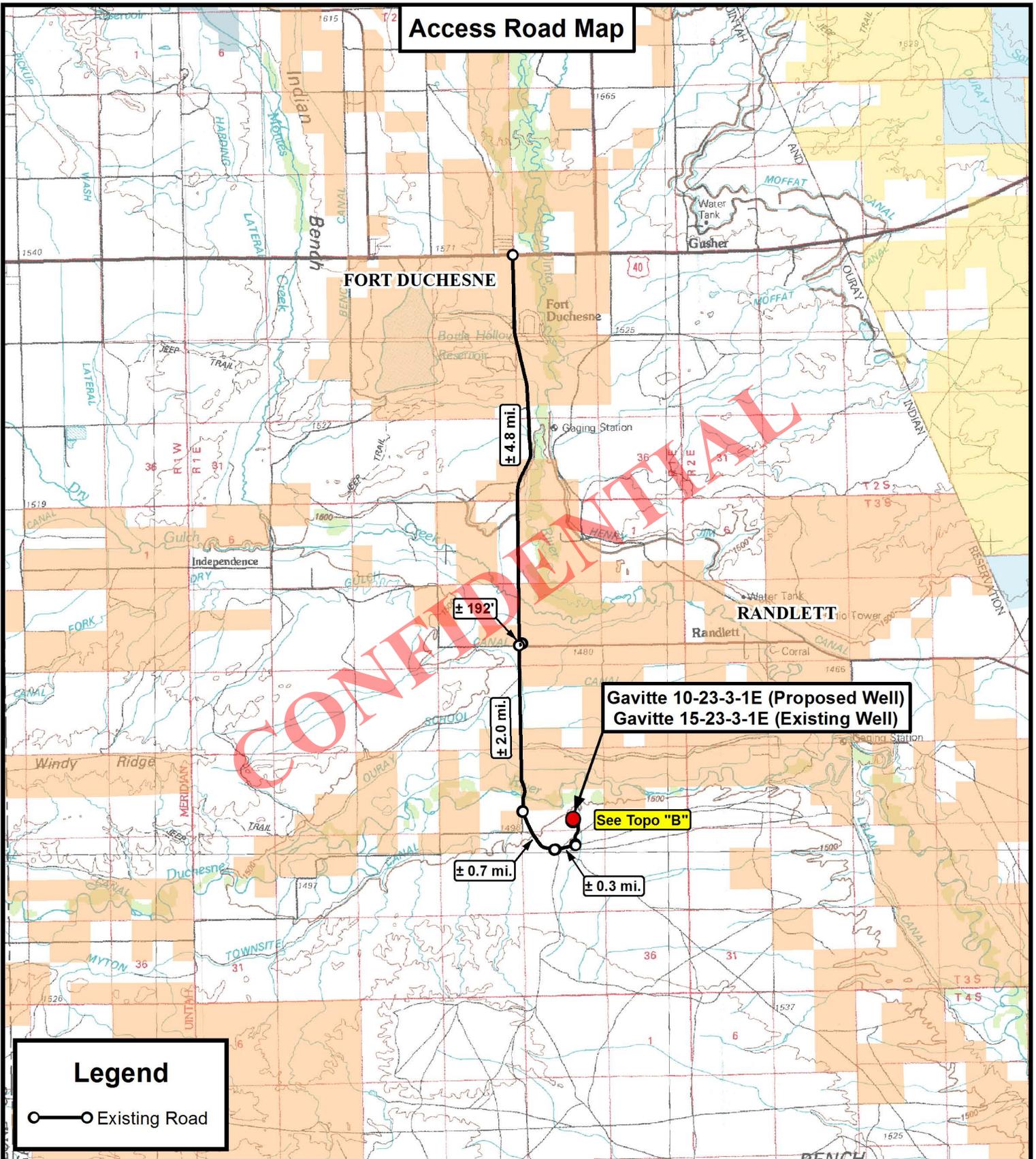
BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

BOTTOM HOLE LOCATION NAD 83 LAT. & LONG.	SURFACE LOCATION NAD 83 LAT. & LONG.
LATITUDE = 40°12'20.97"	LATITUDE = 40°12'08.55"
LONGITUDE = 109°50'51.39"	LONGITUDE = 109°50'51.76"
UTM NAD 83 ZONE 12 METERS	UTM NAD 83 ZONE 12 METERS
NORTHING = 4451238.796	NORTHING = 4450855.843
EASTING = 598072.891	EASTING = 598069.205

**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

DATE SURVEYED: 04-26-14	SURVEYED BY: C.S.
DATE DRAWN: 05-15-14	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'

**Access Road Map**



**Legend**

○—○ Existing Road

**Tri State Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078  
 P: (435) 781-2501  
 F: (435) 781-2518



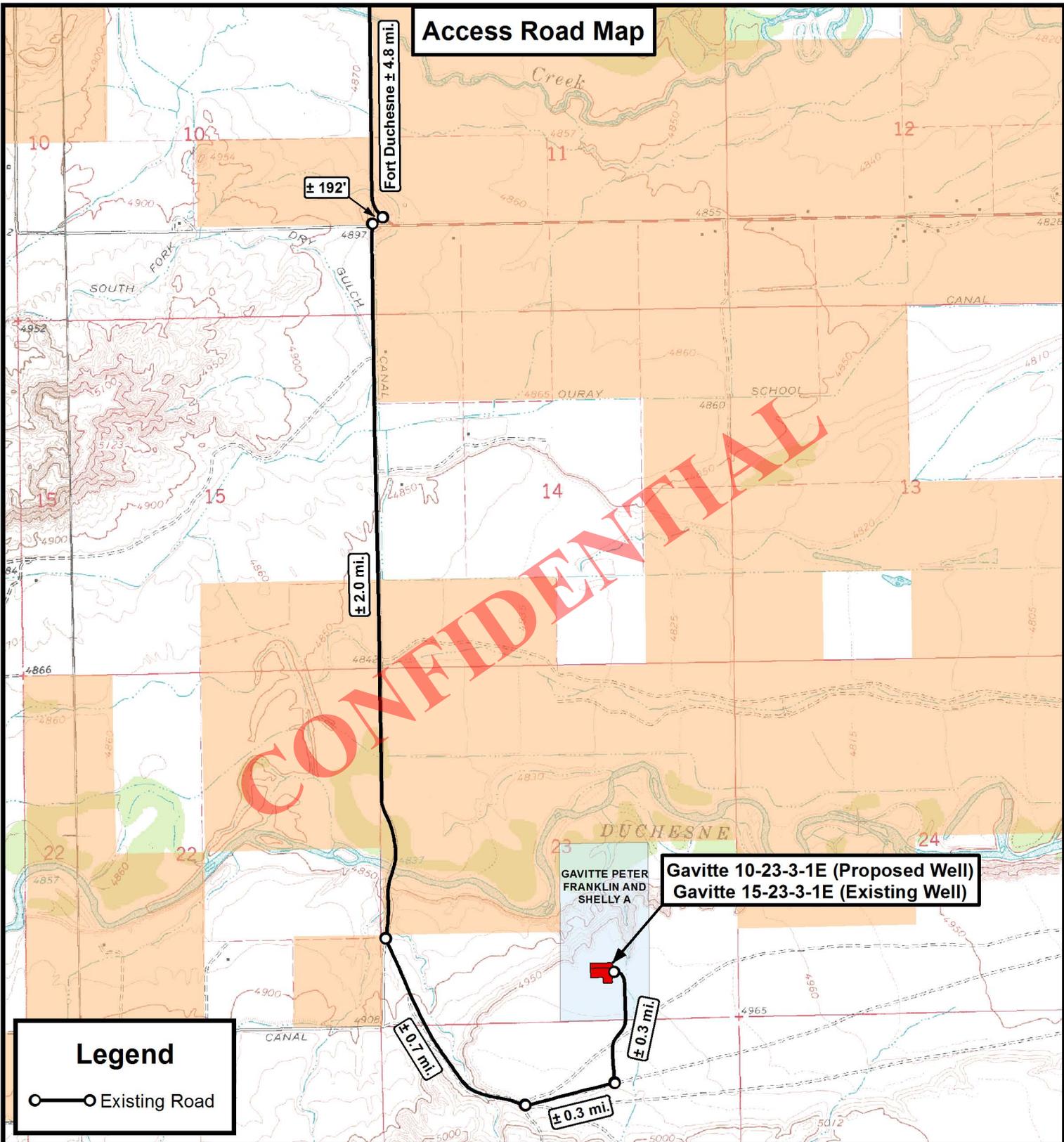
**CRESCENT POINT ENERGY U.S. CORP.**  
 Gavitte 10-23-3-1E (Proposed Well)  
 Gavitte 15-23-3-1E (Existing Well)  
 Sec. 23, T3S, R1E, U.S.B.&M.  
 Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	06-03-14	
SCALE:	1:100,000	

**TOPOGRAPHIC MAP**

SHEET  
**A**

**Access Road Map**



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**Legend**

○—○ Existing Road

**Gavitte 10-23-3-1E (Proposed Well)**  
**Gavitte 15-23-3-1E (Existing Well)**

THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.



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**CRESCENT POINT ENERGY U.S. CORP.**

Gavitte 10-23-3-1E (Proposed Well)  
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 Sec. 23, T3S, R1E, U.S.B.&M.  
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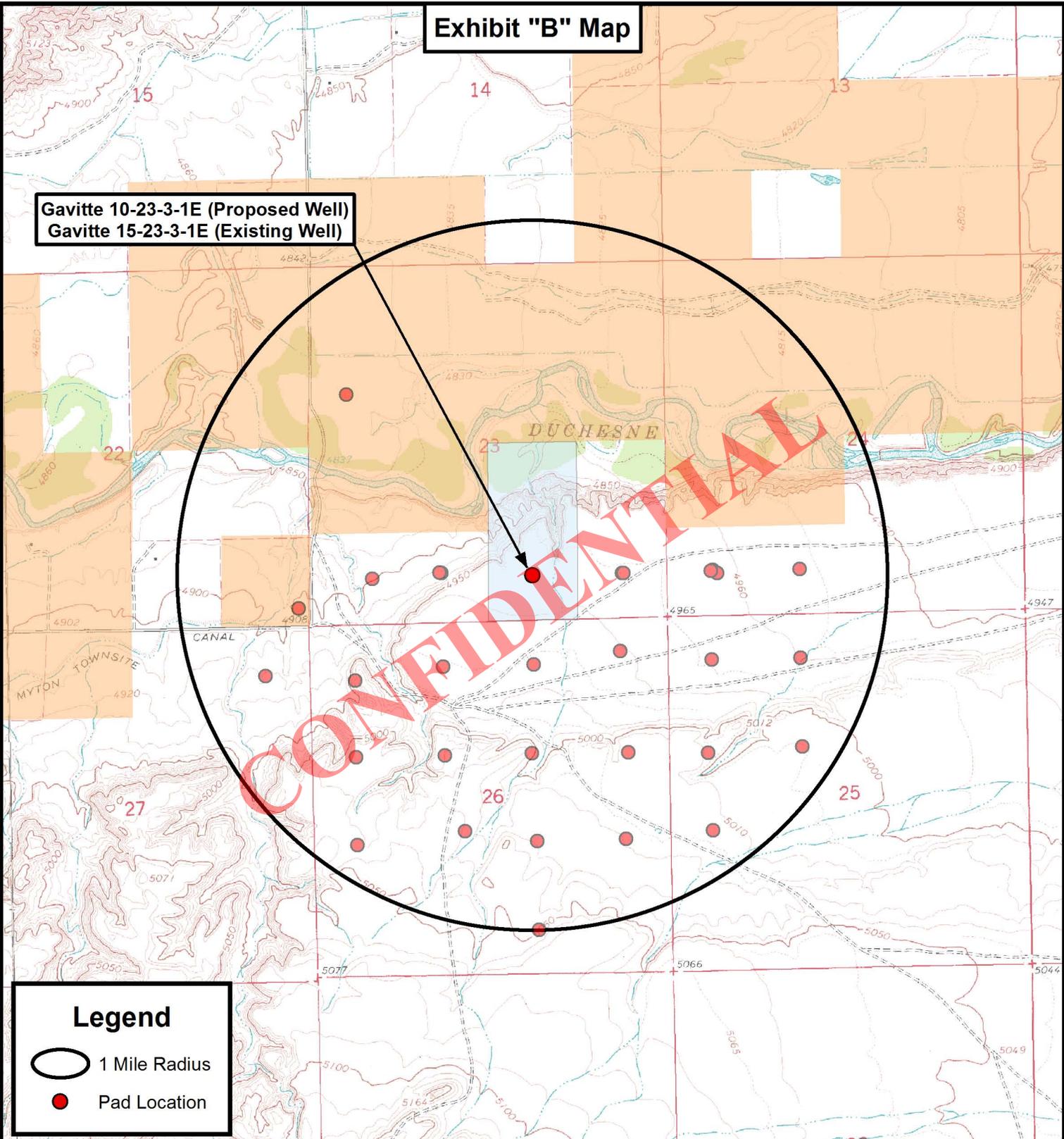
DRAWN BY:	A.P.C.	REVISED:
DATE:	06-03-14	
SCALE:	1" = 2,000'	

**TOPOGRAPHIC MAP**

SHEET  
**B**

**Exhibit "B" Map**

**Gavitte 10-23-3-1E (Proposed Well)**  
**Gavitte 15-23-3-1E (Existing Well)**



**Legend**

-  1 Mile Radius
-  Pad Location

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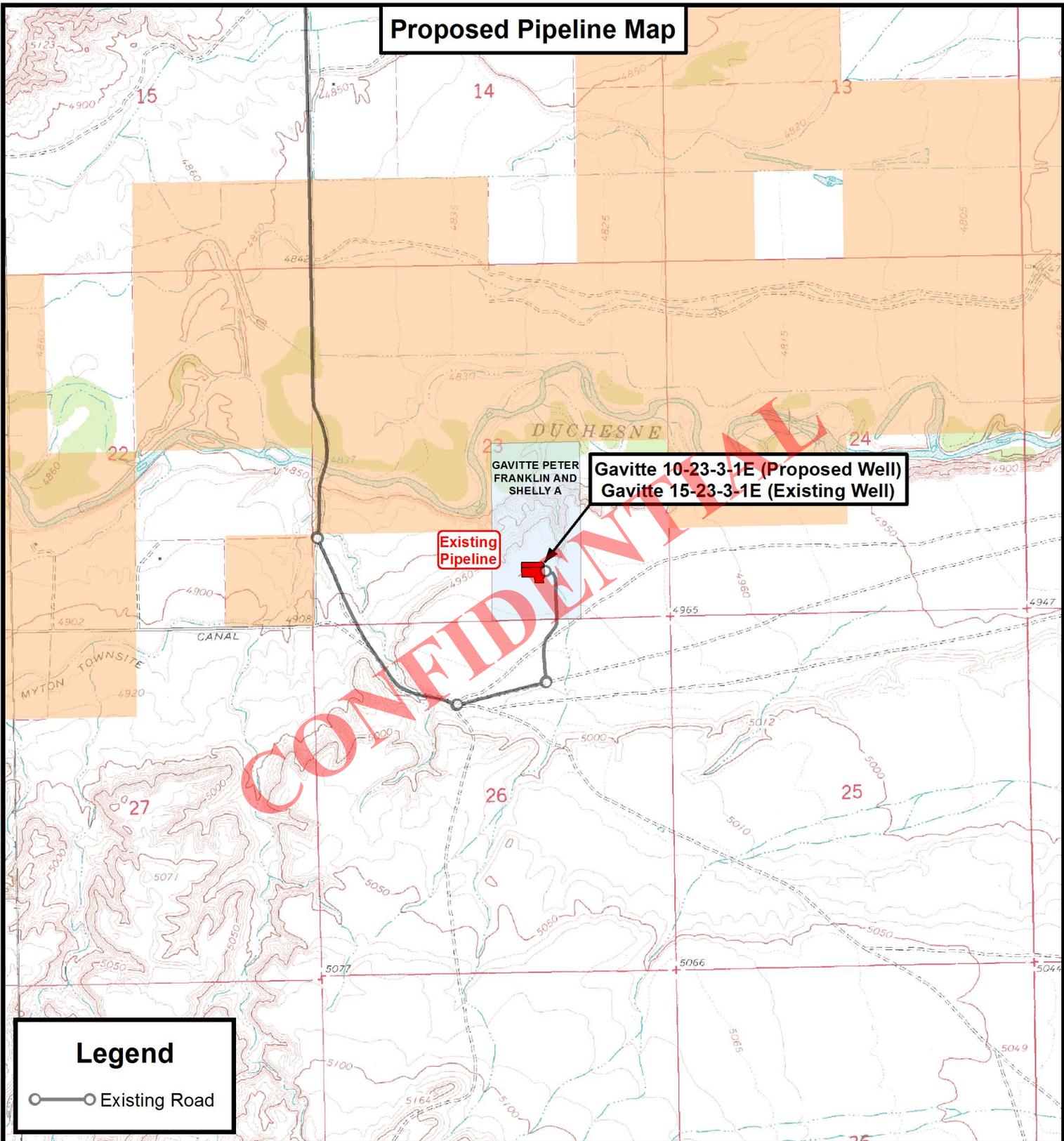
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 Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	06-03-14	
SCALE:	1" = 2,000'	

**TOPOGRAPHIC MAP**

SHEET  
**C**

**Proposed Pipeline Map**



**Legend**

○—○ Existing Road

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**CRESCENT POINT ENERGY U.S. CORP.**

Gavitte 10-23-3-1E (Proposed Well)  
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Sec. 23, T3S, R1E, U.S.B.&M.  
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	06-03-14	
SCALE:	1" = 2,000'	

**TOPOGRAPHIC MAP**

SHEET  
**D**



## Crescent Point Energy

Unitah County

Section 23 T3S, R1E

10-23-3-1E

Wellbore #1

Plan: Design #1

## Crescent Point Energy

06 August, 2014

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**Payzone Directional**  
Crescent Point Energy



<b>Company:</b>	Crescent Point Energy	<b>Local Co-ordinate Reference:</b>	Well 10-23-3-1E
<b>Project:</b>	Unitah County	<b>TVD Reference:</b>	10-23-3-1E @ 4990.0usft (EST KB)
<b>Site:</b>	Section 23 T3S, R1E	<b>MD Reference:</b>	10-23-3-1E @ 4990.0usft (EST KB)
<b>Well:</b>	10-23-3-1E	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #1	<b>Database:</b>	MasterDB

<b>Project</b>	Unitah County		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Section 23 T3S, R1E				
<b>Site Position:</b>	<b>Northing:</b>	7,251,050.30 usft	<b>Latitude:</b>	40° 12' 51.300 N	
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,103,006.34 usft	<b>Longitude:</b>	109° 50' 36.388 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	1.06 °

<b>Well</b>	10-23-3-1E, SHL LAT: 40 12 08.55 LONG: -109 50 51.76					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	7,246,703.26 usft	<b>Latitude:</b>	40° 12' 8.550 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	2,101,893.96 usft	<b>Longitude:</b>	109° 50' 51.760 W
<b>Position Uncertainty</b>	0.0 usft		<b>Wellhead Elevation:</b>	4,990.0 usft	<b>Ground Level:</b>	4,972.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	8/6/2014	10.84	65.89	52,079

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PROTOTYPE	<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.0	0.0	0.0	1.31

<b>Survey Tool Program</b>	<b>Date</b>	8/6/2014		
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>
0.0	9,031.2	Design #1 (Wellbore #1)		



