

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Riley 16-27-3-1E					
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT RANDLETT					
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME					
6. NAME OF OPERATOR CRESCENT POINT ENERGY U.S. CORP						7. OPERATOR PHONE 720 880-3621					
8. ADDRESS OF OPERATOR 555 17th Street, Suite 750, Denver, CO, 80202						9. OPERATOR E-MAIL abaldwin@crecidentpointenergy.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) <small>fee</small>			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>					
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Susan Riley						14. SURFACE OWNER PHONE (if box 12 = 'fee') 410-758-0108					
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 107 Mainsail Dr, Stevensville, MD 21666						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')					
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE		484 FSL 1145 FEL		SESE	27	3.0 S	1.0 E	U			
Top of Uppermost Producing Zone		684 FSL 676 FEL		SESE	27	3.0 S	1.0 E	U			
At Total Depth		684 FSL 676 FEL		SESE	27	3.0 S	1.0 E	U			
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 484			23. NUMBER OF ACRES IN DRILLING UNIT 40					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 920			26. PROPOSED DEPTH MD: 8710 TVD: 8666					
27. ELEVATION - GROUND LEVEL 5005			28. BOND NUMBER LPM9080271			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 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 - 1500	36.0	J-55 ST&C	8.3	Class G	730	1.15	15.8	
PROD	7.875	5.5	0 - 8710	17.0	N-80 LT&C	10.0	Light (Hibond)	277	3.66	10.5	
							Class G	535	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						
NAME Lauren MacMillan			TITLE Regulatory Specialist			PHONE 303 382-6787					
SIGNATURE			DATE 05/29/2014			EMAIL lmacmillan@crecidentpointenergy.com					
API NUMBER ASSIGNED 43047544650000			APPROVAL  Permit Manager								

Crescent Point Energy U.S. Corp

Riley 16-27-3-1E

SHL & BHL: SE/SE of Section 27, T3S, R1E, USB&M

SHL: 484' FSL & 1145' FEL

BHL: 684' FSL & 676' FEL

Uintah County, Utah

DRILLING PLAN1-2. Geologic Surface Formation and Estimated Tops of Important Geologic Markers

Formation	Depth – TVD	Depth-MD
Uinta	Surface	Surface
Upper Green River Marker	4286'	4310'
Mahogany	4802'	4836'
Garden Gulch (TGR3)	5850'	5894'
Douglas Creek	6761'	6805'
Black Shale	7279'	7323'
Castle Peak	7427'	7471'
Uteland	7723'	7767'
Wasatch	7866'	7910'
TD	8666'	8710'

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

Green River Formation (Oil)	4,310' – 7,910'
Wasatch Formation (Oil)	7,910' – 8,710'

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 ₃) (mg/l)
Dissolved Bicarbonate (NaHCO ₃) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO ₄) (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	
Conductor 16" Hole Size 24"	0'	40'	65	H-40	STC	1,640	670	439	API
Surface casing 9-5/8" Hole Size 12-1/4"	0'	1500'	36	J-55	STC	3,250 405 8.69	2,020 696 2.90	423,000 36,000 11.75	API Load SF
Prod casing 5-1/2" Hole Size 7- 7/8"	0'	8,710'	17	E-80	LTC	7,740 6,200 1.25	6,290 3,800 1.66	348,000 128,000 2.72	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 ³ /sk)
Surface casing	1500' - surface	Class V 2% chlorides	75%	730	15.8	1.15
Prod casing Lead	4310' to Surface	Hifill Class V 3% chlorides	25% in open-hole, 0% in cased hole	277	10.5	3.66
Prod casing Tail	TD to 4310'	Class G 10% chlorides	15%	535	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 without prior DOGM approval to ensure adequate protection of fresh water aquifers.

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

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

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

6. Minimum Specifications for Pressure Control

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

The configuration is as follows:

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

7. BOPE Test Criteria

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

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

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

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

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

8. Accumulator

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

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

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

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

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

9. Testing, Logging and Coring Programs

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

10. Anticipated Abnormal Pressures or Temperature

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

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

11. Anticipated Starting Date and Duration of Operations

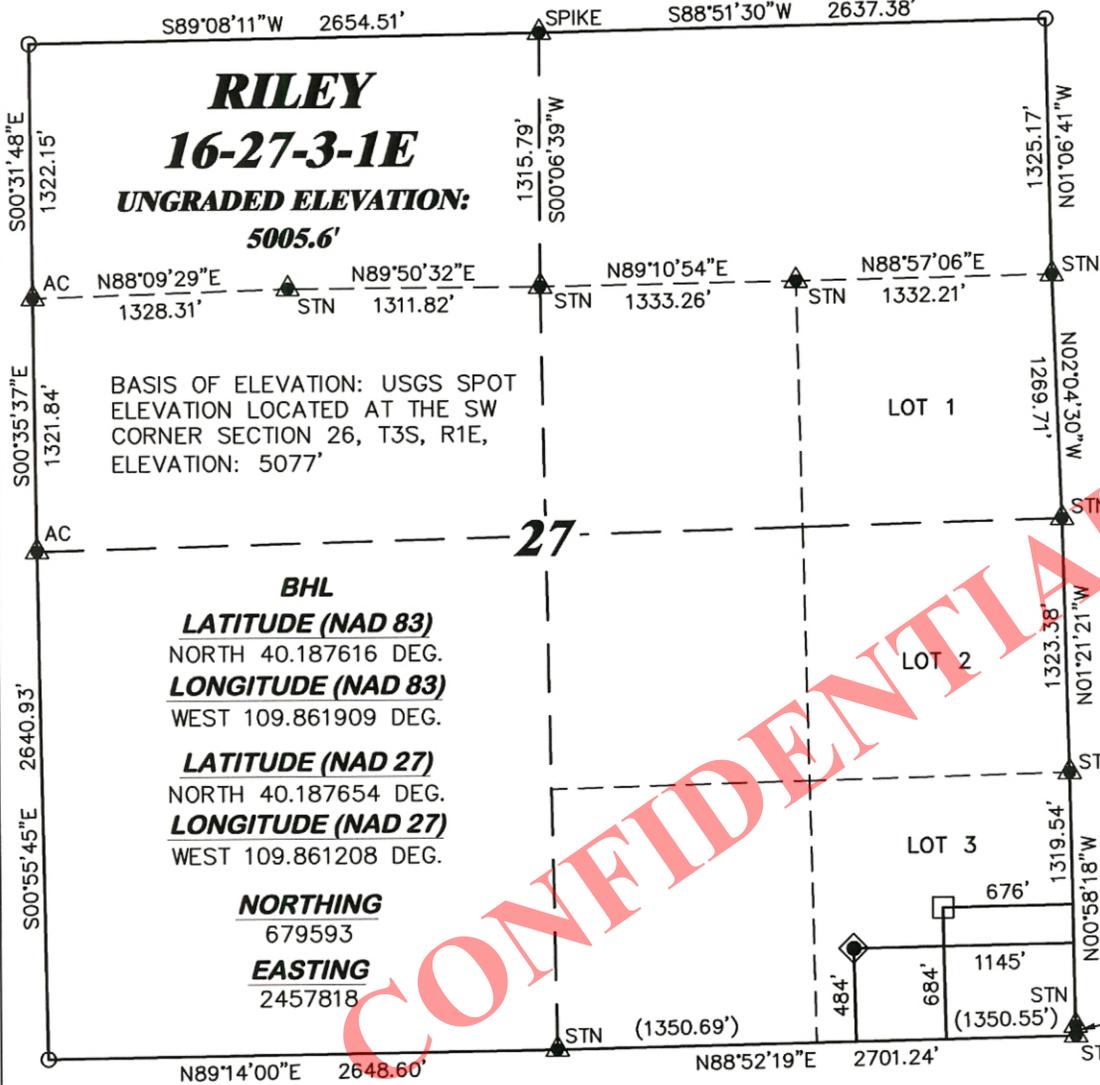
It is anticipated that drilling operations will commence as soon as possible following permit approval and will take approximately ten (10) days from spud to rig release and two weeks for completions.

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)

CONFIDENTIAL

R. 1 E.



SCALE 1" = 1000'
GRID NORTH

T. 3 S.

SHL

LATITUDE (NAD 83)
NORTH 40.187066 DEG.
LONGITUDE (NAD 83)
WEST 109.863589 DEG.

LATITUDE (NAD 27)
NORTH 40.187105 DEG.
LONGITUDE (NAD 27)
WEST 109.862888 DEG.

NORTHING
679384.38

EASTING
2457352.72'

DATUM
SPCS UTC (NAD 27)

BASIS OF ELEVATION: USGS SPOT
ELEVATION LOCATED AT THE SW
CORNER SECTION 26, T3S, R1E,
ELEVATION: 5077'

BHL
LATITUDE (NAD 83)
NORTH 40.187616 DEG.
LONGITUDE (NAD 83)
WEST 109.861909 DEG.
LATITUDE (NAD 27)
NORTH 40.187654 DEG.
LONGITUDE (NAD 27)
WEST 109.861208 DEG.

NORTHING
679593
EASTING
2457818

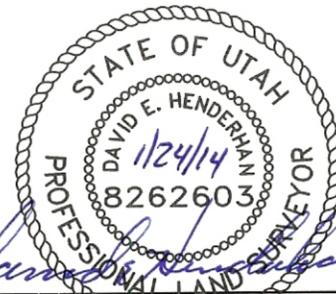


SURVEYOR'S STATEMENT

I, DAVID E. HENDERHAN, OF GRAND JUNCTION, COLORADO, HEREBY STATE: THIS MAP WAS MADE FROM NOTES TAKEN DURING AN ACTUAL FIELD SURVEY DONE UNDER MY DIRECT SUPERVISION ON THE 12th DAY OF JANUARY, 2014 AND THAT THIS PLAT CORRECTLY SHOWS THE LOCATION OF RILEY 16-27-3-1E AS STAKED ON THE GROUND.