**Payzone Directional**  
Crescent Point Energy



<b>Company:</b>	Crescent Point Energy	<b>Local Co-ordinate Reference:</b>	Well 10-23-3-1E
<b>Project:</b>	Unitah County	<b>TVD Reference:</b>	10-23-3-1E @ 4990.0usft (EST KB)
<b>Site:</b>	Section 23 T3S, R1E	<b>MD Reference:</b>	10-23-3-1E @ 4990.0usft (EST KB)
<b>Well:</b>	10-23-3-1E	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #1	<b>Database:</b>	MasterDB

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
0.0	0.00	0.00	0.0	-4,990.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
100.0	0.00	0.00	100.0	-4,890.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
200.0	0.00	0.00	200.0	-4,790.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
300.0	0.00	0.00	300.0	-4,690.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
400.0	0.00	0.00	400.0	-4,590.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
500.0	0.00	0.00	500.0	-4,490.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
600.0	0.00	0.00	600.0	-4,390.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
700.0	0.00	0.00	700.0	-4,290.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
800.0	0.00	0.00	800.0	-4,190.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
900.0	0.00	0.00	900.0	-4,090.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
1,000.0	0.00	0.00	1,000.0	-3,990.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
1,100.0	0.00	0.00	1,100.0	-3,890.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
1,200.0	0.00	0.00	1,200.0	-3,790.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
1,300.0	0.00	0.00	1,300.0	-3,690.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
1,400.0	0.00	0.00	1,400.0	-3,590.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
1,500.0	0.00	0.00	1,500.0	-3,490.0	0.0	0.0	0.0	0.00	7,246,703.26	2,101,893.96
<b>Start Build 1.50</b>										
1,600.0	1.50	1.31	1,600.0	-3,390.0	1.3	0.0	1.3	1.50	7,246,704.57	2,101,893.96
1,700.0	3.00	1.31	1,699.9	-3,290.1	5.2	0.1	5.2	1.50	7,246,708.50	2,101,893.98
1,800.0	4.50	1.31	1,799.7	-3,190.3	11.8	0.3	11.8	1.50	7,246,715.04	2,101,894.01
1,900.0	6.00	1.31	1,899.3	-3,090.7	20.9	0.5	20.9	1.50	7,246,724.19	2,101,894.05
2,000.0	7.50	1.31	1,998.6	-2,991.4	32.7	0.7	32.7	1.50	7,246,735.94	2,101,894.10
2,100.0	9.00	1.31	2,097.5	-2,892.5	47.0	1.1	47.0	1.50	7,246,750.29	2,101,894.16
2,200.0	10.50	1.31	2,196.1	-2,793.9	63.9	1.5	64.0	1.50	7,246,767.22	2,101,894.24
2,300.0	12.00	1.31	2,294.2	-2,695.8	83.4	1.9	83.5	1.50	7,246,786.73	2,101,894.32
2,400.0	13.50	1.31	2,391.7	-2,598.3	105.5	2.4	105.5	1.50	7,246,808.80	2,101,894.42
2,500.0	15.00	1.31	2,488.6	-2,501.4	130.1	3.0	130.2	1.50	7,246,833.42	2,101,894.53



**Payzone Directional**  
Crescent Point Energy



<b>Company:</b>	Crescent Point Energy	<b>Local Co-ordinate Reference:</b>	Well 10-23-3-1E
<b>Project:</b>	Unitah County	<b>TVD Reference:</b>	10-23-3-1E @ 4990.0usft (EST KB)
<b>Site:</b>	Section 23 T3S, R1E	<b>MD Reference:</b>	10-23-3-1E @ 4990.0usft (EST KB)
<b>Well:</b>	10-23-3-1E	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #1	<b>Database:</b>	MasterDB

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
2,600.0	16.50	1.31	2,584.9	-2,405.1	157.3	3.6	157.3	1.50	7,246,860.56	2,101,894.64
2,700.0	18.00	1.31	2,680.4	-2,309.6	186.9	4.3	187.0	1.50	7,246,890.21	2,101,894.77
2,800.0	19.50	1.31	2,775.0	-2,215.0	219.0	5.0	219.1	1.50	7,246,922.35	2,101,894.91
2,900.0	21.00	1.31	2,868.9	-2,121.1	253.6	5.8	253.7	1.50	7,246,956.97	2,101,895.07
2,971.5	22.07	1.31	2,935.4	-2,054.6	279.9	6.4	280.0	1.50	7,246,983.22	2,101,895.18
<b>Start 1855.2 hold at 2971.5 MD</b>										
3,000.0	22.07	1.31	2,961.8	-2,028.2	290.6	6.6	290.7	0.00	7,246,993.92	2,101,895.23
3,100.0	22.07	1.31	3,054.5	-1,935.5	328.2	7.5	328.2	0.00	7,247,031.50	2,101,895.39
3,200.0	22.07	1.31	3,147.1	-1,842.9	365.7	8.4	365.8	0.00	7,247,069.08	2,101,895.56
3,300.0	22.07	1.31	3,239.8	-1,750.2	403.3	9.2	403.4	0.00	7,247,106.66	2,101,895.72
3,400.0	22.07	1.31	3,332.5	-1,657.5	440.9	10.1	441.0	0.00	7,247,144.23	2,101,895.88
3,500.0	22.07	1.31	3,425.1	-1,564.9	478.4	10.9	478.6	0.00	7,247,181.81	2,101,896.05
3,600.0	22.07	1.31	3,517.8	-1,472.2	516.0	11.8	516.1	0.00	7,247,219.39	2,101,896.21
3,700.0	22.07	1.31	3,610.5	-1,379.5	553.6	12.6	553.7	0.00	7,247,256.97	2,101,896.38
3,800.0	22.07	1.31	3,703.1	-1,286.9	591.1	13.5	591.3	0.00	7,247,294.55	2,101,896.54
3,900.0	22.07	1.31	3,795.8	-1,194.2	628.7	14.4	628.9	0.00	7,247,332.12	2,101,896.70
4,000.0	22.07	1.31	3,888.5	-1,101.5	666.3	15.2	666.4	0.00	7,247,369.70	2,101,896.87
4,100.0	22.07	1.31	3,981.2	-1,008.8	703.8	16.1	704.0	0.00	7,247,407.28	2,101,897.03
4,200.0	22.07	1.31	4,073.8	-916.2	741.4	16.9	741.6	0.00	7,247,444.86	2,101,897.20
4,300.0	22.07	1.31	4,166.5	-823.5	779.0	17.8	779.2	0.00	7,247,482.44	2,101,897.36
4,400.0	22.07	1.31	4,259.2	-730.8	816.5	18.7	816.8	0.00	7,247,520.01	2,101,897.52
4,500.0	22.07	1.31	4,351.8	-638.2	854.1	19.5	854.3	0.00	7,247,557.59	2,101,897.69
4,589.7	22.07	1.31	4,435.0	-555.0	887.8	20.3	888.1	0.00	7,247,591.31	2,101,897.83
<b>Up. Green River</b>										
4,600.0	22.07	1.31	4,444.5	-545.5	891.7	20.4	891.9	0.00	7,247,595.17	2,101,897.85
4,700.0	22.07	1.31	4,537.2	-452.8	929.3	21.2	929.5	0.00	7,247,632.75	2,101,898.02
4,800.0	22.07	1.31	4,629.9	-360.1	966.8	22.1	967.1	0.00	7,247,670.33	2,101,898.18



**Payzone Directional**  
Crescent Point Energy



<b>Company:</b>	Crescent Point Energy	<b>Local Co-ordinate Reference:</b>	Well 10-23-3-1E
<b>Project:</b>	Unitah County	<b>TVD Reference:</b>	10-23-3-1E @ 4990.0usft (EST KB)
<b>Site:</b>	Section 23 T3S, R1E	<b>MD Reference:</b>	10-23-3-1E @ 4990.0usft (EST KB)
<b>Well:</b>	10-23-3-1E	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #1	<b>Database:</b>	MasterDB

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
4,826.7	22.07	1.31	4,654.6	-335.4	976.9	22.3	977.1	0.00	7,247,680.36	2,101,898.22
<b>Start Drop -1.50</b>										
4,900.0	20.97	1.31	4,722.8	-267.2	1,003.7	22.9	1,004.0	1.50	7,247,707.25	2,101,898.34
5,000.0	19.47	1.31	4,816.6	-173.4	1,038.3	23.7	1,038.6	1.50	7,247,741.82	2,101,898.49
5,100.0	17.97	1.31	4,911.3	-78.7	1,070.4	24.4	1,070.7	1.50	7,247,773.92	2,101,898.63
5,157.3	17.11	1.31	4,966.0	-24.0	1,087.7	24.8	1,087.9	1.50	7,247,791.20	2,101,898.71
<b>Mahogany</b>										
5,200.0	16.47	1.31	5,006.8	16.8	1,100.0	25.1	1,100.3	1.50	7,247,803.52	2,101,898.76
5,300.0	14.97	1.31	5,103.1	113.1	1,127.1	25.7	1,127.4	1.50	7,247,830.62	2,101,898.88
5,400.0	13.47	1.31	5,200.0	210.0	1,151.6	26.3	1,151.9	1.50	7,247,855.19	2,101,898.99
5,500.0	11.97	1.31	5,297.6	307.6	1,173.7	26.8	1,174.0	1.50	7,247,877.22	2,101,899.08
5,600.0	10.47	1.31	5,395.7	405.7	1,193.1	27.3	1,193.4	1.50	7,247,896.68	2,101,899.17
5,700.0	8.97	1.31	5,494.2	504.2	1,210.0	27.6	1,210.3	1.50	7,247,913.57	2,101,899.24
5,800.0	7.47	1.31	5,593.2	603.2	1,224.3	28.0	1,224.6	1.50	7,247,927.87	2,101,899.30
5,900.0	5.97	1.31	5,692.5	702.5	1,236.0	28.2	1,236.3	1.50	7,247,939.58	2,101,899.35
6,000.0	4.47	1.31	5,792.1	802.1	1,245.1	28.4	1,245.4	1.50	7,247,948.68	2,101,899.39
6,100.0	2.97	1.31	5,891.9	901.9	1,251.6	28.6	1,251.9	1.50	7,247,955.18	2,101,899.42
6,200.0	1.47	1.31	5,991.8	1,001.8	1,255.5	28.7	1,255.8	1.50	7,247,959.06	2,101,899.44
6,298.2	0.00	0.00	6,090.0	1,100.0	1,256.7	28.7	1,257.1	1.50	7,247,960.32	2,101,899.44
<b>Start 2733.0 hold at 6298.2 MD - Mahogany - 10-23-3-1E TGT</b>										
6,300.0	0.00	0.00	6,091.8	1,101.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
6,400.0	0.00	0.00	6,191.8	1,201.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
6,500.0	0.00	0.00	6,291.8	1,301.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
6,600.0	0.00	0.00	6,391.8	1,401.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
6,700.0	0.00	0.00	6,491.8	1,501.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
6,800.0	0.00	0.00	6,591.8	1,601.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
6,900.0	0.00	0.00	6,691.8	1,701.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44



**Payzone Directional**  
Crescent Point Energy



<b>Company:</b>	Crescent Point Energy	<b>Local Co-ordinate Reference:</b>	Well 10-23-3-1E
<b>Project:</b>	Unitah County	<b>TVD Reference:</b>	10-23-3-1E @ 4990.0usft (EST KB)
<b>Site:</b>	Section 23 T3S, R1E	<b>MD Reference:</b>	10-23-3-1E @ 4990.0usft (EST KB)
<b>Well:</b>	10-23-3-1E	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #1	<b>Database:</b>	MasterDB

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
7,000.0	0.00	0.00	6,791.8	1,801.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
7,100.0	0.00	0.00	6,891.8	1,901.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
7,200.0	0.00	0.00	6,991.8	2,001.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
7,299.2	0.00	0.00	7,091.0	2,101.0	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
<b>Douglas Creek</b>										
7,300.0	0.00	0.00	7,091.8	2,101.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
7,400.0	0.00	0.00	7,191.8	2,201.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
7,500.0	0.00	0.00	7,291.8	2,301.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
7,600.0	0.00	0.00	7,391.8	2,401.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
7,665.2	0.00	0.00	7,457.0	2,467.0	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
<b>Bl. Shale</b>										
7,700.0	0.00	0.00	7,491.8	2,501.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
7,800.0	0.00	0.00	7,591.8	2,601.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
7,835.2	0.00	0.00	7,627.0	2,637.0	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
<b>Castle Peak</b>										
7,900.0	0.00	0.00	7,691.8	2,701.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
8,000.0	0.00	0.00	7,791.8	2,801.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
8,100.0	0.00	0.00	7,891.8	2,901.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
8,105.2	0.00	0.00	7,897.0	2,907.0	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
<b>Uteland</b>										
8,200.0	0.00	0.00	7,991.8	3,001.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
8,231.2	0.00	0.00	8,023.0	3,033.0	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
<b>Wasatch</b>										
8,300.0	0.00	0.00	8,091.8	3,101.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
8,400.0	0.00	0.00	8,191.8	3,201.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
8,500.0	0.00	0.00	8,291.8	3,301.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
8,600.0	0.00	0.00	8,391.8	3,401.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
8,700.0	0.00	0.00	8,491.8	3,501.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44



**Payzone Directional**  
Crescent Point Energy



<b>Company:</b>	Crescent Point Energy	<b>Local Co-ordinate Reference:</b>	Well 10-23-3-1E
<b>Project:</b>	Utah County	<b>TVD Reference:</b>	10-23-3-1E @ 4990.0usft (EST KB)
<b>Site:</b>	Section 23 T3S, R1E	<b>MD Reference:</b>	10-23-3-1E @ 4990.0usft (EST KB)
<b>Well:</b>	10-23-3-1E	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #1	<b>Database:</b>	MasterDB

Planned Survey										
MD (usft)	Inc (°)	Azi (azimuth) (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	DLeg (°/100usft)	Northing (usft)	Easting (usft)
8,800.0	0.00	0.00	8,591.8	3,601.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
8,900.0	0.00	0.00	8,691.8	3,701.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
9,000.0	0.00	0.00	8,791.8	3,801.8	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
9,031.2	0.00	0.00	8,823.0	3,833.0	1,256.7	28.7	1,257.1	0.00	7,247,960.32	2,101,899.44
TD at 9031.2										

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
6,298.2	6,090.0	Mahogany		0.00		
8,105.2	7,897.0	Uteland		0.00		
4,589.7	4,435.0	Up. Green River		0.00		
7,835.2	7,627.0	Castle Peak		0.00		
5,157.3	4,966.0	Mahogany		0.00		
7,299.2	7,091.0	Douglas Creek		0.00		
8,231.2	8,023.0	Wasatch		0.00		
7,665.2	7,457.0	Bl. Shale		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
1,500.0	1,500.0	0.0	0.0	Start Build 1.50	
2,971.5	2,935.4	279.9	6.4	Start 1855.2 hold at 2971.5 MD	
4,826.7	4,654.6	976.9	22.3	Start Drop -1.50	
6,298.2	6,090.0	1,256.7	28.7	Start 2733.0 hold at 6298.2 MD	
9,031.2	8,823.0	1,256.7	28.7	TD at 9031.2	



**Payzone Directional**  
Crescent Point Energy



<b>Company:</b> Crescent Point Energy	<b>Local Co-ordinate Reference:</b> Well 10-23-3-1E
<b>Project:</b> Uintah County	<b>TVD Reference:</b> 10-23-3-1E @ 4990.0usft (EST KB)
<b>Site:</b> Section 23 T3S, R1E	<b>MD Reference:</b> 10-23-3-1E @ 4990.0usft (EST KB)
<b>Well:</b> 10-23-3-1E	<b>North Reference:</b> True
<b>Wellbore:</b> Wellbore #1	<b>Survey Calculation Method:</b> Minimum Curvature
<b>Design:</b> Design #1	<b>Database:</b> MasterDB

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

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Well Name: 10-23-3-1E  
 Surface Location: Section 23 T3S, R1E  
 North American Datum 1983 US State Plane 1983 Utah Central Zone  
 Ground Elevation: 4972.0  
 +N/-S +E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 7246703.26 2101893.96 40° 12' 8.550 N 109° 50' 51.760 W  
 EST KB 10-23-3-1E @ 4990.0usft (EST KB)



Azimuths to True North  
 Magnetic North: 10.85°  
 Magnetic Field  
 Strength: 52078.9snT  
 Dip Angle: 65.89°  
 Date: 8/6/2014  
 Model: IGRF2010

Section 23 T3S, R1E  
 10-23-3-1E  
 Design #1  
 14:07, August 06 2014

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
10-23-3-1E TGT	6090.0	1256.7	28.7	7247960.32	2101899.44	40° 12' 20.970 N	109° 50' 51.390 W	Point

ANNOTATIONS

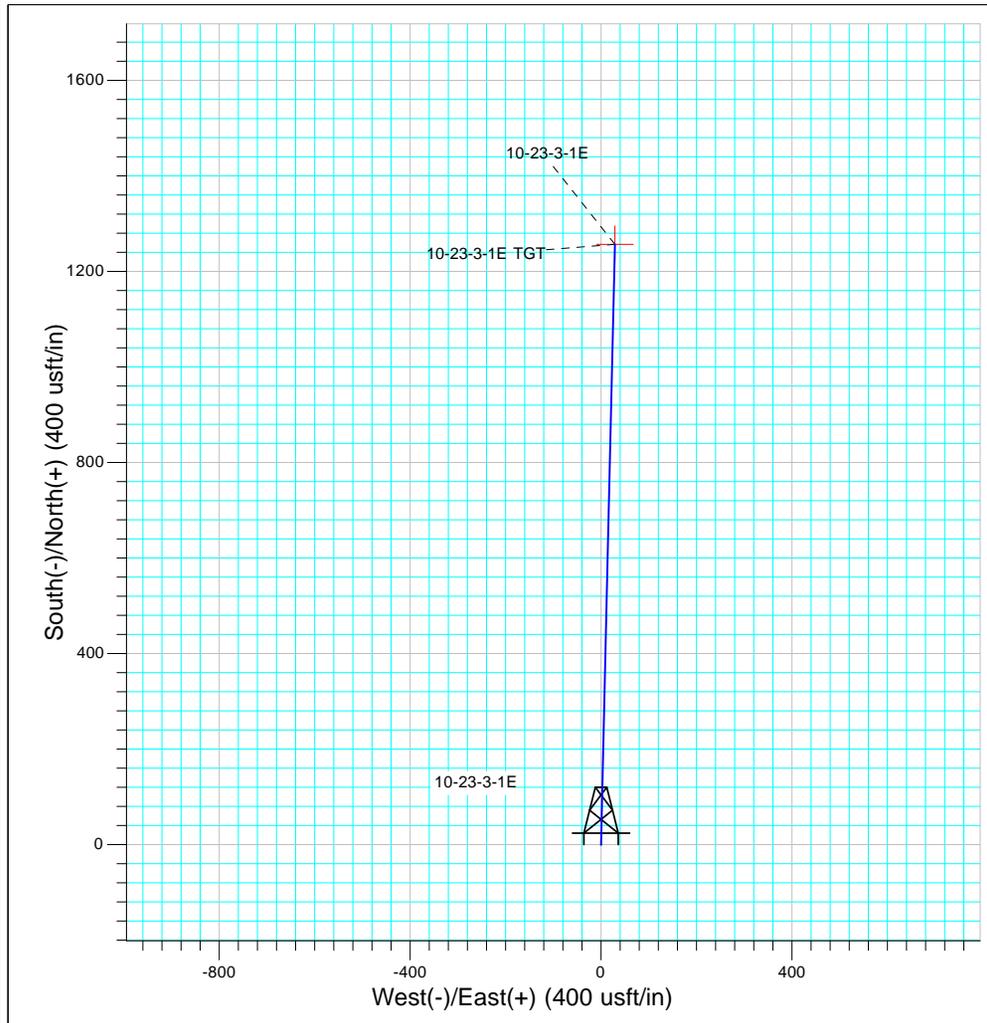
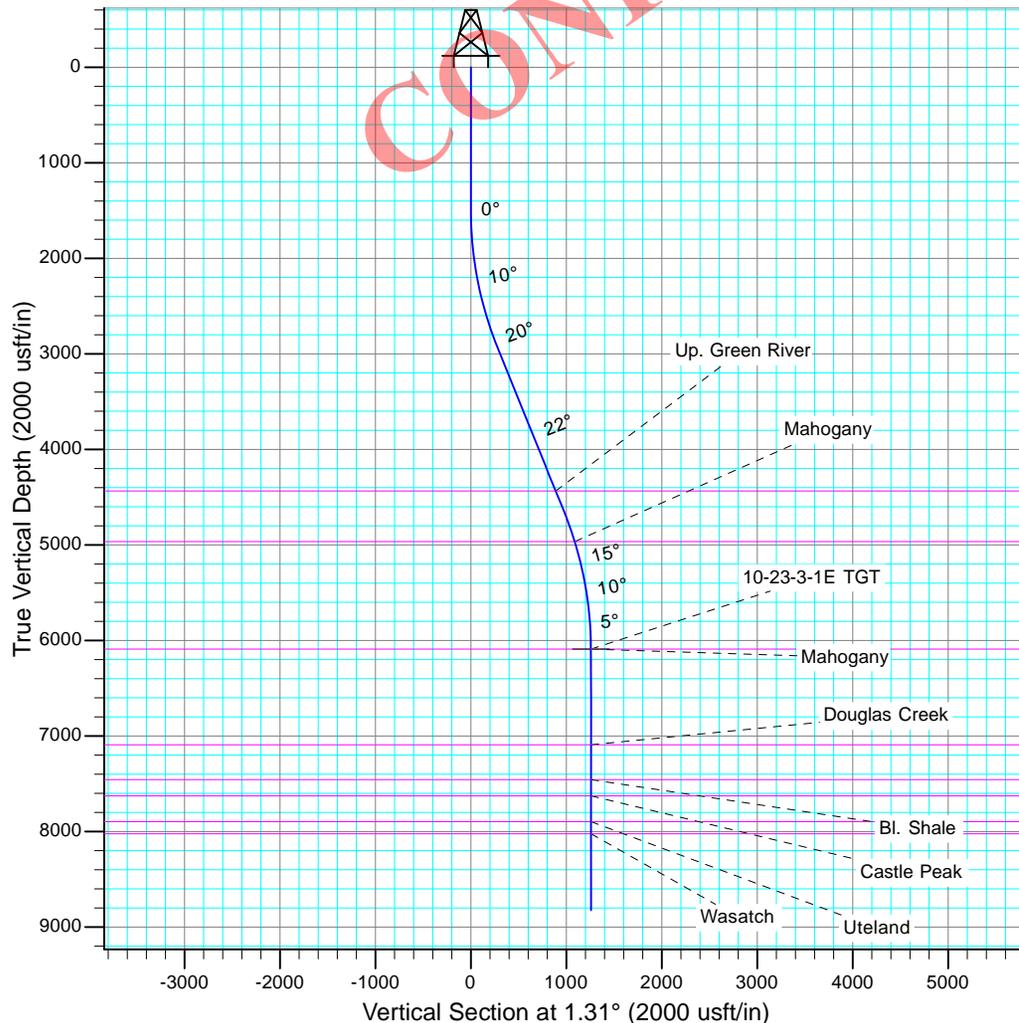
TVD	MD	Annotation
1500.0	1500.0	Start Build 1.50
2935.4	2971.5	Start 1855.2 hold at 2971.5 MD
4654.6	4826.7	Start Drop -1.50
6090.0	6298.2	Start 2733.0 hold at 6298.2 MD
8823.0	9031.2	TD at 9031.2

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2971.5	22.07	1.31	2935.4	279.9	6.4	1.50	1.31	280.0	
4	4826.7	22.07	1.31	4654.6	976.9	22.3	0.00	0.00	977.1	
5	6298.2	0.00	0.00	6090.0	1256.7	28.7	1.50	180.00	1257.1	10-23-3-1E TGT
6	9031.2	0.00	0.00	8823.0	1256.7	28.7	0.00	0.00	1257.1	

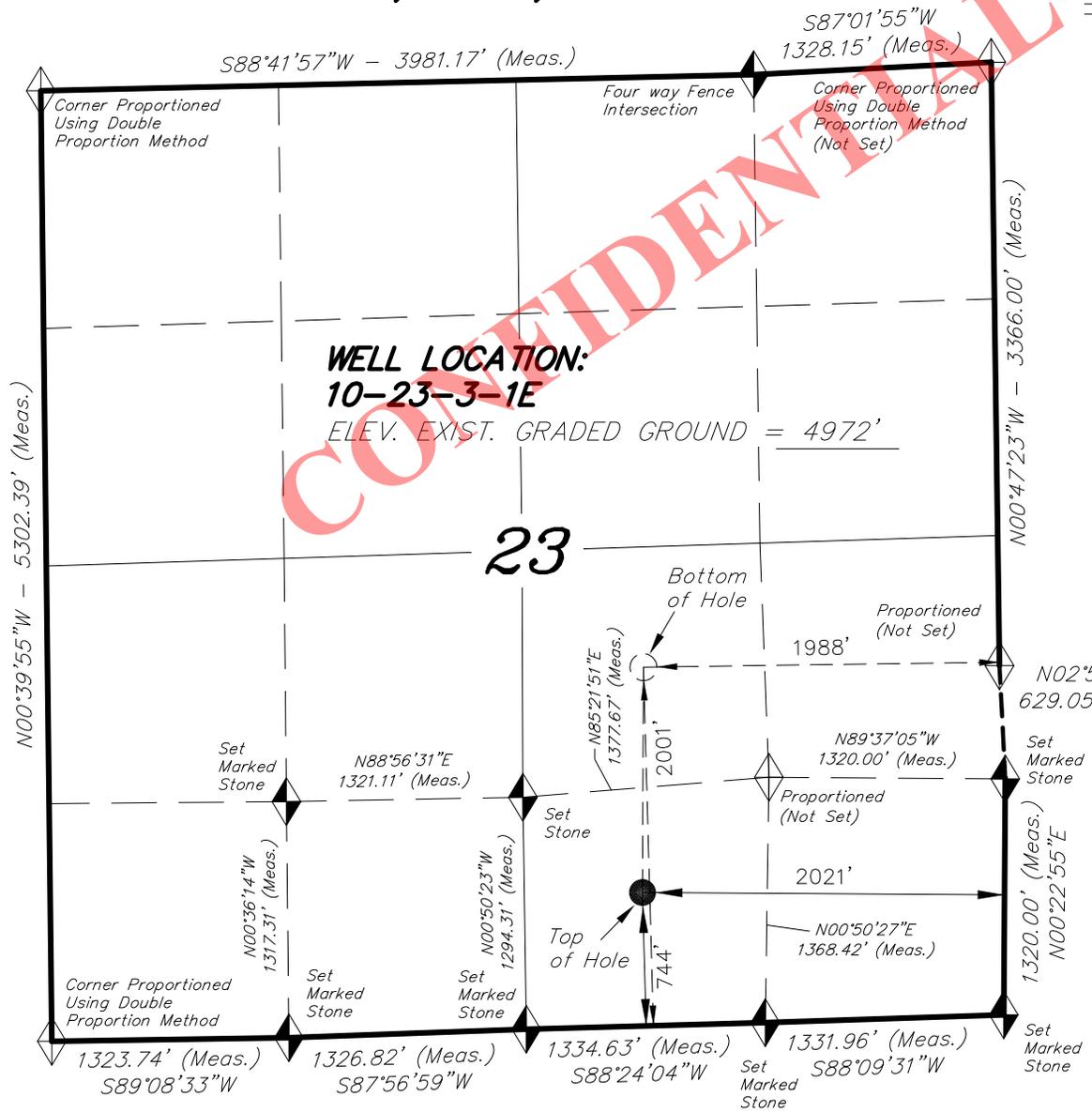
FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
4435.0	4589.7	Up. Green River	0.00	
4966.0	5157.3	Mahogany	0.00	
6090.0	6298.2	Mahogany	0.00	
7091.0	7299.2	Douglas Creek	0.00	
7457.0	7665.2	Bl. Shale	0.00	
7627.0	7835.2	Castle Peak	0.00	
7897.0	8105.2	Uteland	0.00	
8023.0	8231.2	Wasatch	0.00	



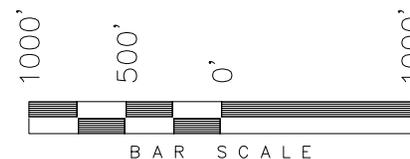
# T3S, R1E, U.S.B.&M.

# CRESCENT POINT ENERGY U.S. CORP.



WELL LOCATION, GAVITTE 10-23-3-1E, LOCATED AS SHOWN IN THE SW 1/4 SE 1/4 OF SECTION 23, T3S, R1E, U.S.B.&M. UTAH COUNTY, UTAH.

TARGET BOTTOM HOLE, GAVITTE 10-23-3-1E, LOCATED AS SHOWN IN THE NW 1/4 SE 1/4 OF SECTION 23, T3S, R1E, U.S.B.&M. UTAH COUNTY, UTAH.



**NOTES:**

1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.
3. The Bottom of Hole bears N00°14'13"E 1257.17' from the Top of Hole.

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



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

BOTTOM HOLE LOCATION NAD 83 LAT. & LONG.	SURFACE LOCATION NAD 83 LAT. & LONG.
LATITUDE = 40°12'20.97"	LATITUDE = 40°12'08.55"
LONGITUDE = 109°50'51.39"	LONGITUDE = 109°50'51.76"
UTM NAD 83 ZONE 12 METERS	UTM NAD 83 ZONE 12 METERS
NORTHING = 4451238.796	NORTHING = 4450855.843
EASTING = 598072.891	EASTING = 598069.205

**TRI STATE LAND SURVEYING & CONSULTING**  
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078  
 (435) 781-2501

DATE SURVEYED: 04-26-14	SURVEYED BY: C.S.
DATE DRAWN: 05-15-14	DRAWN BY: F.T.M.
REVISED:	SCALE: 1" = 1000'



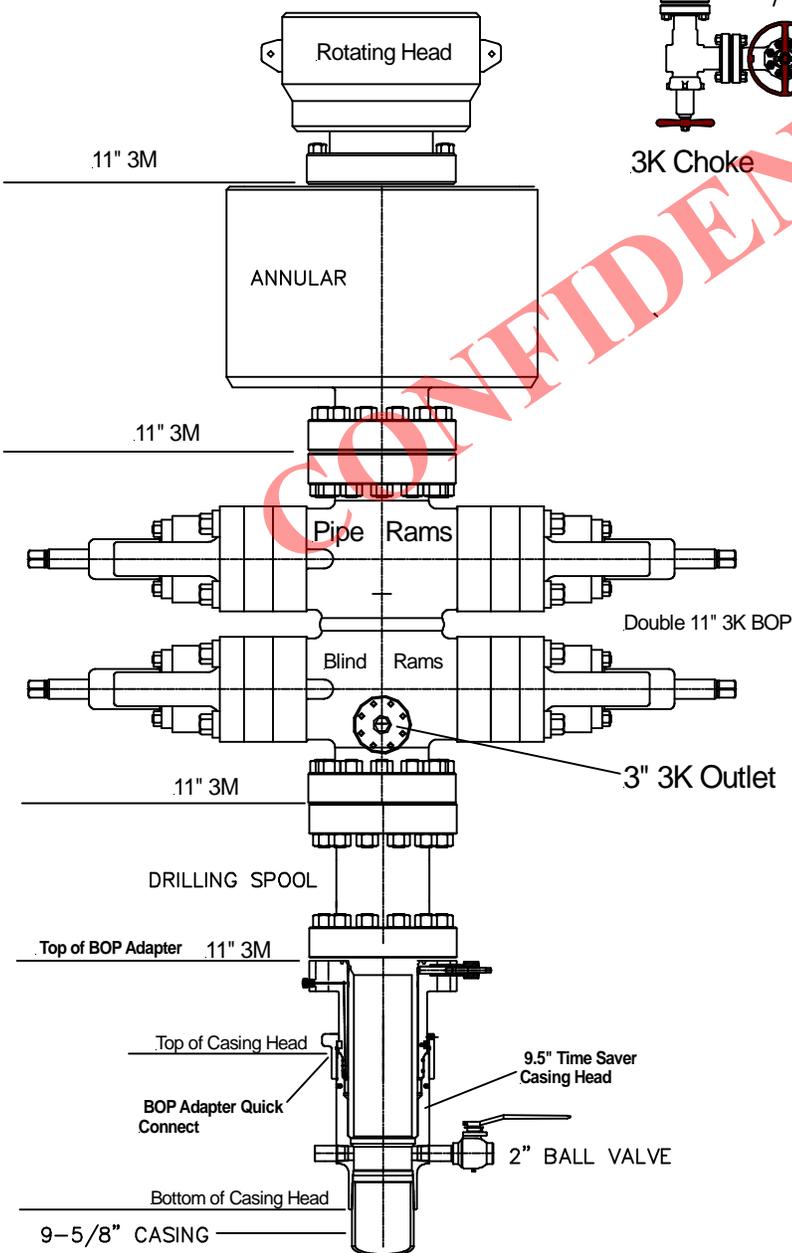


519 E. 300 S.  
Vernal, UT 84078  
P435-781-0434  
F435-789-5656

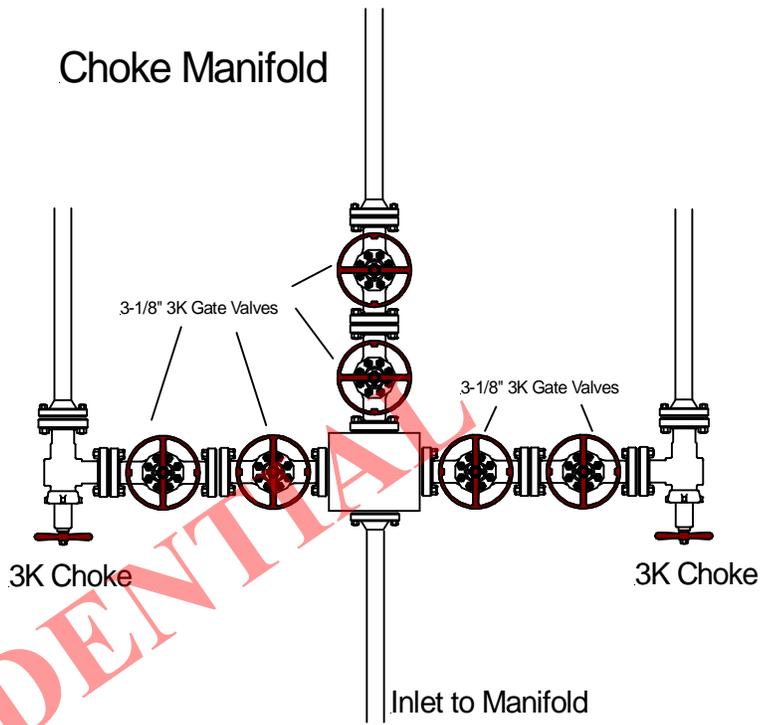
Oct, 18, 2013



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



**Choke Manifold**





September 15, 2014

State of Utah  
Division of Oil, Gas and Mining  
ATTN: Brad Hill  
1594 West North Temple  
Salt Lake City, UT 84116

RE: **Gavitte 10-23-3-1E**  
Section 23, T3S, R1E  
Uintah County, Utah

Dear Mr. Hill,

Crescent Point Energy ("CPE") proposes to drill the **Gavitte 10-23-3-1E** directionally in accordance with R649-3-11 from a surface location of 744' FSL & 2021' FEL of Section 23, T3S, R1E. With a surface location outside the 400 square foot window in the center of the quarter-quarter, this well would be considered an Exception to Location and Siting of Wells under R649-3-3. CPE owns 100% of the leasehold within a 460' radius of the proposed well location.

Due to these circumstances, CPE respectfully requests that DOGM administratively grant an exception location and directional drilling for the **Gavitte 10-23-3-1E**.

If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-382-6786 or by email at [rwaller@crescentpointenergy.com](mailto:rwaller@crescentpointenergy.com). Your consideration of this matter is greatly appreciated.

Sincerely,

Ryan Waller  
Landman

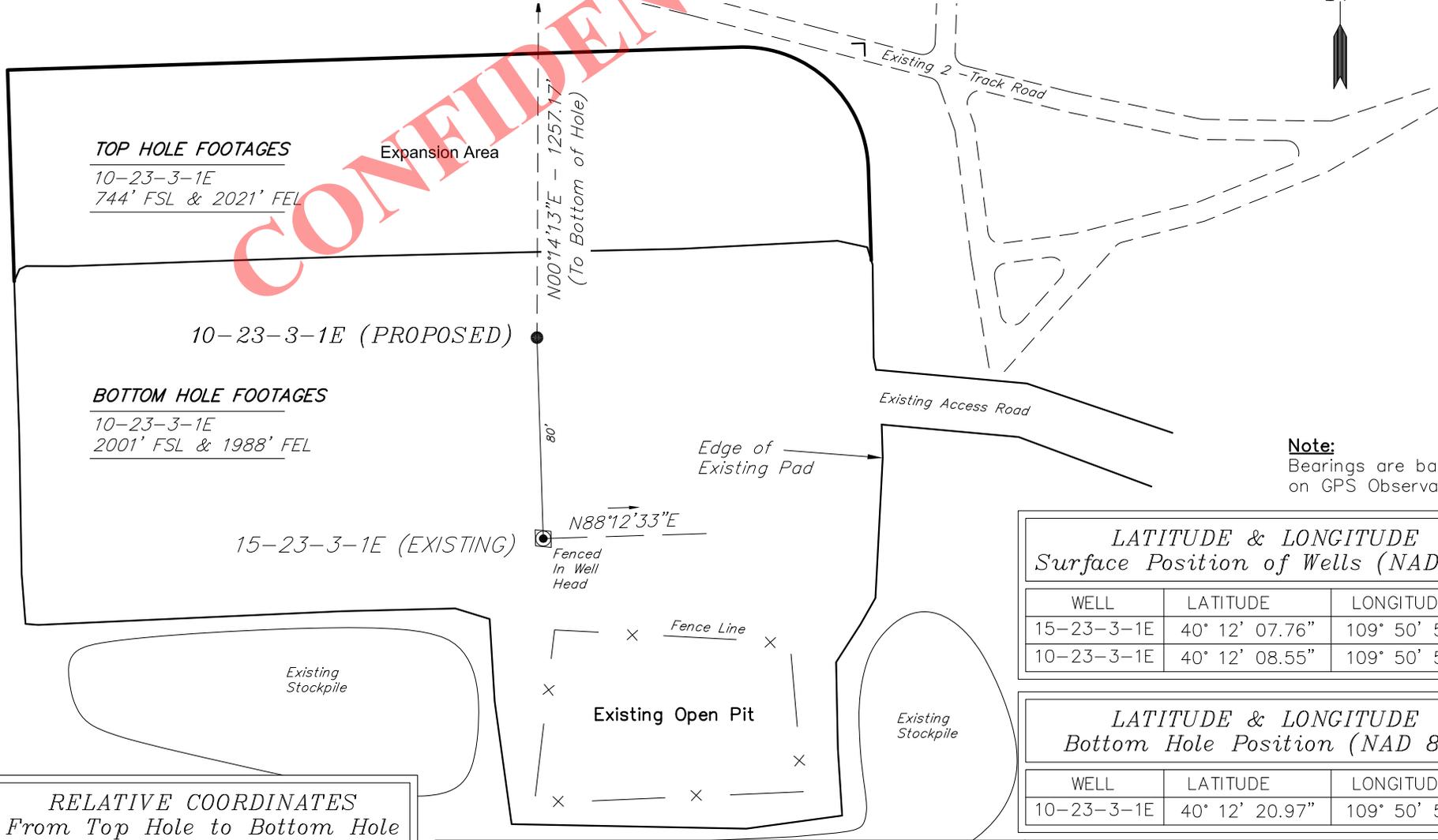
# CRESCENT POINT ENERGY U.S. CORP.