LEGEND

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



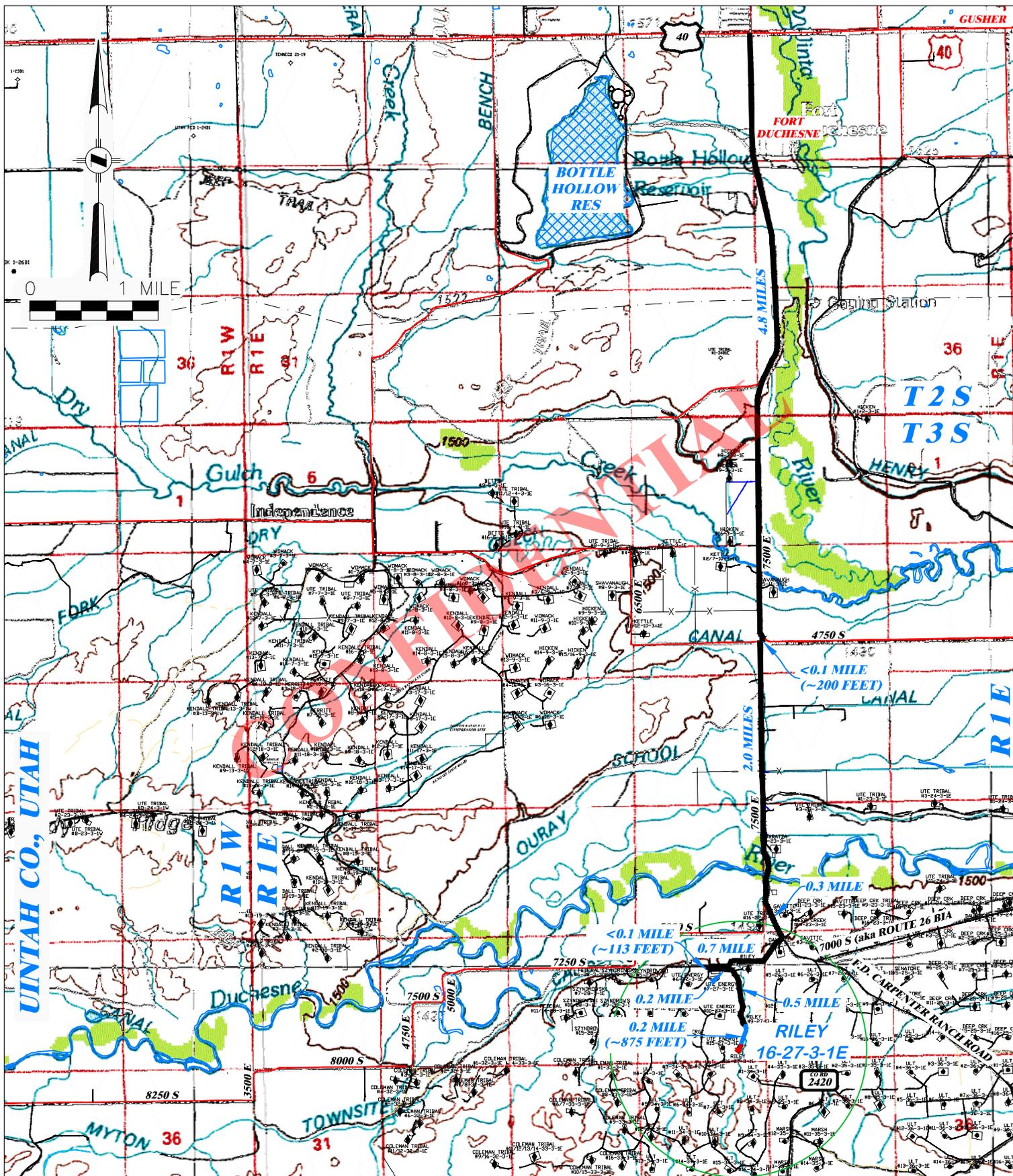
UTAH PLS. NO. 8262603-2201

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

**PLAT OF DRILLING LOCATION IN
LOT 3, SECTION 27, FOR
CRESCENT POINT ENERGY**

DRAWN: 1/21/2014 - RAS	SCALE: 1" = 1000'
REVISED: N/A - .	DRG JOB No. 18520
	EXHIBIT 1

**484' F/SL, & 1145' F/EL, SECTION 27,
T. 3 S., R. 1 E., U.S.M.,
UINTAH COUNTY, UTAH**



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

**PROPOSED ACCESS FOR
 CRESCENT POINT ENERGY