## WELL PAD INTERFERENCE PLAT

**GAVITTE 10-23-3-1E (Proposed Well)**

**GAVITTE 15-23-3-1E (Existing Well)**

Pad Location: SWSE Section 23, T3S, R1E, U.S.B.&M.



**TOP HOLE FOOTAGES**

10-23-3-1E  
744' FSL & 2021' FEL

**BOTTOM HOLE FOOTAGES**

10-23-3-1E  
2001' FSL & 1988' FEL

**Note:**  
Bearings are based on GPS Observations.

<i>LATITUDE &amp; LONGITUDE Surface Position of Wells (NAD 83)</i>		
WELL	LATITUDE	LONGITUDE
15-23-3-1E	40° 12' 07.76"	109° 50' 51.75"
10-23-3-1E	40° 12' 08.55"	109° 50' 51.76"

<i>LATITUDE &amp; LONGITUDE Bottom Hole Position (NAD 83)</i>		
WELL	LATITUDE	LONGITUDE
10-23-3-1E	40° 12' 20.97"	109° 50' 51.39"

<i>RELATIVE COORDINATES From Top Hole to Bottom Hole</i>		
WELL	NORTH	EAST
10-23-3-1E	1,257'	5'

SURVEYED BY: C.S.	DATE SURVEYED: 04-26-14
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-14
SCALE: 1" = 60'	REVISED:

*Tri State* (435) 781-2501  
**Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

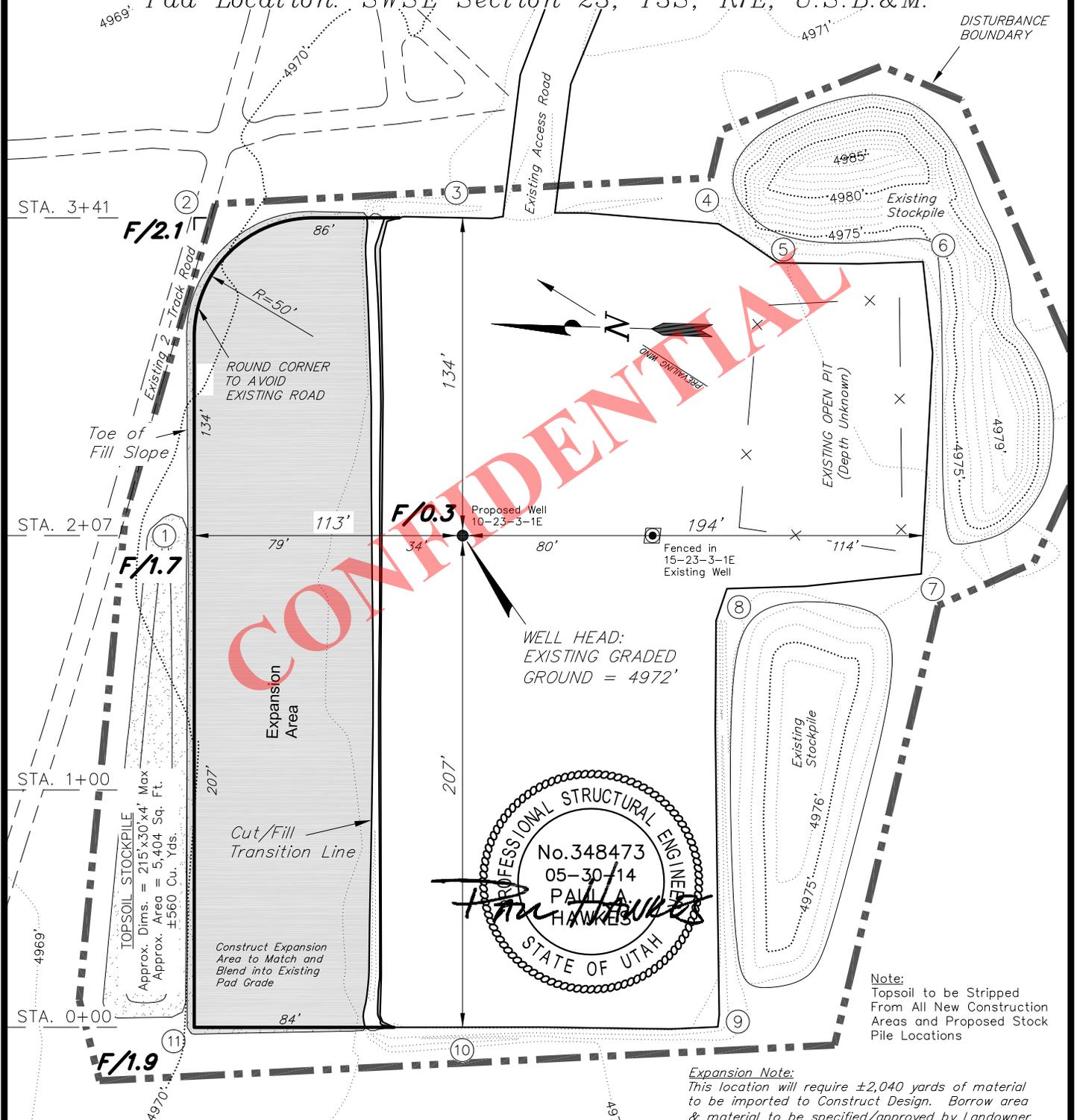
# CRESCENT POINT ENERGY U.S. CORP.

## PROPOSED LOCATION LAYOUT

**GAVITTE 10-23-3-1E (Proposed Well)**

**GAVITTE 15-23-3-1E (Existing Well)**

Pad Location: SWSE Section 23, T3S, R1E, U.S.B.&M.



**CONFIDENTIAL**

PROFESSIONAL STRUCTURAL ENGINEER  
 No. 348473  
 05-30-14  
 PAULA HAWKES  
 STATE OF UTAH

**Note:**  
 Topsoil to be Stripped From All New Construction Areas and Proposed Stock Pile Locations

**Expansion Note:**  
 This location will require ±2,040 yards of material to be imported to Construct Design. Borrow area & material to be specified/approved by Landowner and the Operator.

**Berm Note:**  
 Construct 2' High Berm around Perimeter of Pad, Except when Cut Exceeds 2'. Blend new Constructed Berm into Existing Pad Berm where Required.

**NOTE:**  
 The topsoil area is calculated as being a mound containing 560 cubic yards of dirt (a 10% fluff factor is included). The mound area is calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

SURVEYED BY: C.S.	DATE SURVEYED: 04-26-14
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-14
SCALE: 1" = 60'	REVISED:

**Tri State Land Surveying, Inc.** (435) 781-2501  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Figure 1

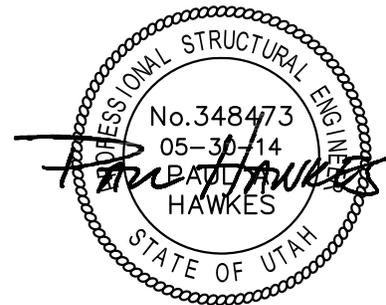
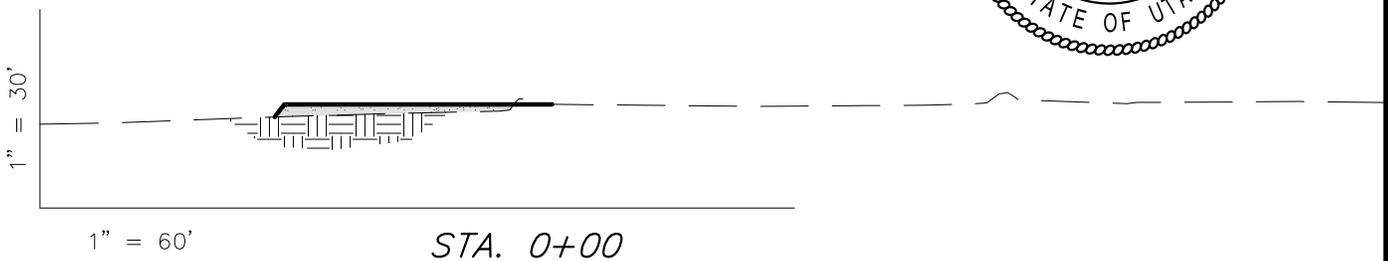
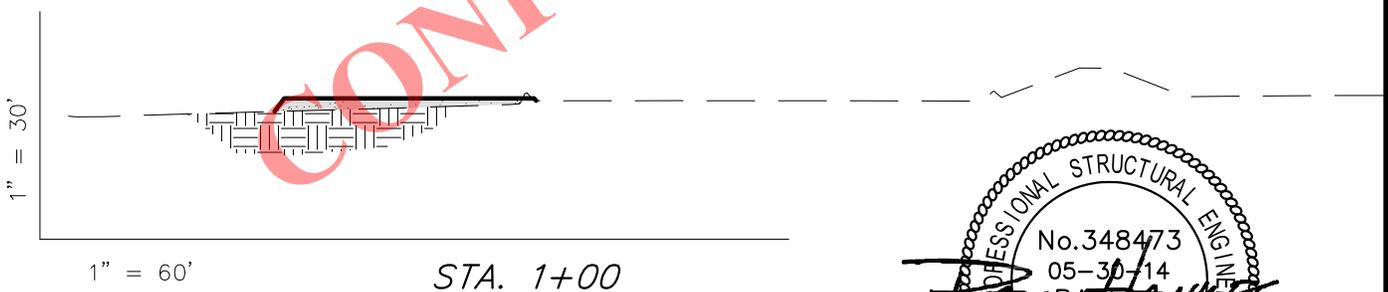
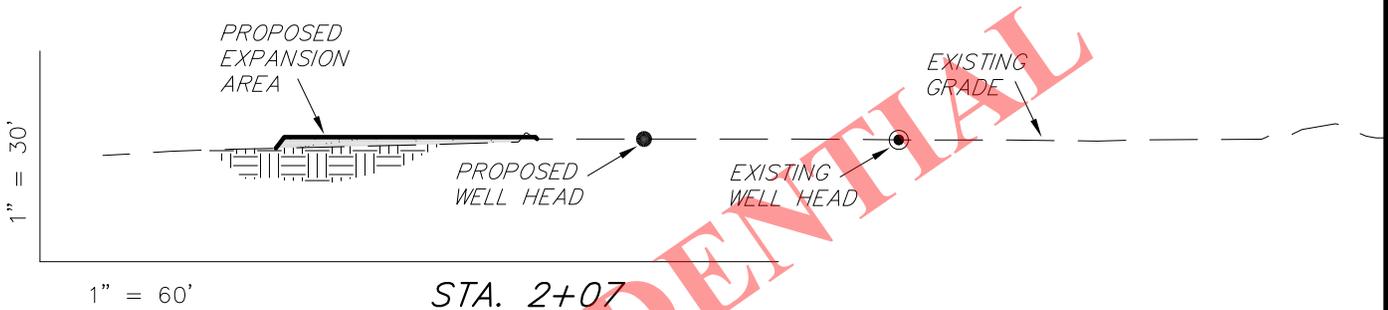
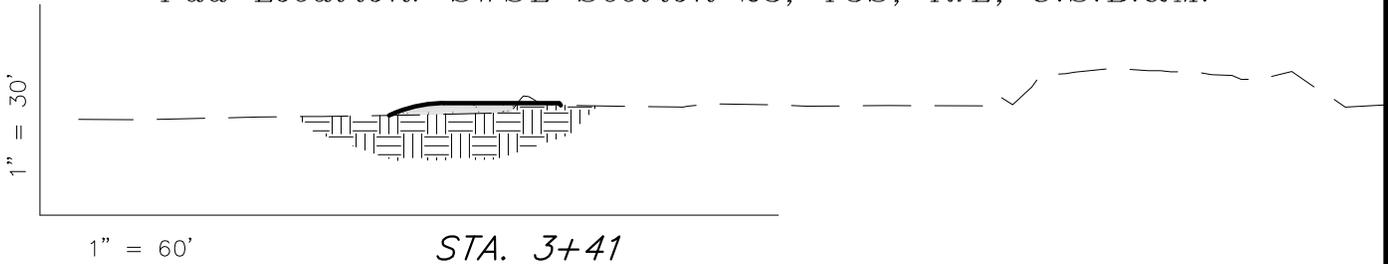
# CRESCENT POINT ENERGY U.S. CORP.

## CROSS SECTIONS

**GAVITTE 10-23-3-1E (Proposed Well)**

**GAVITTE 15-23-3-1E (Existing Well)**

Pad Location: SWSE Section 23, T3S, R1E, U.S.B.&M.



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NOTE:  
UNLESS OTHERWISE  
NOTED ALL CUT/FILL  
SLOPES ARE AT 1.5:1

Expansion Note:  
This location will require ±2,040 yards  
of material to be imported to  
Construct Design. Borrow area &  
material to be specified/approved by  
Landowner and the Operator.

**ESTIMATED EARTHWORK QUANTITIES**  
(No Shrink or swell adjustments have been used)  
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	0	1,850	Topsoil is not included in Pad Cut Volume	-1,850
PIT	N/A	N/A		N/A
<b>TOTALS</b>	<b>0</b>	<b>1,850</b>	<b>510</b>	<b>-1,850</b>

SURVEYED BY: C.S.	DATE SURVEYED: 04-26-14
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-14
SCALE: 1" = 60'	REVISED:

**Tri State** (435) 781-2501  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Figure  
2

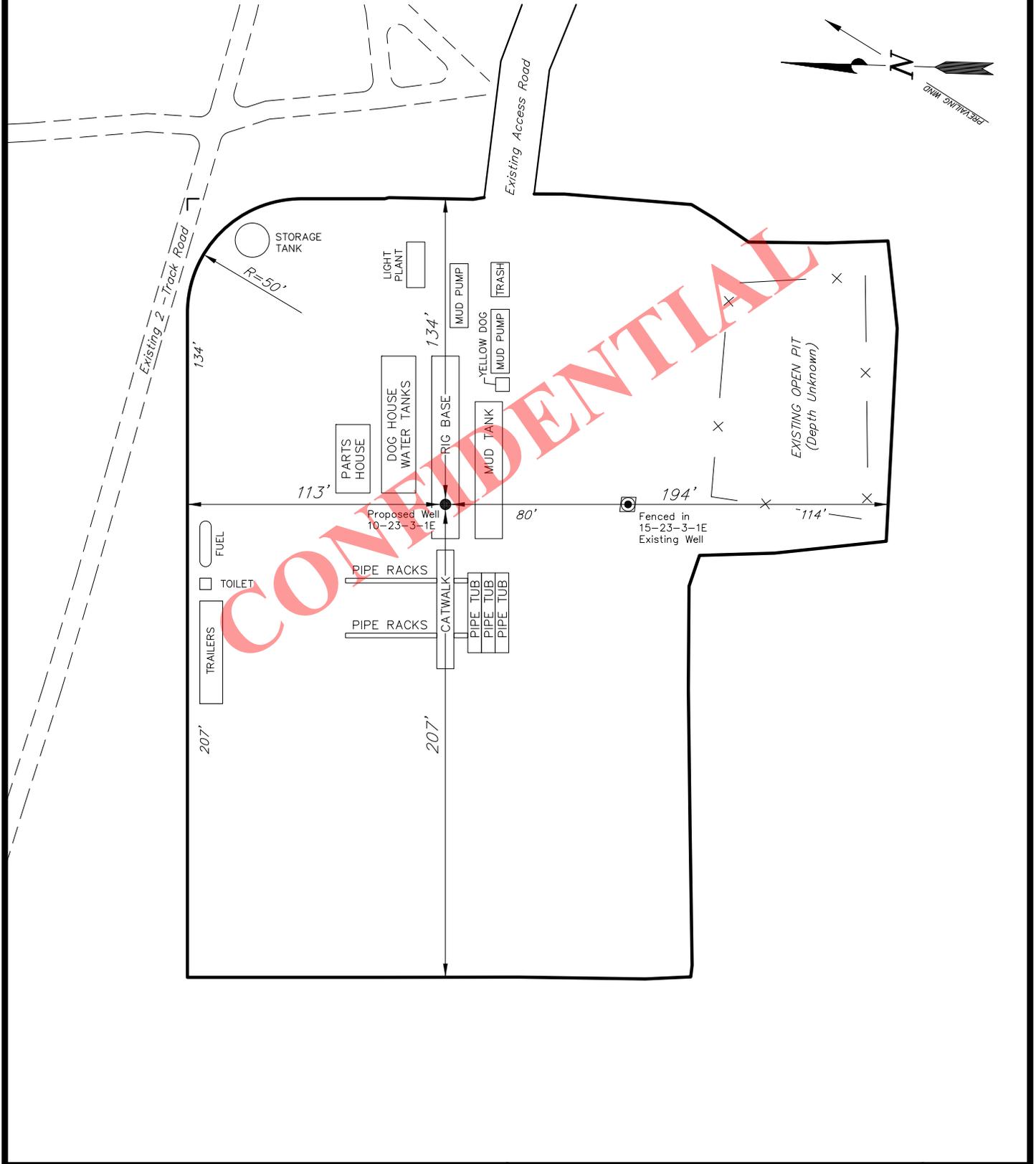
# CRESCENT POINT ENERGY U.S. CORP.

## TYPICAL RIG LAYOUT

**GAVITTE 10-23-3-1E (Proposed Well)**

**GAVITTE 15-23-3-1E (Existing Well)**

Pad Location: SWSE Section 23, T3S, R1E, U.S.B.&M.