 RILEY 16-27-3-1E
 SECTION 27, T. 3 S., R. 1 E.**

DRAWN: 1/21/2014 - RAS

SCALE: 1" = 1 MILE

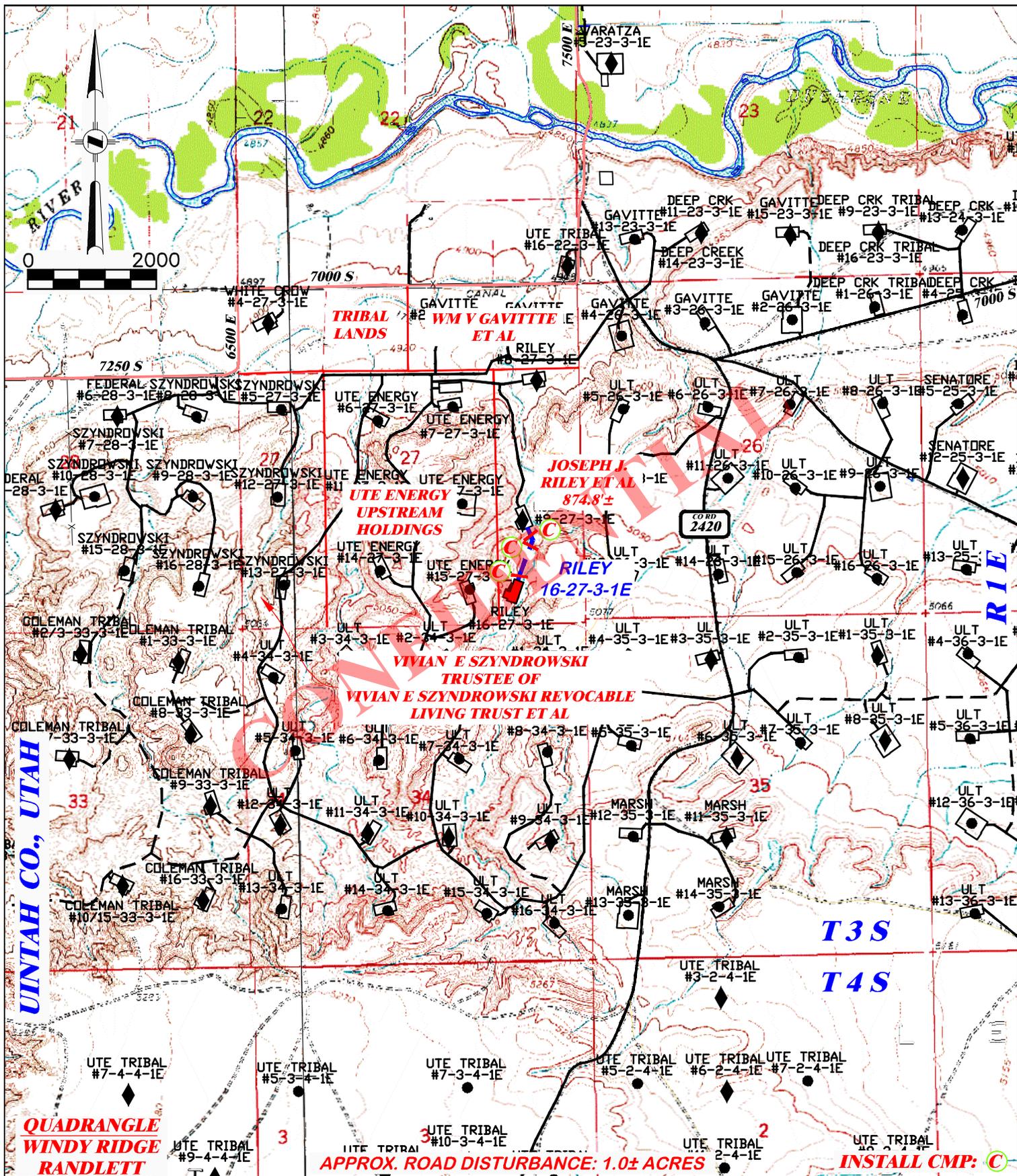
REVISED: N/A -

DRG JOB No. 18520

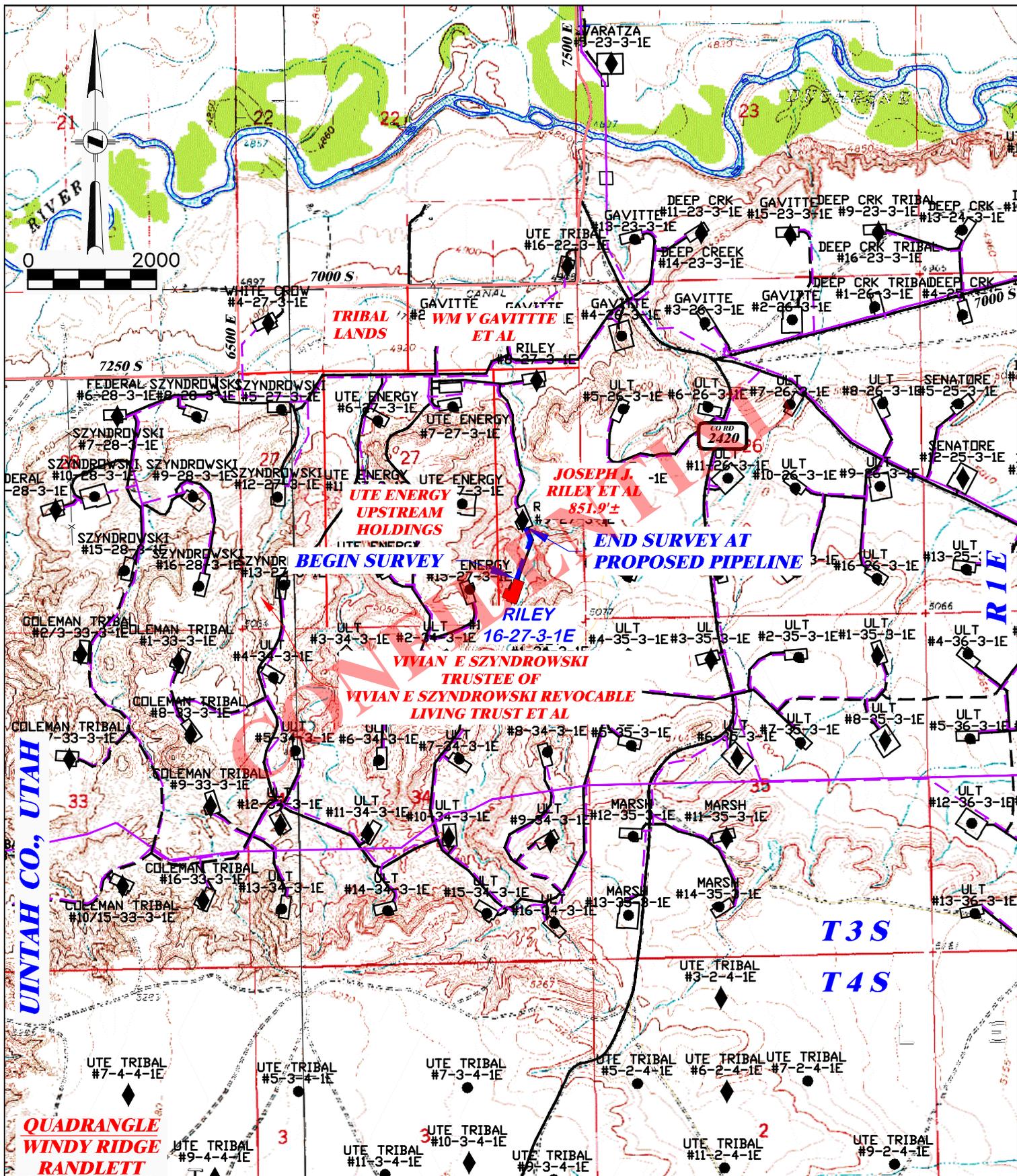
TOPO A

PROPOSED ROAD ———

EXISTING ROAD ———



 DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901		PROPOSED ROAD FOR CRESCENT POINT ENERGY RILEY 16-27-3-1E SECTION 27, T.3 S., R.1 E.	
DRAWN: 1/21/2014 - RAS		SCALE: 1" = 2000'	
REVISED: N/A -		DRG JOB No. 18520	
		TOTAL PROPOSED LENGTH: 874.8±	
		PROPOSED ROAD ————	EXISTING ROAD ————