SURVEYED BY: C.S.	DATE SURVEYED: 04-26-14
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-14
SCALE: 1" = 60'	REVISED:

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Figure 3

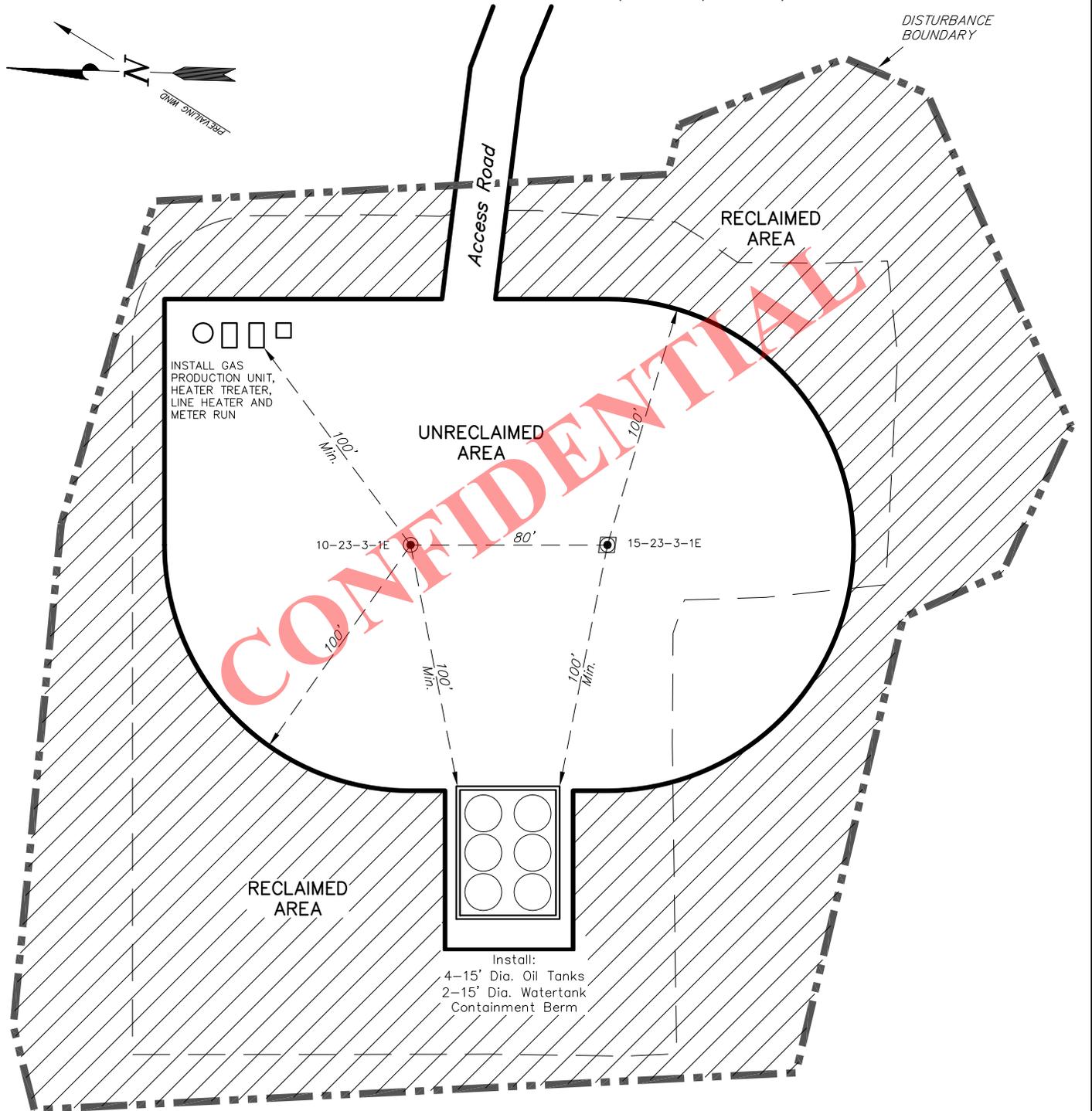
# CRESCENT POINT ENERGY U.S. CORP.

## RECLAMATION LAYOUT

**GAVITTE 10-23-3-1E (Proposed Well)**

**GAVITTE 15-23-3-1E (Existing Well)**

Pad Location: SWSE Section 23, T3S, R1E, U.S.B.&M.



**Notes:**

1. Reclaimed area to include seeding of approved vegetation and sufficient storm water management system.
2. Actual Equipment Layout and Reclaimed Pad Surface Area May Change due to Production Requirements or Site Conditions.

**DISTURBED AREA:**

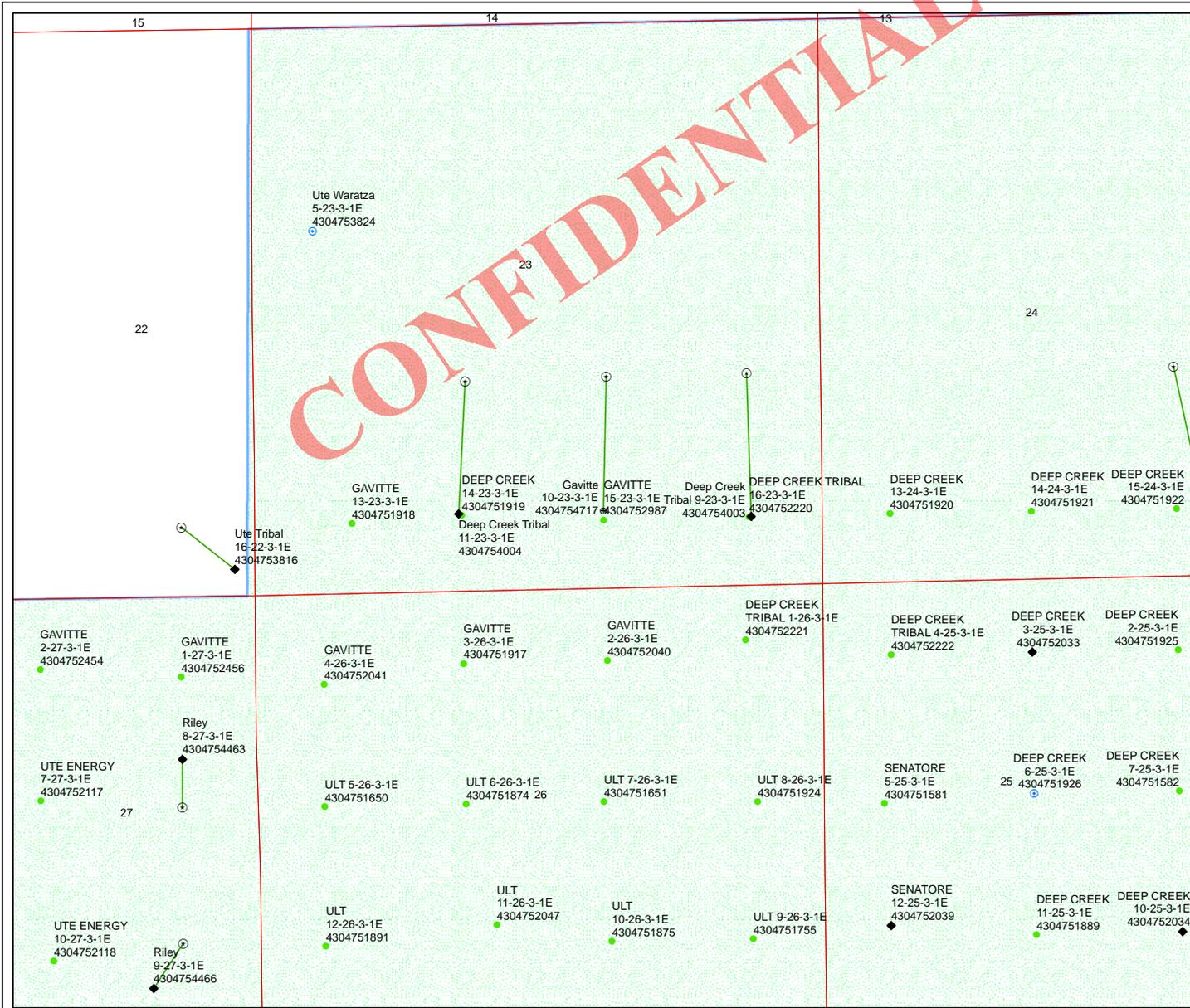
TOTAL DISTURBED AREA = 3.07 ACRES  
 TOTAL RECLAIMED AREA = 1.83 ACRES  
 UNRECLAIMED AREA = 1.24 ACRES

SURVEYED BY: C.S.	DATE SURVEYED: 04-26-14
DRAWN BY: F.T.M.	DATE DRAWN: 05-15-14
SCALE: 1" = 60'	REVISED:

**Tri State** (435) 781-2501  
 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

Figure 4

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**API Number: 4304754717**

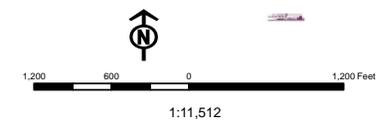
**Well Name: Gavitte 10-23-3-1E**

Township: T03.0S Range: R01.0E Section: 23 Meridian: U

Operator: CRESCENT POINT ENERGY U.S. CORP

Map Prepared: 9/10/2014  
Map Produced by Diana Mason

Wells Query		Units	
<b>Status</b>		<b>STATUS</b>	
◆ APD - Approved Permit		ACTIVE	
○ DRL - Spudded (Drilling Commenced)		EXPLORATORY	
↗ GW - Gas Injection		GAS STORAGE	
★ GS - Gas Storage		NF PP OIL	
⊕ LOC - New Location		NF SECONDARY	
⊖ OPS - Operation Suspended		PI OIL	
⊘ PA - Plugged Abandoned		PP GAS	
⊙ PGW - Producing Gas Well		PP GEOTHERML	
⊙ POW - Producing Oil Well		PP OIL	
⊙ SGW - Shut-in Gas Well		SECONDARY	
⊙ SOW - Shut-in Oil Well		TERMINATED	
⊙ TA - Temp. Abandoned			
○ TW - Test Well		<b>Fields</b>	
⊙ WDW - Water Disposal		<b>STATUS</b>	
⊙ WW - Water Injection Well		Unknown	
⊙ WSW - Water Supply Well		ABANDONED	
		ACTIVE	
		COMBINED	
		INACTIVE	
		STORAGE	
		TERMINATED	



Well Name	CRESCENT POINT ENERGY U.S. CORP Gavitte 10-23-3-1E 43047547			
String	COND	SURF	PROD	
Casing Size(")	16.000	9.625	5.500	
Setting Depth (TVD)	40	2100	8823	
Previous Shoe Setting Depth (TVD)	0	40	2100	
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)	4588		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

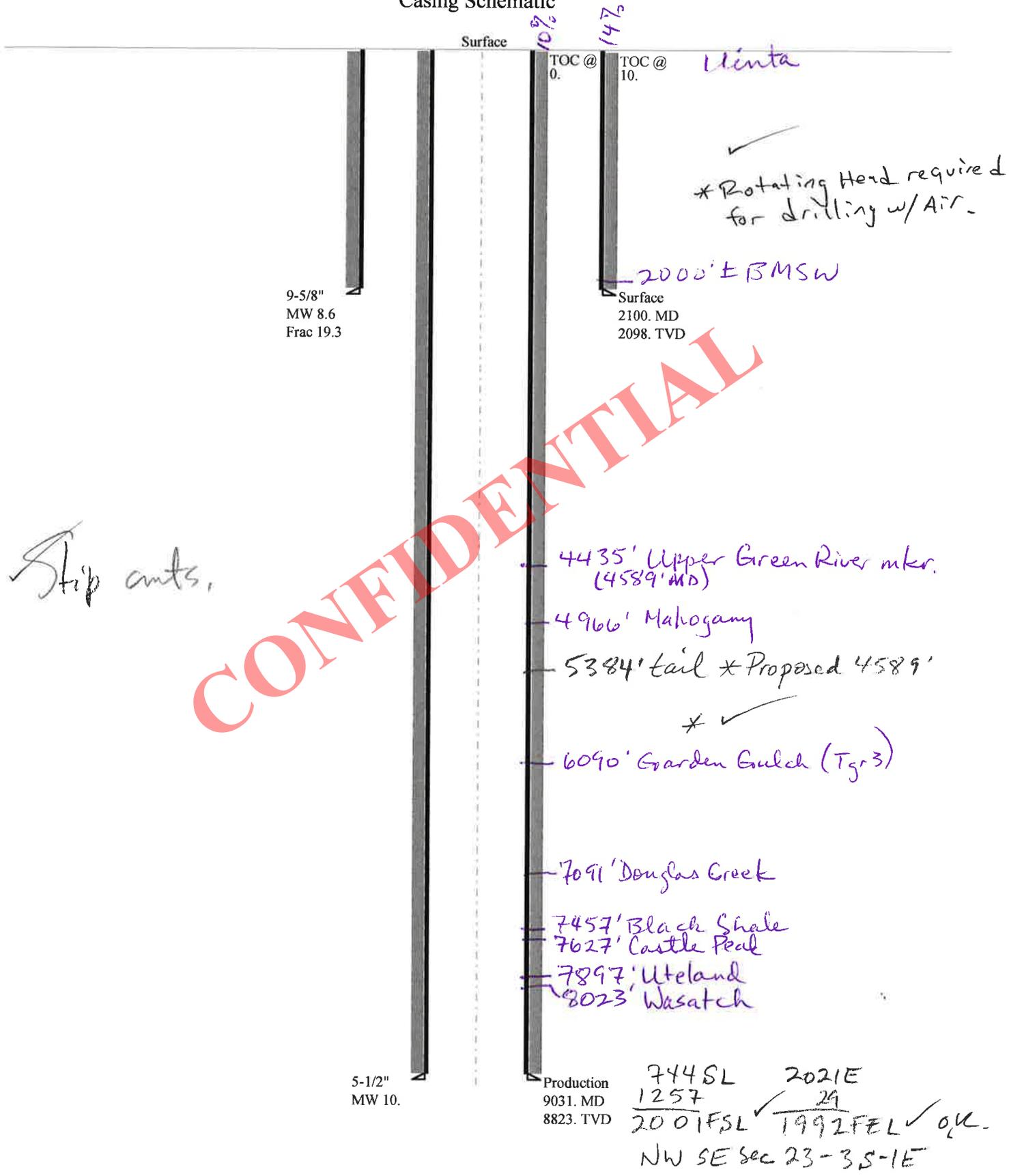
Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	906	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	654	NO diverter - ***Rotating Head Required
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	444	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	453	NO OK
Required Casing/BOPE Test Pressure=		2100	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=	4588	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3529	NO 3M BOPE annular, rotating head, dbl rams, drilling
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2647	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)=	3109	NO OK
Required Casing/BOPE Test Pressure=		3000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2100	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

# 43047547170000 Gavitte 10-23-3-1E

## Casing Schematic



10 8/16  
147

Uinta

\* Rotating Head required for drilling w/ Air.

2000'± BMSW

9-5/8"  
MW 8.6  
Frac 19.3

Surface  
2100. MD  
2098. TVD

Strip cuts.

**CONFIDENTIAL**

4435' Upper Green River mkr. (4589' MD)

4966' Mahogany

5384' tail \* Proposed 4589'

\* ✓

6090' Garden Gulch (Tgr 3)

7091' Douglas Creek

7457' Black Shale

7627' Castle Peak

7897' Uteland

8023' Wasatch

5-1/2"  
MW 10.

Production  
9031. MD  
8823. TVD

744SL	2021E
1257	29
2001FSL	1992FEL ✓ OK
NW SE Sec 23-3S-1E	

Well name:	<b>43047547170000 Gavitte 10-23-3-1E</b>	
Operator:	<b>CRESCENT POINT ENERGY U.S. CORP</b>	
String type:	Surface	Project ID: 43-047-54717
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: 103 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 100 ft

**Burst**

Max anticipated surface pressure: 1,846 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP 2,098 psi

No backup mud specified.

**Burst:**

Design factor 1.00

Cement top: 10 ft

**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)

Tension is based on buoyed weight.  
 Neutral point: 1,831 ft

**Directional well information:**

Kick-off point 1500 ft  
 Departure at shoe: 47 ft  
 Maximum dogleg: 1.5 °/100ft  
 Inclination at shoe: 9 °

**Re subsequent strings:**

Next setting depth: 8,823 ft  
 Next mud weight: 10.000 ppg  
 Next setting BHP: 4,583 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 2,098 ft  
 Injection pressure: 2,098 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	2100	9.625	36.00	J-55	ST&C	2098	2100	8.796	18254
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	937	1987	2.120	2098	3520	1.68	65.9	394	5.98 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 2098 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.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>43047547170000 Gavitte 10-23-3-1E</b>	
Operator:	<b>CRESCENT POINT ENERGY U.S. CORP</b>	
String type:	Production	Project ID: 43-047-54717
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: 198 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

**Burst**

Max anticipated surface pressure: 2,642 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 4,583 psi

No backup mud specified.

**Burst:**

Design factor 1.00

Cement top: Surface

**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)

Tension is based on buoyed weight.  
Neutral point: 7,693 ft

**Directional well information:**

Kick-off point 1500 ft  
Departure at shoe: 1257 ft  
Maximum dogleg: 1.5 °/100ft  
Inclination at shoe: 0 °

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	9031	5.5	17.00	E-80	LT&C	8823	9031	4.767	298023
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	4583	6290	1.372	4583	7740	1.69	127.2	320	2.51 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 8823 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.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

*Engineering responsibility for use of this design will be that of the purchaser.*

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** CRESCENT POINT ENERGY U.S. CORP  
**Well Name** Gavitte 10-23-3-1E  
**API Number** 43047547170000      **APD No** 10231      **Field/Unit** RANDLETT  
**Location: 1/4,1/4 SWSE Sec 23 Tw 3.0S Rng 1.0E 744 FSL 2021 FEL**  
**GPS Coord (UTM)** 598069 4450856      **Surface Owner** Peter Gavitte

### Participants

Don Hamilton - Starpoint; Mark Hecksel - Crescent Point; Dayton Slaugh - Tristate;

### Regional/Local Setting & Topography

This well is a new well on an existing location that will need to be expanded to accommodate the drilling. The host well is the Gavitte 15-23. The expansion extends about 80 feet into flat shrublands toward the river floodplain. No drainages will be impacted by the new disturbance. Original evaluation :

The general area is on Leland Bench, which is located about 8 miles southeast of Ft. Duchesne, Uintah County, Utah. Broad flats with low growing desert shrub type vegetation characterize Leland Bench. A few rolling hills and slopes leading to higher flats occur. Approximate altitude of location is 4950'. No springs, seeps or flowing streams are known to occur in the area. The Duchesne River is approximately 1 mile to the north. All lands in the immediate are privately owned. Ute Tribal lands lie to the northeast and southwest.

Access to the proposed well site is either by State Of Utah or Uintah County roads and existing or proposed oilfield development roads. Distance from Roosevelt, Utah is approximately 17 miles. Approximately 0.25 miles of low standard new road will be constructed

The proposed Gavitte 15-23-3-1E oil well is on a flat with a slight slope to the south. A rise or higher level occurs approximately 1/4 mile to the west. No swales or drainages occur in the immediate area. Both the surface and minerals are privately owned. Peter and Sheley Gavitte own the surface. Mr. And Mrs. Gavitte were contacted by telephone and invited to attend the pre-site visit. They said they would not attend. A surface use agreement has been completed. The location appears to be a good site for constructing a pad, drilling and operating a well.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Wildlfe Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0	Width 250 Length 350	Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

**Flora / Fauna**

Vegetation is a fair desert shrub-forb type. Main plants are horse-brush, Gardner salt-brush, broom snakeweed, bud sagebrush, black sagebrush, cheatgrass, curly mesquite grass, prickly pear, globe mallow, squirrel tail and annual forbs.

Because of the lack of water and cover the area is not rich in fauna. Antelope, coyotes, prairie dogs and small mammals and rodents occur. Some shrub dependent birds may occur but were not observed. Historically but not currently sheep grazed the area. Cattle now graze the area

**Soil Type and Characteristics**

Soils are a deep sandy loam with little rock.