<p>DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901</p>		<p>PROPOSED PIPELINE FOR CRESCENT POINT ENERGY RILEY 16-27-3-1E SECTION 27, T.3 S., R.1 E.</p>	
<p>DRAWN: 1/21/2014 - RAS</p>		<p>SCALE: 1" = 2000'</p>	
<p>REVISED: N/A -</p>		<p>DRG JOB No. 18520</p>	
<p>TOPO D</p>		<p>TOTAL PROPOSED LENGTH: 851.9±</p>	
<p>PROPOSED PIPELINE ———</p>		<p>EXISTING ROAD ———</p>	



Crescent Point Energy

Unitah County
Section 27 R1E, T3S
Riley 16-27-3-1E

Wellbore #1

Plan: Design #1

Standard Planning Report

28 May, 2014

CONFIDENTIAL





Payzone Directional
Planning Report



Database:	MasterDB	Local Co-ordinate Reference:	Well Riley 16-27-3-1E
Company:	Crescent Point Energy	TVD Reference:	Riley 16-27-3-1E @ 5018.6usft (Original Well Elev)
Project:	Utah County	MD Reference:	Riley 16-27-3-1E @ 5018.6usft (Original Well Elev)
Site:	Section 27 R1E, T3S	North Reference:	True
Well:	Riley 16-27-3-1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Utah County		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site	Section 27 R1E, T3S				
Site Position:		Northing:	7,244,351.51 usft	Latitude:	40° 11' 46.028 N
From:	Lat/Long	Easting:	2,097,952.29 usft	Longitude:	109° 51' 43.110 W
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.05 °

Well	Riley 16-27-3-1E, SHL LAT: 40.187066 LONG: -109.863589					
Well Position	+N/-S	-3,297.7 usft	Northing:	7,241,046.08 usft	Latitude:	40° 11' 13.437 N
	+E/-W	-450.9 usft	Easting:	2,097,561.85 usft	Longitude:	109° 51' 48.920 W
Position Uncertainty	0.0 usft		Wellhead Elevation:	5,018.6 usft	Ground Level:	5,005.6 usft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	5/28/2014	10.87	65.87	52,087

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.0	0.0	0.0	66.88

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.00	0.00	0.00	0.00	
3,237.5	11.06	66.88	3,232.9	27.9	65.3	1.50	1.50	0.00	66.88	
5,157.3	11.06	66.88	5,117.1	172.5	404.1	0.00	0.00	0.00	0.00	
5,894.8	0.00	0.00	5,850.0	200.4	469.3	1.50	-1.50	0.00	180.00	Riley 16-27-3-1E TGT
8,710.8	0.00	0.00	8,666.0	200.4	469.3	0.00	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	MasterDB	Local Co-ordinate Reference:	Well Riley 16-27-3-1E
Company:	Crescent Point Energy	TVD Reference:	Riley 16-27-3-1E @ 5018.6usft (Original Well Elev)
Project:	Utah County	MD Reference:	Riley 16-27-3-1E @ 5018.6usft (Original Well Elev)
Site:	Section 27 R1E, T3S	North Reference:	True
Well:	Riley 16-27-3-1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
800.0	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,300.0	0.00	0.00	1,300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,400.0	0.00	0.00	1,400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,600.0	0.00	0.00	1,600.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,700.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,800.0	0.00	0.00	1,800.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,000.0	0.00	0.00	2,000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,100.0	0.00	0.00	2,100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,200.0	0.00	0.00	2,200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,300.0	0.00	0.00	2,300.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,400.0	0.00	0.00	2,400.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
2,500.0	0.00	0.00	2,500.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
Start Build 1.50										
2,600.0	1.50	66.88	2,600.0	0.5	1.2	1.3	1.50	1.50	0.00	0.00
2,700.0	3.00	66.88	2,699.9	2.1	4.8	5.2	1.50	1.50	0.00	0.00
2,800.0	4.50	66.88	2,799.7	4.6	10.8	11.8	1.50	1.50	0.00	0.00
2,900.0	6.00	66.88	2,899.3	8.2	19.2	20.9	1.50	1.50	0.00	0.00
3,000.0	7.50	66.88	2,998.6	12.8	30.1	32.7	1.50	1.50	0.00	0.00
3,100.0	9.00	66.88	3,097.5	18.5	43.3	47.0	1.50	1.50	0.00	0.00
3,200.0	10.50	66.88	3,196.1	25.1	58.8	64.0	1.50	1.50	0.00	0.00
3,237.5	11.06	66.88	3,232.9	27.9	65.3	71.0	1.50	1.50	0.00	0.00
Start 1919.8 hold at 3237.5 MD										
3,300.0	11.06	66.88	3,294.3	32.6	76.3	83.0	0.00	0.00	0.00	0.00
3,400.0	11.06	66.88	3,392.4	40.1	94.0	102.2	0.00	0.00	0.00	0.00
3,500.0	11.06	66.88	3,490.5	47.6	111.6	121.3	0.00	0.00	0.00	0.00
3,600.0	11.06	66.88	3,588.7	55.2	129.2	140.5	0.00	0.00	0.00	0.00
3,700.0	11.06	66.88	3,686.8	62.7	146.9	159.7	0.00	0.00	0.00	0.00
3,800.0	11.06	66.88	3,785.0	70.2	164.5	178.9	0.00	0.00	0.00	0.00
3,900.0	11.06	66.88	3,883.1	77.8	182.2	198.1	0.00	0.00	0.00	0.00
4,000.0	11.06	66.88	3,981.3	85.3	199.8	217.3	0.00	0.00	0.00	0.00
4,100.0	11.06	66.88	4,079.4	92.8	217.5	236.5	0.00	0.00	0.00	0.00
4,200.0	11.06	66.88	4,177.5	100.4	235.1	255.7	0.00	0.00	0.00	0.00
4,300.0	11.06	66.88	4,275.7	107.9	252.8	274.8	0.00	0.00	0.00	0.00
4,310.5	11.06	66.88	4,286.0	108.7	254.6	276.9	0.00	0.00	0.00	0.00
Up. Green River										
4,400.0	11.06	66.88	4,373.8	115.4	270.4	294.0	0.00	0.00	0.00	0.00
4,500.0	11.06	66.88	4,472.0	123.0	288.1	313.2	0.00	0.00	0.00	0.00
4,600.0	11.06	66.88	4,570.1	130.5	305.7	332.4	0.00	0.00	0.00	0.00