**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?** N

**Reserve Pit**

Site-Specific Factors		Site Ranking
<b>Distance to Groundwater (feet)</b>	100 to 200	5
<b>Distance to Surface Water (feet)</b>	300 to 1000	2
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>		20
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
	<b>Final Score</b>	42
		1 Sensitivity Level

**Characteristics / Requirements**

A 100' x 60' x 15' deep reserve pit is planned in the old location. Since planning the pit has been closed. Operator is not sure what they intend now at this time. A closed loop system was mentioned. My reply was that I would permit a pit and then it would be an easy sundry to upgrade to closed loop. A liner with a minimum thickness of 16-mils is required. A sub-liner may not be needed because of the lack of rock in the area. Operator says they will lay a subliner. Flare pit will be constructed 15' x 30' x 5'

**Closed Loop Mud Required? N Liner Required? Y Liner Thickness 16 Pit Underlayment Required? N**

**Other Observations / Comments**

Peter and Sheley Gavitte own the surface. Mr. And Mrs. Gavitte were contacted by telephone and invited to attend the pre-site visit. They said they would not be able to attend but, would like to visit site and see whats happening as soon as they can get a flight out. Operator is willing to accommodate those wishes.

Chris Jensen  
Evaluator

10/1/2014  
Date / Time

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# 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
10231	43047547170000	LOCKED	OW	P	No
<b>Operator</b>	CRESCENT POINT ENERGY U.S. CORP		<b>Surface Owner-APD</b>	Peter Gavitte	
<b>Well Name</b>	Gavitte 10-23-3-1E		<b>Unit</b>		
<b>Field</b>	RANDLETT		<b>Type of Work</b>	DRILL	
<b>Location</b>	SWSE 23 3S 1E U 744 FSL 2021 FEL GPS Coord (UTM) 598061E 4450856N				

### Geologic Statement of Basis

Crescent Point proposes to set 40 feet of conductor and 1,500' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 2,000'. A search of Division of Water Rights records shows 3 water wells within a 10,000 foot radius of the center of Section 23. Depth is listed for only 2 wells at 15 and 49 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 although outside the spacing window as drilling in Section 10 may be considered unwise. Access road enters the pad from the east. The landowner or its representative was not in attendance for the pre-site inspection but, expressed no issues.

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. A River and riparian area can be found about 500 feet North of the site . The location was not previously surveyed for cultural and paleontological resources ( as the operator saw fit). I have advised the operator take all measures necessary to comply with 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. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues

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: 43047547170000

WELL NAME: Gavitte 10-23-3-1E

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

PHONE NUMBER: 720 880-3644

CONTACT: Emily Kate DeGrasse

PROPOSED LOCATION: SWSE 23 030S 010E

Permit Tech Review: 

SURFACE: 0744 FSL 2021 FEL

Engineering Review: 

BOTTOM: 2001 FSL 1988 FEL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.20237

LONGITUDE: -109.84781

UTM SURF EASTINGS: 598061.00

NORTHINGS: 4450856.00

FIELD NAME: RANDLETT

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: R649-3-11
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations:

- 1 - Exception Location - bhill
- 5 - Statement of Basis - bhill
- 12 - Cement Volume (3) - hmacdonald
- 15 - Directional - dmason
- 23 - Spacing - dmason
- 25 - Surface Casing - hmacdonald
- 27 - Other - ddoucet



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. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** Gavitte 10-23-3-1E  
**API Well Number:** 43047547170000  
**Lease Number:** FEE  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 12/11/2014

**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 R649-3-11. 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

**Exception Location:**

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

**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:**

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

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.

A properly lubricated and maintained rotating head IS required for drilling with air.

#### **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 over a faint, illegible stamp or background.

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> Gavitte 10-23-3-1E		
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP	<b>9. API NUMBER:</b> 43047547170000		
<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> RANDLETT	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0744 FSL 2021 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 23 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 3/31/2015  <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 Gavitte 10-23-3-1E with Pete Martin Rig 17 at 8:30 AM on 3/31/15 .			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 01, 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> 4/1/2015	



Proposed Casing & Cementing Program*Casing Design:*

Size	Interval		Weight	Grade	Coupling	Design Factors			
	Top	Bottom				Burst	Collapse	Tension	
<b>Conductor 16" Hole Size 24"</b>	0'	40'	65	H-40	STC	1,640	670	439	API
<b>Surface casing 8-5/8" Hole Size 12-1/4"</b>	0'	2,100'	24	J-55	STC	2,950 850 3.46	1,370 1,170 1.17	244,000 50,500 4.48	API Load SF
<b>Prod casing 5-1/2" Hole Size 7- 7/8"</b>	0'	8,818'	17	L-80	LTC	7,740 6,190 1.25	6,290 4,515 1.39	348,000 150,000 2.25	API Load SF

*Cementing Design:*

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
<b>Surface casing Lead</b>	1600' – Surface'	Class V 2% chlorides	75%	465	12.0	2.50
<b>Surface casing Tail</b>	2100' – 1600'	Class V 2% chlorides	75%	315	15.8	1.15
<b>Prod casing Lead</b>	4400' to Surface	Hifill Class V 3% chlorides	25% in open-hole, 0% in cased hole	260	11.0	3.46
<b>Prod casing Tail</b>	TD to 4400'	Class G 10% chlorides	15%	500	13.1	1.76

<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: Gavitte 10-23-3-1E
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP	9. API NUMBER: 43047547170000
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 , Denver, CO, 80202	PHONE NUMBER: 720 880-3621 Ext
	9. FIELD and POOL or WILDCAT: RANDLETT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0744 FSL 2021 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 23 Township: 03.0S Range: 01.0E Meridian: U	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/5/2015	<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 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 Gavitte 10-23-3-1E encompassing all drilling operations to date.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 May 05, 2015**

NAME (PLEASE PRINT) Valari Cray	PHONE NUMBER 303 880-3637	TITLE Drilling And Completion Tech
SIGNATURE N/A	DATE 5/5/2015	



### Daily Drilling Report

Report for: 3/31/2015  
 Report #: 1.0, DFS: -19.42  
 Depth Progress:

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location			License #				
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00		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 W.O.Air Rig					Operation Next 24hrs				
24 Hr Summary MIRU Pete Martin Rig #17, spud well @ 8:30 AM 3/31/2015 drill 52' KB 24" conductor hole,run & cement 52' KB 16" conductor pipe, Cmt.to Surf.with ReadyMix									

AFE Number 1704715US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
Target Formation Wasatch	Target Depth (ftKB) 9,031.0
Last Casing String Conductor, 52.0ftKB	
<b>Daily Contacts</b>	
Job Contact	Mobile

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

<b>Rigs</b>	
<b>Capstar Drilling, 329</b>	
Contractor Capstar Drilling	Rig Number 329
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

Mud Checks						
12.0ftKB, 4/30/2015 10:30						
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
DAP	10:30	12.0		33	7.0	11.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filterate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
12.000	22.000					
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

<b>&lt;des&gt;, &lt;make&gt;, &lt;model&gt;</b>		
Pump #	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)

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

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

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

<b>Safety Checks</b>		
Time	Type	Des
<b>Wellbores</b>		
Wellbore Name	KO MD (ftKB)	
Original Hole		



### Daily Drilling Report

Report for: 4/6/2015  
 Report #: 2.0, DFS: -13.42  
 Depth Progress:

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location			License #				
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00		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 Drig. F/40' T/1730					Operation Next 24hrs				

AFE Number 1704715US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
Target Formation Wasatch	Target Depth (ftKB) 9,031.0
Last Casing String Conductor, 52.0ftKB	

24 Hr Summary  
 MIRU ProPetro Rig 11 & DRILL 12 1/4" HOLE WITH CLOSED LOOP MUD SYS. F/40' T/1730'

Daily Contacts	
Job Contact	Mobile

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

Rigs	
Capstar Drilling, 329	
Contractor Capstar Drilling	Rig Number 329
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

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)		

<des>, <make>, <model>		
Pump #	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

#### 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					

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

#### 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
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Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



### Daily Drilling Report

Report for: 4/7/2015  
 Report #: 3.0, DFS: -12.42  
 Depth Progress:

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location			License #				
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	

AFE Number 1704715US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0

Completion Type							
Weather		Temperature (°F)		Road Condition		Hole Condition	

Target Formation Wasatch		Target Depth (ftKB) 9,031.0	
Last Casing String Conductor, 52.0ftKB			

Operation At 6am  
 Drig. F/1730' T/2150'  
 24 Hr Summary  
 DRILL F/1730' T/2162' KB TD SURVEY @2120' 2 DEG. CIRC.& COND. FOR 8 5/8" CSG.

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

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

<b>Rigs</b>	
<b>Capstar Drilling, 329</b>	
Contractor Capstar Drilling	Rig Number 329
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

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

<des>, <make>, <model>		
Pump #	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

**Drill Strings**

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

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

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

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



### Daily Drilling Report

Report for: 4/8/2015  
 Report #: 4.0, DFS: -11.42  
 Depth Progress:

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location			License #				
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00		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 W.O.Drig. Rig					Operation Next 24hrs				
24 Hr Summary TRIP OUT & RAN 2132' KB OF 8 5/8" J-55 LT&C CSG. & CMT. WITH PROPETRO									

AFE Number 1704715US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
Target Formation Wasatch	Target Depth (ftKB) 9,031.0
Last Casing String Surface, 2,132.0ftKB	
<b>Daily Contacts</b>	
Job Contact	Mobile

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

Rigs		
Capstar Drilling, 329		
Contractor Capstar Drilling	Rig Number 329	
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247	
<des>, <make>, <model>		
Pump #	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: 4/20/2015  
Report #: 5.0, DFS: 0.58  
Depth Progress: 268.00

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location			License #							
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00				
Completion Type							AFE Number 1704715US					
Start Depth (ftKB) 2,132.0		End Depth (ftKB) 2,400.0					Target Formation Wasatch		Target Depth (ftKB) 9,031.0			
Weather Good		Temperature (°F) 70.0			Road Condition Good		Hole Condition Good					
Operation At 6am Drig/ Slide 7 7/8 Prod Hole @ 2400				Operation Next 24hrs Drig/Silde 7 7/8 Prod Hole								
24 Hr Summary Howcroft Trucking Move Capstar 329 2.4 Miles F/ Riley 16-27-3-1E T/ Gavitte 10-23-3-1E, Nipple Up BOP and Fill Mud Tanks, Test BOP Equipment, 3000 pis F/ 10 minutes, Annular 10 1500 psi F/ 10 minutes, 8 5/8 Casing to 1500 F 30 minutes all test held OK, P/U Directional Tools, Trip in Hole Tag Cement @ 2074, Slip and Cut Drilling 80 ft, Drig Cement and Float Equipment F/ 2074 T 2132, Drig/ Slide 7 7/8 Prod Hole F/ 2132/ T 2400 268' @ 134 ft per hrs ( WOB 26 RPM 60 GPM 420)												
<b>Time Log</b>												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
15:00	16:00	1.00	1.00	1	RIGUP & TEARDOWN	Howcroft Trucking Move Capstar 329 2.4 Miles F/ Riley 16-27-3-1E T/ Gavitte 10-23-3-1E						
16:00	20:00	4.00	5.00	14	NIPPLE UP B.O.P	Nipple Up BOP, Install Zeco Equipment, Fill Mud Tanks						
20:00	23:00	3.00	8.00	15	TEST B.O.P	Test BOP Equipment, Test Pipe & Blind, Choke & Kill Line Manifold, All Valves to 3000 pis F/ 10 minutes, Annular 10 1500 psi F/ 10 minutes, 8 5/8 Casing to 1500 F 30 minutes all test held OK						
23:00	01:30	2.50	10.50	6	TRIPS	P/U Directional Tools and Trip in Hole						
01:30	02:30	1.00	11.50	9	CUT OFF DRILL LINE	Slip and Cut Drilling 80 ft						
02:30	03:30	1.00	12.50	6	TRIPS	Trip in Hole Tag Cement @ 2074						
03:30	04:00	0.50	13.00	21	OPEN	Drig Cement and Float Equipment F/ 2074 T 2132						
04:00	06:00	2.00	15.00	2	DRILL ACTUAL	Drig/ Slide 7 7/8 Prod Hole F/ 2132/ T 2400 268' @ 134 ft per hrs						
<b>Mud Checks</b>												
2,132.0ftKB, 4/20/2015 17:00												
Type DAP	Time 17:00	Depth (ftKB) 2,132.0	Density (lb/gal) 8.40	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)						
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)								
<b>Drill Strings</b>												
<b>BHA #1, Steerable</b>												
Bit Run 1	Drill Bit 7 7/8in, Z616, JK5101	Length (ft) 1.00	IADC Bit Dull 5-5-BT-A-X-0-WT-PR	TFA (incl Noz) (in²) 1.18	BHA ROP...							
Nozzles (1/32") 16/16/16/16/16		String Length (ft) 553.54		Max Nominal OD (in) 6.500								
String Components Smith Z616 s/n JK5101 Part 66156A0003 Z616, Hunting 6.5 1.5 bent 7/8 3.3 rev .16, UBHO, NMDC, NMDC, 6 1/2 DCS, HWDP												
Comment Bit #1 Smith Z616 s/n JK5101 w/ 6-16, 1-MM Hunting 6.5 1.5 7/8 3.3 rev .16 1-6.5 UBHO 2-6.5 NMDC 5-6.25 DCS 10-4.5 HWDP												
<b>Drilling Parameters</b>												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	2,132.0	2,400.0	268.00	2.00	134.0	420	26	60	1,200.0	46	73	10,515.0

Job Contact		Mobile	
SCOTT SEELY		435-828-1101	
Jesse Blanchard		435-828-2649	
<b>Rigs</b>			
<b>Capstar Drilling, 329</b>			
Contractor Capstar Drilling		Rig Number 329	
Rig Supervisor JEREMY DEAKIN		Phone Mobile 307-315-3247	
<b>&lt;des&gt;, &lt;make&gt;, &lt;model&gt;</b>			
Pump #	Pwr (hp)	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd No	Strokes (s...)	Eff (%)
<b>Mud Additive Amounts</b>			
Des	Field Est (Cost/unit)	Consumed	
Brine Plant Half Rental	384.00	1.0	
Engineering Rental	450.00	1.0	
Rental	50.00	1.0	
<b>Safety Checks</b>			
Time	Type	Des	
<b>Wellbores</b>			
Wellbore Name		KO MD (ftKB)	
Original Hole			



## Daily Drilling Report

Report for: 4/21/2015  
Report #: 6.0, DFS: 1.58  
Depth Progress: 2,058.00

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location			License #							
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00				
Completion Type							AFE Number 1704715US					
Weather Good		Temperature (°F) 72.0		Road Condition Good		Hole Condition Good		Start Depth (ftKB) 2,400.0				
Operation At 6am Drig/Slide 7 7/8 Prod Hole @ 4458 No Mud Loss		Operation Next 24hrs Drig/Silde 7 7/8 Prod Hole		Target Formation Wasatch		Target Depth (ftKB) 9,031.0		End Depth (ftKB) 4,458.0				
24 Hr Summary Drig/ Slide 7 7/8 Prod Hole F/ 2400' T/ 4458' 2058' @ 87.57 ft per hrs ( WOB 18-28 RPM 60 GPM 420) BBG 128-175 Conn 298 Peak 1062 @ 3867 Lithology SH 40% DOLST 35% CLYST 25%							Last Casing String Surface, 2,132.0ftKB					
Time Log							Daily Contacts					
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com		Job Contact				
06:00	14:00	8.00	8.00	2	DRILL ACTUAL	Drig/Silde F/2400' T/ 3332' 932' @ 116.5 ft per hr		SCOTT SEELY				
14:00	14:30	0.50	8.50	7	LUBRICATE RIG	Rig Service		435-828-1101				
14:30	06:00	15.50	24.00	2	DRILL ACTUAL	Drig/Slide F/ 3332' T/ 4458' 1126' @ 72.64 ft per hr		Jesse Blanchard				
Mud Checks		2,984.0ftKB, 4/21/2015 11:00										
Type DAP	Time 11:00	Depth (ftKB) 2,984.0	Density (lb/gal) 9.00	Funnel Viscosity (s/qt) 27	PV Override (cP) 1.0	YP OR (lb/100ft²) 1.000						
Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%) 8.5	Solids (%) 0.3						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 25,000.000	Calcium (mg/L) 100.000	Pf (mL/mL) 0.1	Pm (mL/mL)	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 0.0	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl) 800.0	Active Mud Volume (bbl) 520.0								
Drill Strings												
BHA #1, Steerable												
Bit Run 1	Drill Bit 7 7/8in, Z616, JK5101	Length (ft) 1.00	IADC Bit Dull 5-5-BT-A-X-0-WT-PR	TFA (incl Noz) (in²) 1.18	BHA ROP... 53.6							
Nozzles (1/32") 16/16/16/16/16/16		String Length (ft) 553.54		Max Nominal OD (in) 6.500								
String Components Smith Z616 s/n JK5101 Part 66156A0003 Z616, Hunting 6.5 1.5 bent 7/8 3.3 rev .16, UBHO, NMDC, NMDC, 6 1/2 DCS, HWDP												
Comment Bit #1 Smith Z616 s/n JK5101 w/ 6-16, 1-MM Hunting 6.5 1.5 7/8 3.3 rev .16 1-6.5 UBHO 2-6.5 NMDC 5-6.25 DCs 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	2,400.0	4,458.0	2,326.0 0	25.50	87.6	420	18	60	1,250.0	77	105	10,515.0
Wellbores												
Wellbore Name		KO MD (ftKB)										
Original Hole												



### Daily Drilling Report

Report for: 4/22/2015  
 Report #: 7.0, DFS: 2.58  
 Depth Progress: 872.00

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717	Surface Legal Location	License #
Spud Date 3/31/2015 08:30	Date TD Reached (wellbore) 4/27/2015 09:00	Rig Release Date 4/30/2015 14:00
	Ground Elevation (ft) 4,972.00	Orig KB Elev (ft) 4,984.00

Completion Type	Weather Good	Temperature (°F) 73.0	Road Condition Good	Hole Condition Good
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Operation At 6am  
 Drlg/Slide 7 7/8 Prod Hole @ 5330 No Mud Loss

Operation Next 24hrs  
 Drlg/Slide 7 7/8 Prod Hole

24 Hr Summary  
 Drlg/ Slide 7 7/8 Prod Hole F/ 4458' T/ 5330' 872' @ 37.91 ft per hr ( WOB 18-28 RPM 60 GPM 420) Rig Service, Slip and Cut Drlg Line 120 ft, Formation Mahogany Bench Top 5156 MD, BBG 185-325 Conn 436, Peak 5688 @ 4867, Lithology MRLST 40% SH 30% DOLST 25% SS 5%

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	17:00	11.00	11.00	2	DRILL ACTUAL	Drlg/Slide F/4458' T/4892' 434' @ 39.45 ft per hr
17:00	17:30	0.50	11.50	7	LUBRICATE RIG	Rig Service
17:30	18:00	0.50	12.00	9	CUT OFF DRILL LINE	Slip and Cut Drlg Line 120'
18:00	06:00	12.00	24.00	2	DRILL ACTUAL	Drlg/Slide F/4892' T/ 5330' 438' @ 36.5 ft per hr

**Mud Checks**

4,681.0ftKB, 4/22/2015 11:00

Type DAP	Time 11:00	Depth (ftKB) 4,681.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 30	PV Override (cP) 7.0	YP OR (lb/100ft²) 2,000
Gel 10 sec (lb/100ft²) 3,000	Gel 10 min (lb/100ft²) 7,000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.5	Sand (%) 0.3	Solids (%) 5.8
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 26,000.000	Calcium (mg/L) 20,000	Pf (mL/mL) 0.1	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 0.0	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl) 800.0	Active Mud Volume (bbl) 571.0		