Payzone Directional
Planning Report



Database:	MasterDB	Local Co-ordinate Reference:	Well Riley 16-27-3-1E
Company:	Crescent Point Energy	TVD Reference:	Riley 16-27-3-1E @ 5018.6usft (Original Well Elev)
Project:	Utah County	MD Reference:	Riley 16-27-3-1E @ 5018.6usft (Original Well Elev)
Site:	Section 27 R1E, T3S	North Reference:	True
Well:	Riley 16-27-3-1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
4,700.0	11.06	66.88	4,668.3	138.0	323.4	351.6	0.00	0.00	0.00	
4,800.0	11.06	66.88	4,766.4	145.6	341.0	370.8	0.00	0.00	0.00	
4,836.3	11.06	66.88	4,802.0	148.3	347.4	377.7	0.00	0.00	0.00	
Mahogany										
4,900.0	11.06	66.88	4,864.5	153.1	358.7	390.0	0.00	0.00	0.00	
5,000.0	11.06	66.88	4,962.7	160.6	376.3	409.2	0.00	0.00	0.00	
5,100.0	11.06	66.88	5,060.8	168.2	394.0	428.3	0.00	0.00	0.00	
5,157.3	11.06	66.88	5,117.1	172.5	404.1	439.3	0.00	0.00	0.00	
Start Drop -1.50										
5,200.0	10.42	66.88	5,159.0	175.6	411.4	447.3	1.50	-1.50	0.00	
5,300.0	8.92	66.88	5,257.6	182.2	426.8	464.1	1.50	-1.50	0.00	
5,400.0	7.42	66.88	5,356.6	187.8	439.9	478.3	1.50	-1.50	0.00	
5,500.0	5.92	66.88	5,455.9	192.4	450.6	489.9	1.50	-1.50	0.00	
5,600.0	4.42	66.88	5,555.5	195.9	458.9	498.9	1.50	-1.50	0.00	
5,700.0	2.92	66.88	5,655.3	198.4	464.8	505.4	1.50	-1.50	0.00	
5,800.0	1.42	66.88	5,755.2	199.9	468.3	509.1	1.50	-1.50	0.00	
5,894.8	0.00	0.00	5,850.0	200.4	469.3	510.3	1.50	-1.50	-70.54	
Start 2816.0 hold at 5894.8 MD - TGR3 - Riley 16-27-3-1E TGT										
5,900.0	0.00	0.00	5,855.2	200.4	469.3	510.3	0.00	0.00	0.00	
6,000.0	0.00	0.00	5,955.2	200.4	469.3	510.3	0.00	0.00	0.00	
6,100.0	0.00	0.00	6,055.2	200.4	469.3	510.3	0.00	0.00	0.00	
6,200.0	0.00	0.00	6,155.2	200.4	469.3	510.3	0.00	0.00	0.00	
6,300.0	0.00	0.00	6,255.2	200.4	469.3	510.3	0.00	0.00	0.00	
6,400.0	0.00	0.00	6,355.2	200.4	469.3	510.3	0.00	0.00	0.00	
6,500.0	0.00	0.00	6,455.2	200.4	469.3	510.3	0.00	0.00	0.00	
6,600.0	0.00	0.00	6,555.2	200.4	469.3	510.3	0.00	0.00	0.00	
6,700.0	0.00	0.00	6,655.2	200.4	469.3	510.3	0.00	0.00	0.00	
6,800.0	0.00	0.00	6,755.2	200.4	469.3	510.3	0.00	0.00	0.00	
6,805.8	0.00	0.00	6,761.0	200.4	469.3	510.3	0.00	0.00	0.00	
Douglas Creek										
6,900.0	0.00	0.00	6,855.2	200.4	469.3	510.3	0.00	0.00	0.00	
7,000.0	0.00	0.00	6,955.2	200.4	469.3	510.3	0.00	0.00	0.00	
7,100.0	0.00	0.00	7,055.2	200.4	469.3	510.3	0.00	0.00	0.00	
7,200.0	0.00	0.00	7,155.2	200.4	469.3	510.3	0.00	0.00	0.00	
7,300.0	0.00	0.00	7,255.2	200.4	469.3	510.3	0.00	0.00	0.00	
7,323.8	0.00	0.00	7,279.0	200.4	469.3	510.3	0.00	0.00	0.00	
Black Shale										
7,400.0	0.00	0.00	7,355.2	200.4	469.3	510.3	0.00	0.00	0.00	
7,471.8	0.00	0.00	7,427.0	200.4	469.3	510.3	0.00	0.00	0.00	
Castle Peak										
7,500.0	0.00	0.00	7,455.2	200.4	469.3	510.3	0.00	0.00	0.00	
7,600.0	0.00	0.00	7,555.2	200.4	469.3	510.3	0.00	0.00	0.00	
7,700.0	0.00	0.00	7,655.2	200.4	469.3	510.3	0.00	0.00	0.00	
7,767.8	0.00	0.00	7,723.0	200.4	469.3	510.3	0.00	0.00	0.00	
Uteland										
7,800.0	0.00	0.00	7,755.2	200.4	469.3	510.3	0.00	0.00	0.00	
7,900.0	0.00	0.00	7,855.2	200.4	469.3	510.3	0.00	0.00	0.00	
7,910.8	0.00	0.00	7,866.0	200.4	469.3	510.3	0.00	0.00	0.00	
Wasatch										
8,000.0	0.00	0.00	7,955.2	200.4	469.3	510.3	0.00	0.00	0.00	
8,100.0	0.00	0.00	8,055.2	200.4	469.3	510.3	0.00	0.00	0.00	