**Drill Strings**

**BHA #1, Steerable**

Bit Run 1	Drill Bit 7 7/8in, Z616, JK5101	Length (ft) 1.00	IADC Bit Dull 5-5-BT-A-X-0-WT-PR	TFA (incl Noz) (in²) 1.18	BHA ROP... 53.6
Nozzles (1/32") 16/16/16/16/16/16	String Length (ft) 553.54	Max Nominal OD (in) 6.500			

String Components  
 Smith Z616 s/n JK5101 Part 66156A0003 Z616, Hunting 6.5 1.5 bent 7/8 3.3 rev .16, UBHO, NMDC, NMDC, 6 1/2 DCS, HWDP

Comment  
 Bit #1 Smith Z616 s/n JK5101 w/ 6-16, 1-MM Hunting 6.5 1.5 7/8 3.3 rev .16 1-6.5 UBHO 2-6.5 NMDC 5-6.25 DCs 10-4.5 HWDP

**Drilling Parameters**

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	4,458.0	5,330.0	3,198.00	48.50	37.9	420	22	60	1,350.0	99	141	10,515.0

AFE Number 1704715US	Start Depth (ftKB) 4,458.0	End Depth (ftKB) 5,330.0
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Target Formation Wasatch	Target Depth (ftKB) 9,031.0
Last Casing String Surface, 2,132.0ftKB	

**Daily Contacts**

Job Contact	Mobile
SCOTT SEELY	435-828-1101
Jesse Blanchard	435-828-2649

**Rigs**

**Capstar Drilling, 329**

Contractor Capstar Drilling	Rig Number 329
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

**<des>, <make>, <model>**

Pump #	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
Brine Plant Half Rental	384.00	1.0
DAP	35.00	32.0
Engineering	450.00	1.0
Liqui Drill	135.00	5.0
Pallet	20.00	4.0
Rental	50.00	1.0
Sea Mud	15.50	42.0
Shrink Wrap	20.00	4.0
Tax	1.00	172.49

**Safety Checks**

Time	Type	Des

**Wellbores**

Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 4/23/2015  
Report #: 8.0, DFS: 3.58  
Depth Progress: 900.00

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location			License #							
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00				
Completion Type												
Weather Good		Temperature (°F) 68.0			Road Condition Good		Hole Condition Good					
Operation At 6am Drig/Slide 7 7/8 Prod Hole @ 6230' No Mud Loss					Operation Next 24hrs Drig/Silde 7 7/8 Prod Hole							
24 Hr Summary Drig/ Slide 7 7/8 Prod Hole F/ 5330' T/ 6230 900' @ 38.29 ft per hr ( WOB 18-28 RPM 60 GPM 420) Rig Service, Formation Mahogany Bench BBG 260-320, Conn 1158, Peak 1321 @ 5594 Lithology SH 35% MRLST 30% CLYST 25% DOLST 10%												
<b>Time Log</b>												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
06:00	17:00	11.00	11.00	2	DRILL ACTUAL	Drig/Slide 7 7/8 Prod Hole F/5330' T/ 5808' 478' @ 43.45 ft per hr						
17:00	17:30	0.50	11.50	7	LUBRICATE RIG	Rig Service						
17:30	06:00	12.50	24.00	2	DRILL ACTUAL	Drig/Slide 7 7/8 Prod Hole F/ 5808' T/ 6230' 422 @ 33.76 ft per hr						
<b>Mud Checks</b>												
<b>5,576.0ftKB, 4/23/2015 12:00</b>												
Type DAP	Time 12:00	Depth (ftKB) 5,576.0	Density (lb/gal) 9.50	Funnel Viscosity (s/qt) 30	PV Override (cP) 5.0	YP OR (lb/100ft²) 1.000						
Gel 10 sec (lb/100ft²) 4.000	Gel 10 min (lb/100ft²) 7.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.5	Sand (%)	Solids (%)						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 74,000.000	Calcium (mg/L) 30.000	Pf (mL/mL) 0.1	Pm (mL/mL)	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 0.0	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl) 700.0	Active Mud Volume (bbl) 646.0								
<b>Drill Strings</b>												
<b>BHA #1, Steerable</b>												
Bit Run 1	Drill Bit 7 7/8in, Z616, JK5101	Length (ft) 1.00	IADC Bit Dull 5-5-BT-A-X-0-WT-PR	TFA (incl Noz) (in²) 1.18	BHA ROP... 53.6							
Nozzles (1/32") 16/16/16/16/16/16	String Length (ft) 553.54	Max Nominal OD (in) 6.500										
String Components Smith Z616 s/n JK5101 Part 66156A0003 Z616, Hunting 6.5 1.5 bent 7/8 3.3 rev .16, UBHO, NMDC, NMDC, 6 1/2 DCS, HWDP												
Comment Bit #1 Smith Z616 s/n JK5101 w/ 6-16, 1-MM Hunting 6.5 1.5 7/8 3.3 rev .16 1-6.5 UBHO 2-6.5 NMDC 5-6.25 DCs 10-4.5 HWDP												
<b>Drilling Parameters</b>												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	5,330.0	6,230.0	4,098.0 0	72.00	38.3	420	26	60	1,450.0	100	157	11,00 0.0
<b>Safety Checks</b>												
Time	Type	Des										
<b>Wellbores</b>												
Wellbore Name	KO MD (ftKB)											
Original Hole												





## Daily Drilling Report

Report for: 4/25/2015  
Report #: 10.0, DFS: 5.58  
Depth Progress: 1,300.00

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location		License #	
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00	
		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	
Completion Type					
Weather Cloudy		Temperature (°F) 68.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am Drig/Slide 7 7/8 Prod Hole @ 7800 No Mud Loss			Operation Next 24hrs Drig/Slide 7 7/8 Prod Hole		

24 Hr Summary  
Trip in Hole wash F/ 6275' T/ 6500', Drig/Slide F/ 6500' T/ 7800' 1300' @ 57.77 ft per hr, ( WOB 16-18 RPM 45-50 GPM 420) Rig Service, Formation Black Shale Formation Tops TGR3 6328' MD, Douglas Creek 7336' MD, BBG 550-820, Conn 580-1070, Peak 1929 @7435', Trip 1590' @ 6500', Lithology 90% SH 10% CLYST

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	07:00	1.00	1.00	6	TRIPS	Trip in Hole wash F/ 6275' T/ 6500'
07:00	16:30	9.50	10.50	2	DRILL ACTUAL	Drig/Slide F/ 6500' T/ 7028' 528' @ 55.57 ft per hr
16:30	17:00	0.50	11.00	7	LUBRICATE RIG	Rig Service
17:00	06:00	13.00	24.00	2	DRILL ACTUAL	Drig/Slide F/ 7028' T/ 7800' 772' @ 59.38 ft per hr

## Mud Checks

6,637.0ftKB, 4/25/2015 10:00

Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
DAP	10:00	6,637.0	9.70	30	4.0	5.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
9.000	13.000			8.5	0.3	7.9
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
		63,000.000	20.000	0.1		
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		
	50.0		700.0	693.0		

## Drill Strings

## BHA #2, Steerable

Bit Run 2	Drill Bit 7 7/8in, MDI616, JH8408	Length (ft) 1.00	IADC Bit Dull 0-0-NO-None-X-0-NO-TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 52.1
Nozzles (1/32") 16/16/16/16/16/16		String Length (ft) 553.35		Max Nominal OD (in) 6.500	

## String Components

Smith MDI616 s/n JH8408 Part 65833A0101 MDI616, Hunting 6.5 1.5 bent 7/8 3.3 rev .16, UBHO, NMDC, NMDC, 6 1/2 DCS, HWDP

## Comment

Bit #2 Smith MDI616 s/n JH8408 w/ 6-16, 1-MM Hunting 6.5 1.5 7/8 3.3 rev .16 1-6.5 UBHO 2-6.5 NMDC 5-6.25 DCS 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	6,500.0	7,800.0	1,300.00	22.50	57.8	420	18	50	1,650.0	131	200	13,300.0

AFE Number 1704715US	
Start Depth (ftKB) 6,500.0	End Depth (ftKB) 7,800.0
Target Formation Wasatch	Target Depth (ftKB) 9,031.0
Last Casing String Surface, 2,132.0ftKB	

## Daily Contacts

Job Contact	Mobile
SCOTT SEELY	435-828-1101
Jesse Blanchard	435-828-2649

## Rigs

## Capstar Drilling, 329

Contractor Capstar Drilling	Rig Number 329
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

## &lt;des&gt;, &lt;make&gt;, &lt;model&gt;

Pump #	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
Aluminum Stear.	130.00	1.0
Barite	10.65	152.0
Brine Plant Half Rental	384.00	1.0
DAP	35.00	1.0
Engineering	450.00	1.0
Rental	50.00	1.0
Tax	1.00	13.01

## Safety Checks

Time	Type	Des

## Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	



### Daily Drilling Report

Report for: 4/26/2015  
 Report #: 11.0, DFS: 6.58  
 Depth Progress: 1,053.00

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location			License #				
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00	
Completion Type									
Weather Cloudy		Temperature (°F) 65.0			Road Condition Good		Hole Condition Good		
Operation At 6am Drig/Slide 7 7/8 Prod Hole @ 8853 100 bbls Mud Loss					Operation Next 24hrs Drig/Slide 7 7/8 Prod Hole TD @ 9053' Circ, Spot Kill Mud, Trip out for Wire Line Logs				

AFE Number 1704715US	
Start Depth (ftKB) 7,800.0	End Depth (ftKB) 8,853.0
Target Formation Wasatch	Target Depth (ftKB) 9,031.0
Last Casing String Surface, 2,132.0ftKB	

24 Hr Summary  
 Drlg/Slide F/ 7800' T/ 8853' 1053' 44.80 ft per hr ( WOB 16-24 RPM 45-50 GPM 400-420) Rig Service, Formation Wasatch, Formation Tops Black Shale 7698' MD, Castle Peak 7868' MD, Uteland Butte 8137 MD', Wasatch 8264' MD, BBG 5780-6000, Conn 7025-8403, Peak 7885 @ 8403' Lithology 60% SS 35% CLYST 5% SH

Daily Contacts	
Job Contact	Mobile
SCOTT SEELY	435-828-1101
Jesse Blanchard	435-828-2649

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	17:30	11.50	11.50	2	DRILL ACTUAL	Drig/Slide F/ 7800' T/ 8290' 490' @ 42.60 ft per hr
17:30	18:00	0.50	12.00	7	LUBRICATE RIG	Rig Service
18:00	06:00	12.00	24.00	2	DRILL ACTUAL	Drig/Slide F/ 8290' T/ 8853' 563' @ 46.91 ft per hr

Rigs	
<b>Capstar Drilling, 329</b>	
Contractor Capstar Drilling	Rig Number 329
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

Mud Checks						
7,951.0ftKB, 4/26/2015 11:30						
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
DAP	11:30	7,951.0	9.90	31	5.0	5,000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
9.000	16.000		1	8.6	0.3	8.6
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
		56,000.000	20.000	0.1		
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		
	100.0		555.0	790.0		

<des>, <make>, <model>			
Pump #	Pwr (hp)	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

Drill Strings						
BHA #2, Steerable						
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...	
2	7 7/8in, MDI616, JH8408	1.00	0-0-NO-None-X-0-NO-TD	1.18	52.1	
Nozzles (1/32") 16/16/16/16/16			String Length (ft) 553.35	Max Nominal OD (in) 6.500		
String Components Smith MDI616 s/n JH8408 Part 65833A0101 MDI616, Hunting 6.5 1.5 bent 7/8 3.3 rev .16, UBHO, NMDC, NMDC, 6 1/2 DCS, HWDP						
Comment Bit #2 Smith MDI616 s/n JH8408 w/ 6-16, 1-MM Hunting 6.5 1.5 7/8 3.3 rev .16 1-6.5 UBHO 2-6.5 NMDC 5-6.25 DCs 10-4.5 HWDP						

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Barite	10.65	40.0
Brine Plant Half Rental	384.00	1.0
DAP	35.00	24.0
Engineering	450.00	1.0
Liqui Drill	135.00	1.0
Rental	50.00	1.0
Tax	1.00	352.41
Ultra Lub	1,200.00	4.0

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	7,800.0	8,853.0	2,353.00	46.00	44.8	400	24	50	1,950.0	143	220	15,700.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 4/27/2015  
Report #: 12.0, DFS: 7.58  
Depth Progress: 200.00

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location			License #																				
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00																	
Completion Type							AFE Number 1704715US																		
Weather Sunny		Temperature (°F) 65.0		Road Condition Good		Hole Condition Good		Start Depth (ftKB) 8,853.0																	
Operation At 6am R/U for Wire Line Logs		Temperature (°F) 65.0		Road Condition Good		Hole Condition Good		End Depth (ftKB) 9,053.0																	
24 Hr Summary Drlg/Slide 7 7/8 Prod Hole F/ 8853' T/ 9053' 200' @ 66.66 ft per hr ( WOB 16-24 RPM 45-50 GPM 400-420) Circ, Short Trip to 4200', Circ, Cut and Slip Drlg Line 60 ft, Rig Service, Circ, Check for Flow, Spot 300 bbls 11 ppg kill Mud F/9053' T/4000' Pump 30 bbls 12.5 ppg Dry Job, Trip out of Hole for Wire Line Logs, Hold Safety Meeting with Halliburton, R/U to Run Wire Line Logs,		Operation Next 24hrs Run Wire Line Logs, RIH w/ 5 1/2 Prod Casing, Cement Casing,		Target Formation Wasatch		Target Depth (ftKB) 9,031.0		Last Casing String Surface, 2,132.0ftKB																	
Daily Contacts							Job Contact			Mobile															
SCOTT SEELY							435-828-1101			Jesse Blanchard			435-828-2649												
Rigs																									
Capstar Drilling, 329																									
Contractor Capstar Drilling						Rig Number 329						Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247												
<des>, <make>, <model>																									
Pump #		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		Aluminum Stear.		130.00		8.0		Barite		10.65		280.0									
Brine		7.50		320.0		Brine Plant Half Rental		384.00		1.0		Chem-Seal		16.50		19.0									
DAP		35.00		18.0		Engineering		450.00		1.0		Liqui Drill		135.00		1.0									
Mica Fine		14.50		15.0		Pallet		20.00		4.0		Rental		50.00		1.0									
Sea Mud		15.50		18.0		Shrink Wrap		20.00		4.0		Tax		1.00		188.09									
Trucking		1.00		800.0		Safety Checks		Time		Type		Des													
Wellbores																									
Wellbore Name						KO MD (ftKB)						Original Hole													
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		8,853.0		9,053.0		2,553.00		49.00		66.7		400		24		50		1,950.0		143		220		15,700.0	



## Daily Drilling Report

Report for: 4/28/2015  
Report #: 13.0, DFS: 8.58  
Depth Progress: 0.00

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location			License #																																																																																																																																																																						
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00																																																																																																																																																																			
Completion Type																																																																																																																																																																											
Weather Sunny		Temperature (°F) 70.0			Road Condition Good		Hole Condition Good																																																																																																																																																																				
Operation At 6am RIH w/ Wire Line Logs					Operation Next 24hrs Log Well, Trip Out, Run 5.5 Prod Casing & Cement																																																																																																																																																																						
24 Hr Summary Logs Stop @ 7500, Log out from 7420 w/ Triple Combo Log w/ Dielectric, Wait on Weatherford Logging, Hold Safety Meeting with Weatherford Logging, P/U Through Bit, Drop-Off Landing Ring, XO, Pup Joint, Trip in Hole, Work Tight Hole @ 5361, Trip in to 9025', Pump 30 bbls of 11ppg mud, Trip out to 8885', Hold Safety Meeting w/ Weatherford R/U & P/U Logging Tool, RIH with Logging Tools																																																																																																																																																																											
<b>Time Log</b>																																																																																																																																																																											
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com																																																																																																																																																																					
06:00	10:30	4.50	4.50	11	WIRELINE LOGS	Logs Stop @ 7500, Log out from 7420 w/ Triple Combo Log w/ Neutron, Density, PE, SP, Gamma, Resistivity, Dielectric																																																																																																																																																																					
10:30	18:00	7.50	12.00	21	OPEN	Wait on Weatherford Logging																																																																																																																																																																					
18:00	01:30	7.50	19.50	6	TRIPS	Hold Safety Meeting with Weatherford Logging, P/U Through Bit, Drop-Off Landing Ring, XO, Pup Joint, Trip in Hole, Work Tight Hole @ 5361, Trip in to 9025'																																																																																																																																																																					
01:30	02:00	0.50	20.00	5	COND MUD & CIRC	Pump 30 bbls of 11ppg mud, Trip out to 8885'																																																																																																																																																																					
02:00	06:00	4.00	24.00	11	WIRELINE LOGS	Hold Safety Meeting w/ Weatherford R/U & P/U Logging Tool, RIH with Logging Tools																																																																																																																																																																					
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9,053.0ftKB, 4/28/2015 10:45																																																																																																																																																																											
Type DAP	Time 10:45	Depth (ftKB) 9,053.0	Density (lb/gal) 10.00	Funnel Viscosity (s/qt) 33	PV Override (cP) 8.0	YP OR (lb/100ft²) 13.000																																																																																																																																																																					
Gel 10 sec (lb/100ft²) 14.000	Gel 10 min (lb/100ft²) 25.000	Filtrate (mL/30min)	Filter Cake (1/32") 1	pH 8.5	Sand (%) 0.3	Solids (%) 9.8																																																																																																																																																																					
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 71,000.000	Calcium (mg/L) 20,000	Pf (mL/mL) 0.1	Pm (mL/mL)	Gel 30 min (lb/100ft²)																																																																																																																																																																					
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<b>BHA #3, Logs</b>																																																																																																																																																																											
Bit Run 3	Drill Bit 7 5/8in, Through Bit, Weatherford	Length (ft) 1.20	IADC Bit Dull -----	TFA (incl Noz) (in²)	BHA ROP...																																																																																																																																																																						
Nozzles (1/32")	String Length (ft) 318.06	Max Nominal OD (in) 6.500																																																																																																																																																																									
String Components Weatherford Through Bit, Drop Off Landing Ring, Cross Over, Pump Joint, HWDP																																																																																																																																																																											
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## Daily Drilling Report