Payzone Directional
Planning Report



Database:	MasterDB	Local Co-ordinate Reference:	Well Riley 16-27-3-1E
Company:	Crescent Point Energy	TVD Reference:	Riley 16-27-3-1E @ 5018.6usft (Original Well Elev)
Project:	Utah County	MD Reference:	Riley 16-27-3-1E @ 5018.6usft (Original Well Elev)
Site:	Section 27 R1E, T3S	North Reference:	True
Well:	Riley 16-27-3-1E	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
8,200.0	0.00	0.00	8,155.2	200.4	469.3	510.3	0.00	0.00	0.00	
8,300.0	0.00	0.00	8,255.2	200.4	469.3	510.3	0.00	0.00	0.00	
8,400.0	0.00	0.00	8,355.2	200.4	469.3	510.3	0.00	0.00	0.00	
8,500.0	0.00	0.00	8,455.2	200.4	469.3	510.3	0.00	0.00	0.00	
8,600.0	0.00	0.00	8,555.2	200.4	469.3	510.3	0.00	0.00	0.00	
8,700.0	0.00	0.00	8,655.2	200.4	469.3	510.3	0.00	0.00	0.00	
8,710.8	0.00	0.00	8,666.0	200.4	469.3	510.3	0.00	0.00	0.00	
TD at 8710.8										

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Riley 16-27-3-1E TGT - hit/miss target - Shape - Point	0.00	0.00	5,850.0	200.4	469.3	7,241,255.00	2,098,027.45	40° 11' 15.418 N	109° 51' 42.872 W

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
4,310.5	4,286.0	Up. Green River		0.00	
4,836.3	4,802.0	Mahogany		0.00	
5,894.8	5,850.0	TGR3		0.00	
6,805.8	6,761.0	Douglas Creek		0.00	
7,323.8	7,279.0	Black Shale		0.00	
7,471.8	7,427.0	Castle Peak		0.00	
7,767.8	7,723.0	Uteland		0.00	
7,910.8	7,866.0	Wasatch		0.00	

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
2,500.0	2,500.0	0.0	0.0	Start Build 1.50
3,237.5	3,232.9	27.9	65.3	Start 1919.8 hold at 3237.5 MD
5,157.3	5,117.1	172.5	404.1	Start Drop -1.50
5,894.8	5,850.0	200.4	469.3	Start 2816.0 hold at 5894.8 MD
8,710.8	8,666.0	200.4	469.3	TD at 8710.8



Well Name: Riley 16-27-3-1E
 Surface Location: Section 27 R1E, T3S
 North American Datum 1983 US State Plane 1983 Utah Central Zone
 Ground Elevation: 5005.6
 +N/-S +E/-W Northing Easting Latitude Longitude Slot
 0.0 0.0 7241046.08 2097561.85 40° 11' 13.437 N 109° 51' 48.920 W
 Original Well Elev Riley 16-27-3-1E @ 5018.6usft (Original Well Elev)



Azimuths to True North
 Magnetic North: 10.87°
 Magnetic Field
 Strength: 52087.2snT
 Dip Angle: 65.87°
 Date: 5/28/2014
 Model: IGRF2010

Section 27 R1E, T3S
 Riley 16-27-3-1E
 Design #1
 12:26, May 28 2014

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

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape Point
Riley 16-27-3-1E TGT	5005.0	200.4	469.3	7241254.99	2098027.45	40° 11' 15.418 N	109° 51' 42.872 W	