Report for: 4/29/2015  
Report #: 14.0, DFS: 9.58  
Depth Progress: 0.00

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location			License #										
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00							
Completion Type							AFE Number 1704715US		Start Depth (ftKB) 9,053.0		End Depth (ftKB) 9,053.0				
Weather SUNNY							Temperature (°F) 75.0		Road Condition Good		Hole Condition Good				
Operation At 6am CEMENTING							Operation Next 24hrs CMT, NIPPLE DOWN, CLEAN TANKS, RIG DOWN, MOVE RIG, RIG UP, NIPPLE UP					Target Formation Wasatch		Target Depth (ftKB) 9,031.0	
24 Hr Summary LOGGING TOOLS GOT STUCK IN HWDP, WORK STUCK LOGS, PUMP ON THE BACK SIDE, NO GO, RELEASED FROM LOGGING TOOLS, TRIP OUT TO RETREAVE LOGGING TOOLS (TOOLS CAME OUT BIT AND LOGGED OUT) RIG DOWN WEATHERFORD, RIG UP AND 208 JTS OF 5 1/2 17# CP-80 PROD CASING												Last Casing String Surface, 2,132.0ftKB			
<b>Time Log</b>															
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com									
06:00	10:30	4.50	4.50	11	WIRELINE LOGS	LOGGING TOOLS GOT STUCK IN HWDP, WORK STUCK LOGS, PUMP ON THE BACK SIDE, NO GO RELEASED LOGGING TOOLS									
10:30	18:00	7.50	12.00	6	TRIPS	TRIP OUT TO RETREAVE LOGGING TOOLS (TOOLS CAME OUT BIT AND LOGGED OUT)									
18:00	19:30	1.50	13.50	11	WIRELINE LOGS	RIG DOWN WEATHERFORD									
19:30	05:00	9.50	23.00	12	RUN CASING & CEMENT	RIG UP AND 208 JTS OF 5 1/2 17# CP-80 PROD CASING									
05:00	06:00	1.00	24.00	12	RUN CASING & CEMENT	RIG UP HALLIBURTON									
<b>Mud Checks</b>															
9,053.0ftKB, 4/29/2015 10:30															
Type DAP	Time 10:30	Depth (ftKB) 9,053.0	Density (lb/gal) 10.00	Funnel Viscosity (s/qt) 33	PV Override (cP) 8.0	YP OR (lb/100ft²) 13.000									
Gel 10 sec (lb/100ft²) 14.000	Gel 10 min (lb/100ft²) 25.000	Filtrate (mL/30min)	Filter Cake (1/32") 1	pH 8.5	Sand (%) 0.3	Solids (%) 9.8									
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 71,000.000	Calcium (mg/L) 20.000	Pf (mL/mL) 0.1	Pm (mL/mL)	Gel 30 min (lb/100ft²)									
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl) 555.0	Active Mud Volume (bbl) 879.0											
<b>Drill Strings</b>															
BHA #<stringno>, <des>															
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...										
Nozzles (1/32")			String Length (ft)	Max Nominal OD (in)											
String Components															
Comment															
<b>Drilling Parameters</b>															
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq			

Job Contact		Mobile
SCOTT SEELY	435-828-1101	
Jesse Blanchard	435-828-2649	
<b>Rigs</b>		
Capstar Drilling, 329		
Contractor Capstar Drilling	Rig Number 329	
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247	
<des>, <make>, <model>		
Pump #	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s... Eff (%)
<b>Mud Additive Amounts</b>		
Des	Field Est (Cost/unit)	Consumed
Engineering	450.00	1.0
Rental	50.00	1.0
Tax	1.00	6.05
<b>Safety Checks</b>		
Time	Type	Des
<b>Wellbores</b>		
Wellbore Name	KO MD (ftKB)	
Original Hole		



## Daily Drilling Report

Report for: 4/30/2015  
Report #: 15.0, DFS: 10.58  
Depth Progress: 0.00

Well Name: GAVITTE 10-23-3-1E

UWI/API 43-047-54717		Surface Legal Location			License #							
Spud Date 3/31/2015 08:30		Date TD Reached (wellbore) 4/27/2015 09:00		Rig Release Date 4/30/2015 14:00		Ground Elevation (ft) 4,972.00		Orig KB Elev (ft) 4,984.00				
Completion Type							AFE Number 1704715US					
Weather CLOUDY							Temperature (°F) 88.0		Road Condition Good		Hole Condition Good	
Operation At 6am OTHER							Operation Next 24hrs DRILLING ON NEW LOCATION					
24 Hr Summary RIG UP AND CEMENT WITH HALLIBURTON, TEST LINES TO 5000 PSI,PUMP 10 BBL FRESH WATER SPACER, 176 BBL (355 SX) 11 PPG 2.78 cuft/sk LEAD CEMENT, 176 BBL(595 SX) 13.1 PPG 1.66 cuft/sk TAIL CEMENT,DISPLACE W/ 208 BBL FRESH WATER, PLUG DOWN @ 9:19 AM BUMP PLUG 2250 PSI 500 OVER FLOAT HELD (HAD NO RETURNS UNTIL DISP) NIPPLE DOWN AND CLEAN TANKS (RIG RELEASED @ 14:00 4-30-15)												
Time Log												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
06:00	10:00	4.00	4.00	12	RUN CASING & CEMENT	RIG UP AND CEMENT WITH HALLIBURTON, TEST LINES TO 5000 PSI,PUMP 10 BBL FRESH WATER SPACER, 176 BBL (355 SX) 11 PPG 2.78 cuft/sk LEAD CEMENT, 176 BBL(595 SX) 13.1 PPG 1.66 cuft/sk TAIL CEMENT,DISPLACE W/ 208 BBL FRESH WATER, PLUG DOWN @ 9:19 AM BUMP PLUG 2250 PSI 500 OVER FLOAT HELD (HAD NO RETURNS UNTIL DISP)						
10:00	14:00	4.00	8.00	1	RIGUP & TEARDOWN	NIPPLE DOWN AND CLEAN TANKS (RIG RELEASED @ 14:00 4-30-15)						
Mud Checks												
9,053.0ftKB, 4/30/2015 10:30												
Type DAP	Time 10:30	Depth (ftKB) 9,053.0	Density (lb/gal) 10.00	Funnel Viscosity (s/qt) 33	PV Override (cP) 8.0	YP OR (lb/100ft²) 13.000						
Gel 10 sec (lb/100ft²) 14.000	Gel 10 min (lb/100ft²) 25.000	Filtrate (mL/30min)	Filter Cake (1/32") 1	pH 8.5	Sand (%) 0.3	Solids (%) 9.8						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 71,000.000	Calcium (mg/L) 20.000	Pf (mL/mL) 0.1	Pm (mL/mL)	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl) 555.0	Active Mud Volume (bbl) 879.0								
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												
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

Target Formation Wasatch		Target Depth (ftKB) 9,031.0	
Last Casing String Surface, 2,132.0ftKB			
Daily Contacts			
Job Contact		Mobile	
SCOTT SEELY		435-828-1101	
Jesse Blanchard		435-828-2649	
Rigs			
Capstar Drilling, 329			
Contractor Capstar Drilling		Rig Number 329	
Rig Supervisor JEREMY DEAKIN		Phone Mobile 307-315-3247	
<des>, <make>, <model>			
Pump #	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	
Brine Plant Half Rental	384.00	1.0	
Engineering	450.00	1.0	
Rental	50.00	1.0	
Safety Checks			
Time	Type	Des	
Wellbores			
Wellbore Name		KO MD (ftKB)	
Original Hole			

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<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> Gavitte 10-23-3-1E	
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP	<b>9. API NUMBER:</b> 43047547170000	
<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> RANDLETT
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0744 FSL 2021 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 23 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/16/2015  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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"/> 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 US Corp reports the first production of hydrocarbons from Gavitte 10-23-3-1E on May 16, 2015.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 20, 2015</b>		
<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> 5/19/2015	

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

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

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

12. COUNTY

13. STATE

UTAH

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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

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

2. NAME OF OPERATOR:

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

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

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

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

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) 23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

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

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

**25. TUBING RECORD**

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

**26. PRODUCING INTERVALS**

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

**27. PERFORATION RECORD**

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

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

**29. ENCLOSED ATTACHMENTS:**

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

**30. WELL STATUS:**

**31. INITIAL PRODUCTION**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- 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 Phone: 801-538-5340  
 1594 West North Temple, Suite 1210  
 Box 145801 Fax: 801-359-3940  
 Salt Lake City, Utah 84114-5801

Crescent Point Energy  
Gravitte 10-23-3-1E - Actual

Unitah County  
Section 23 T3S, R1E  
Your Ref: CAPSTAR 329 RKB @ 4984'

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
2152	3.7	316.5	2150.5	50.39	-47.81	50.01	0.17
2240	4.1	315.3	2238.3	54.68	-51.98	54.28	0.46
2328	4.1	314.6	2326.08	59.13	-56.43	58.69	0.06
2414	4	330.2	2411.86	63.89	-60.11	63.42	1.28
2500	4.3	343.9	2497.64	69.59	-62.5	69.1	1.2
2586	4.4	352.4	2583.39	75.96	-63.83	75.46	0.76
2674	4.7	2.4	2671.12	82.9	-64.12	82.4	0.96
2760	5.7	7.1	2756.76	90.66	-63.45	90.17	1.26
2848	5.7	7.2	2844.33	99.33	-62.36	98.85	0.01
2934	6.5	9.2	2929.84	108.38	-61.05	107.9	0.96
3021	7.9	10.6	3016.15	119.12	-59.16	118.65	1.62
3108	9.5	9.3	3102.15	132.08	-56.9	131.63	1.85
3193	11	7.2	3185.79	147.05	-54.75	146.62	1.82
3281	12.1	3.9	3272.01	164.58	-53.07	164.16	1.46
3367	13.5	3.1	3355.87	183.6	-51.91	183.19	1.64
3454	12.8	2.1	3440.59	203.37	-51.01	202.97	0.85
3541	12	358.7	3525.56	222.04	-50.86	221.64	1.24
3628	11.6	359	3610.72	239.83	-51.22	239.42	0.47
3714	12.5	0.9	3694.82	257.78	-51.23	257.37	1.14
3800	13.3	3.4	3778.65	276.96	-50.49	276.56	1.13
3888	14	7.9	3864.17	297.61	-48.43	297.22	1.44
3974	14.4	7.6	3947.54	318.51	-45.59	318.15	0.47
4061	14.8	6.7	4031.73	340.27	-42.86	339.93	0.53
4148	17.3	8.9	4115.33	364.09	-39.56	363.77	2.96
4234	21	10.6	4196.56	391.88	-34.75	391.6	4.35
4320	25.6	9.8	4275.53	425.36	-28.75	425.12	5.36
4407	28.1	7.3	4353.14	464.21	-22.94	464.02	3.15
4494	29.1	5.8	4429.53	505.58	-18.2	505.42	1.41
4580	29.7	4.6	4504.45	547.62	-14.38	547.49	0.98
4667	29.6	4.8	4580.06	590.52	-10.85	590.41	0.16
4754	29.6	5.3	4655.71	633.32	-7.07	633.25	0.28

4841	28.8	6.8	4731.65	675.53	-2.6	675.49	1.25
4929	25.8	5.2	4809.84	715.66	1.64	715.65	3.51
5016	24.5	2	4888.6	752.54	3.99	752.55	2.16
5104	23.4	2.9	4969.02	788.23	5.51	788.25	1.32
5191	23.4	4.9	5048.87	822.7	7.86	822.73	0.91
5279	23.3	6.4	5129.66	857.4	11.29	857.47	0.69
5366	25.2	7.2	5208.98	892.88	15.53	892.97	2.22
5452	26.8	6.4	5286.27	930.31	19.99	930.44	1.9
5539	25.1	5.3	5364.5	968.18	23.88	968.34	2.03
5627	21.9	2.8	5445.19	1003.17	26.41	1003.34	3.81
5713	20.6	2	5525.34	1034.31	27.72	1034.49	1.55
5801	19.7	1.5	5607.96	1064.61	28.65	1064.8	1.04
5888	18.9	1.7	5690.07	1093.35	29.45	1093.55	0.92
5976	17.6	1.5	5773.64	1120.9	30.22	1121.1	1.48
6062	14.7	359.1	5856.24	1144.81	30.39	1145.01	3.46
6150	13.3	356.9	5941.62	1166.09	29.66	1166.28	1.7
6238	11.9	357	6027.5	1185.25	28.64	1185.44	1.59
6325	10.4	355.8	6112.85	1202.04	27.6	1202.22	1.74
6413	9.1	357.7	6199.58	1216.92	26.74	1217.09	1.52
6500	7.3	1.08	6285.69	1229.32	26.56	1229.49	2.14
6587	4.8	356.8	6372.2	1238.48	26.47	1238.65	2.92
6673	3.3	350.4	6457.98	1244.52	25.85	1244.68	1.82
6759	2.6	348	6543.87	1248.87	25.03	1249.02	0.83
6846	1.9	358.7	6630.8	1252.24	24.59	1252.39	0.93
6933	1.1	17.3	6717.77	1254.48	24.81	1254.63	1.06
7019	0.9	348.2	6803.76	1255.93	24.91	1256.08	0.63
7107	0.4	334.9	6891.75	1256.88	24.64	1257.03	0.59
7194	0.3	296.7	6978.75	1257.26	24.31	1257.41	0.28
7282	0.4	229	7066.75	1257.16	23.87	1257.31	0.45
7367	0.3	237.9	7151.75	1256.85	23.46	1256.99	0.13
7455	0.4	57.8	7239.75	1256.89	23.52	1257.03	0.8
7543	0.05	254.4	7327.75	1257.04	23.75	1257.19	0.51
7630	2.6	222.3	7414.72	1255.57	22.38	1255.71	2.94
7717	3.1	213.9	7501.61	1252.16	19.74	1252.28	0.75
7804	3.4	194.4	7588.47	1247.71	17.79	1247.81	1.31
7890	3.7	201.2	7674.31	1242.65	16.15	1242.74	0.6
7977	2.5	201	7761.18	1238.26	14.46	1238.34	1.38
8064	2.6	199.9	7848.09	1234.64	13.1	1234.7	0.13
8151	2.6	192.3	7935	1230.85	12.01	1230.91	0.4
8239	2.6	192.2	8022.91	1226.95	11.17	1227	0.01
8325	2.7	183.7	8108.82	1223.02	10.62	1223.07	0.47
8411	2.6	184.9	8194.73	1219.06	10.33	1219.1	0.13
8498	2.4	179.4	8281.64	1215.27	10.18	1215.31	0.36
8585	2.5	185.3	8368.57	1211.56	10.02	1211.6	0.31
8672	2.6	185	8455.48	1207.71	9.67	1207.74	0.12
8759	2.5	185.7	8542.39	1203.85	9.31	1203.89	0.12
8846	2.5	178.9	8629.31	1200.07	9.16	1200.1	0.34

8933	2.4	182.6	8716.23	1196.35	9.11	1196.38	0.22
8977	2.5	177.7	8760.19	1194.47	9.11	1194.5	0.53
9053	2.5	177.7	8836.12	1191.16	9.24	1191.19	0

All data are in feet unless otherwise stated. Directions and coordinates are relative to True North. Vertical depths are relative to Gravitte 10-23-3-1E. 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 0.445° (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 1.058°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 9053.00ft., the Bottom Hole Displacement is 1191.19ft., in the Direction of 0.445° (True).

<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>	5. LEASE DESIGNATION AND SERIAL NUMBER: 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Gavitte 10-23-3-1E
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP	9. API NUMBER: 43047547170000
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: 0744 FSL 2021 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 23 Township: 03.0S Range: 01.0E Meridian: U	9. FIELD and POOL or WILDCAT: RANDLETT
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/18/2015	<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 checked="" 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 type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 Please see attached application to commingle production formations for Gavitte 10-23-3-1E

**Approved by the**  
**September 08, 2015**  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_  
**By:** DeKQ

<b>NAME (PLEASE PRINT)</b> Valari Cray	<b>PHONE NUMBER</b> 303 880-3637	<b>TITLE</b> Drilling And Completion Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/18/2015	



August 17, 2015

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

RE: Sundry Notices  
Gavitte 10-23-3-1E  
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.

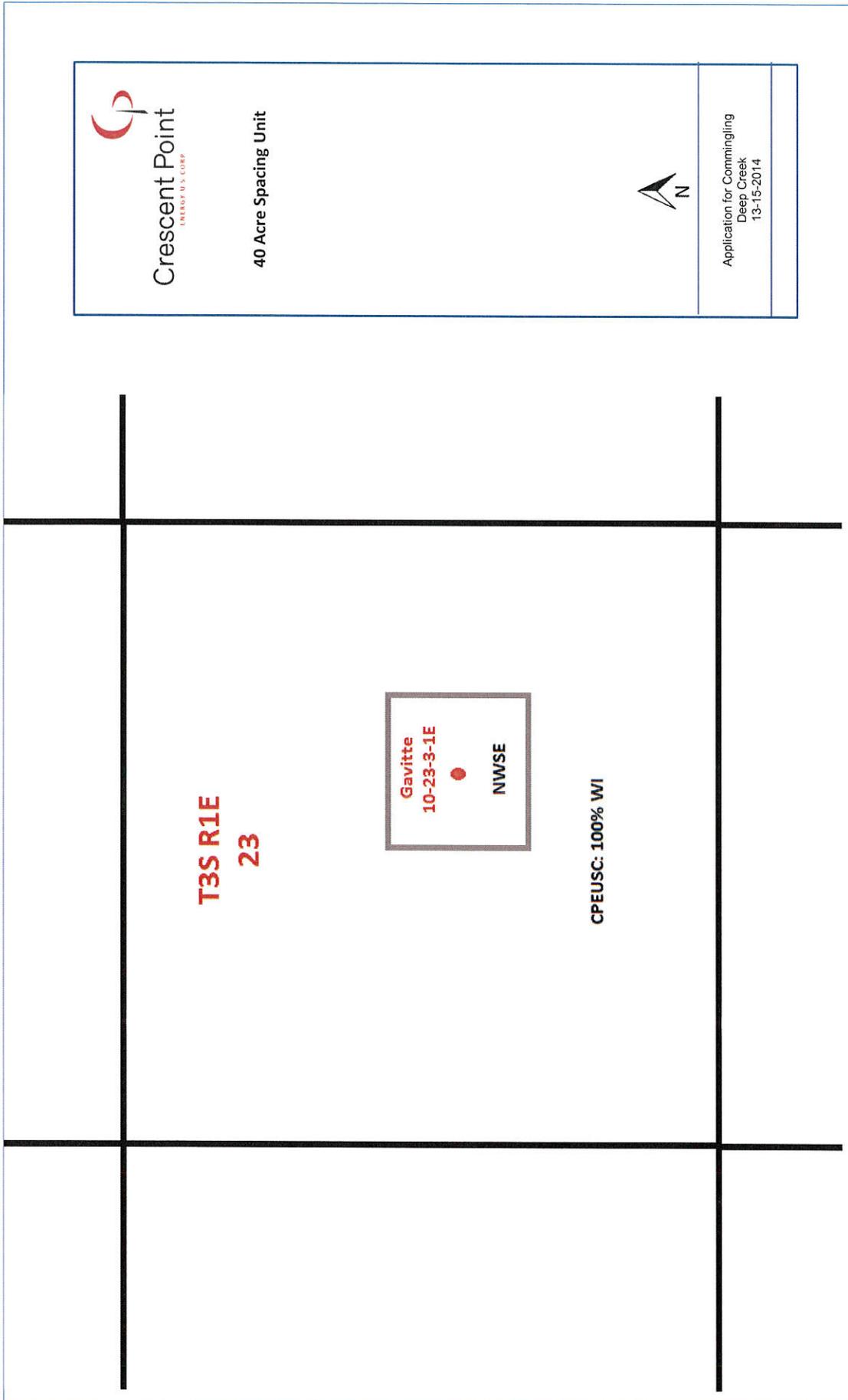
If you should have any questions regarding these Sundry Notices, please feel free to contact me at 303-382-6794.

Sincerely,

A handwritten signature in blue ink, appearing to read '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:

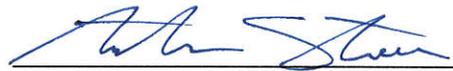
That he is employed by Crescent Point Energy U.S. Corp. ("Crescent Point") as a Land Consultant. Crescent Point has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within the Randlett Exploration and Development Agreement Area:

Gavitte 10-23-3-1E: NWSE of Section 23-T3S-R1E

That in compliance with the Utah OGM regulation R649-3-22, I have provided a copy of the Sundry Notice, via certified mail, to the owners; however Crescent Point is the only owner of all contiguous oil and gas leases or drilling units overlying the pool.

Date: August 17, 2015

Affiant

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

Andrew M. Stone  
Land Consultant