ANNOTATIONS

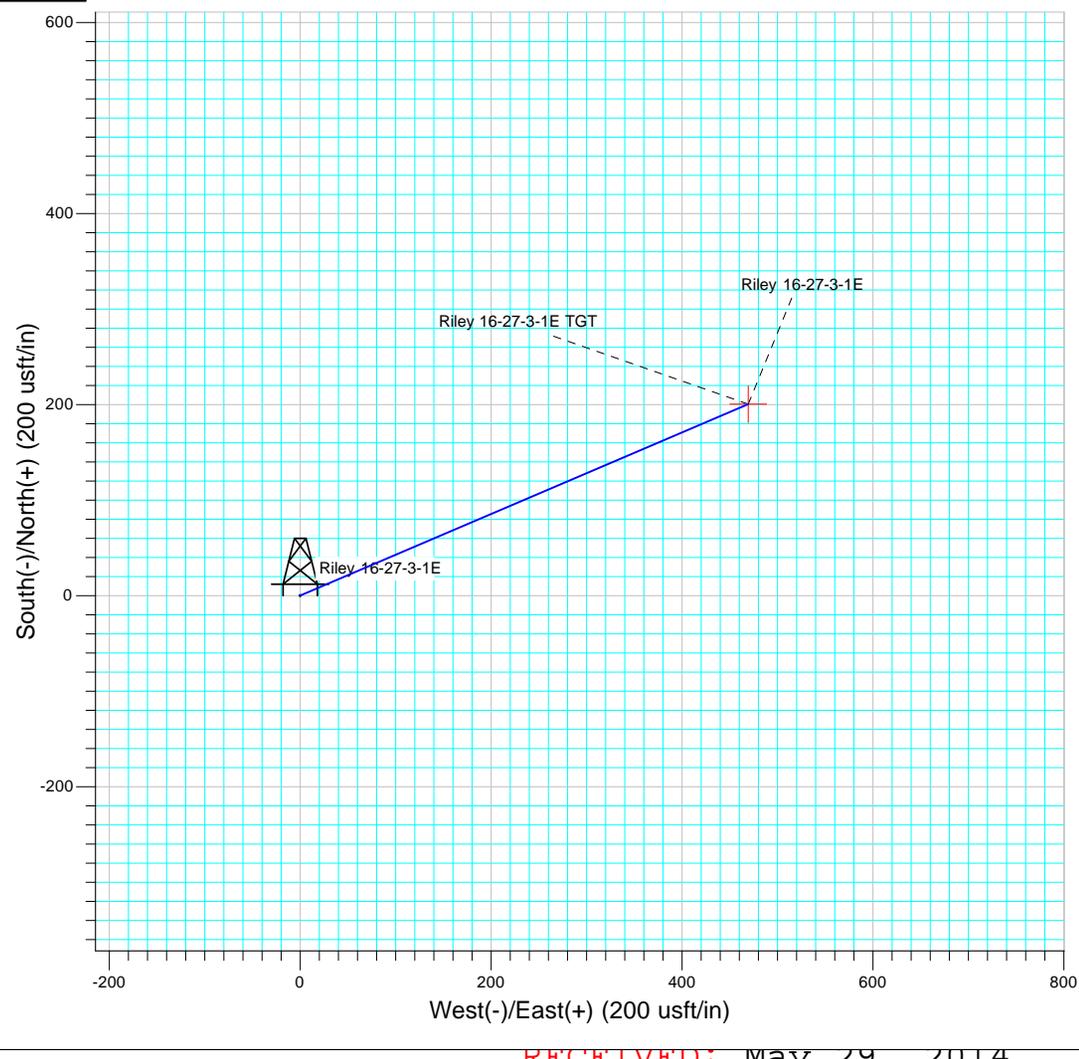
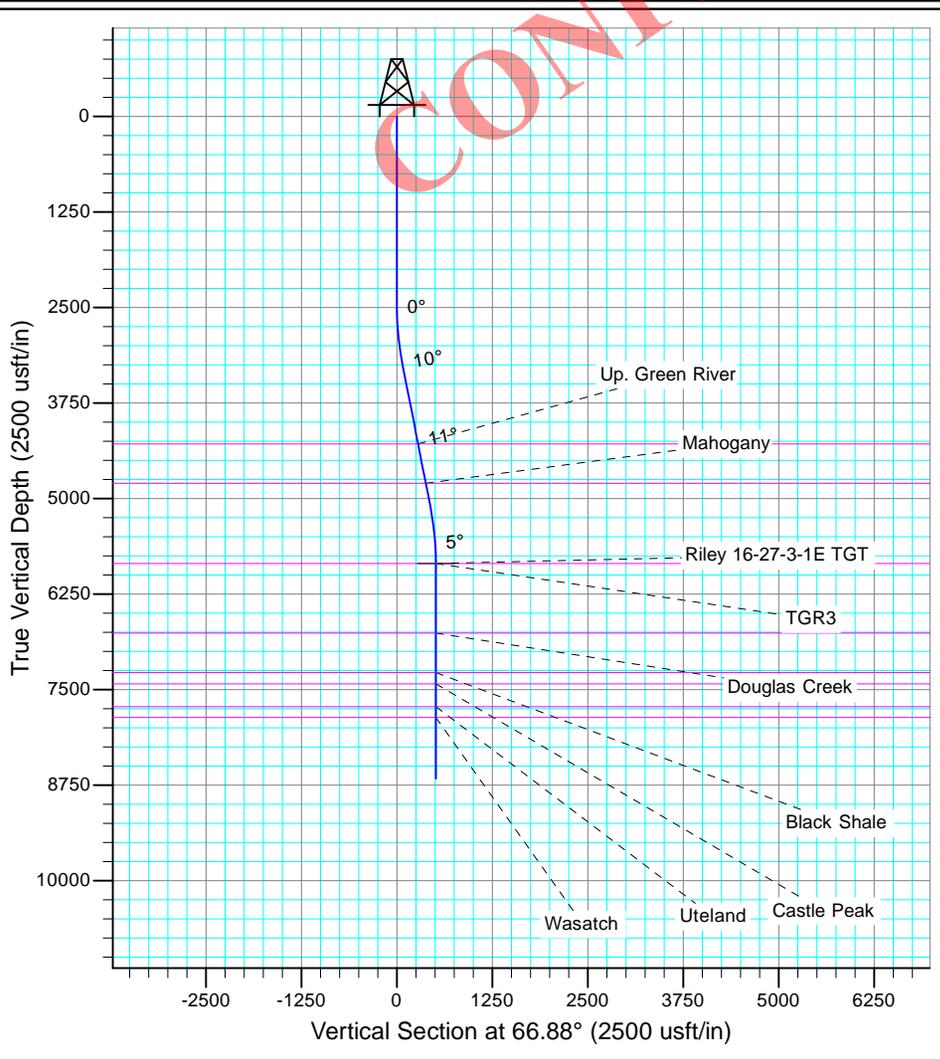
TVD	MD	Annotation
2500.0	2500.0	Start Build 1.50
3232.9	3237.5	Start 1919.8 hold at 3237.5 MD
5117.1	5157.3	Start Drop -1.50
5850.0	5894.8	Start 2816.0 hold at 5894.8 MD
8666.0	8710.8	TD at 8710.8

SECTION DETAILS

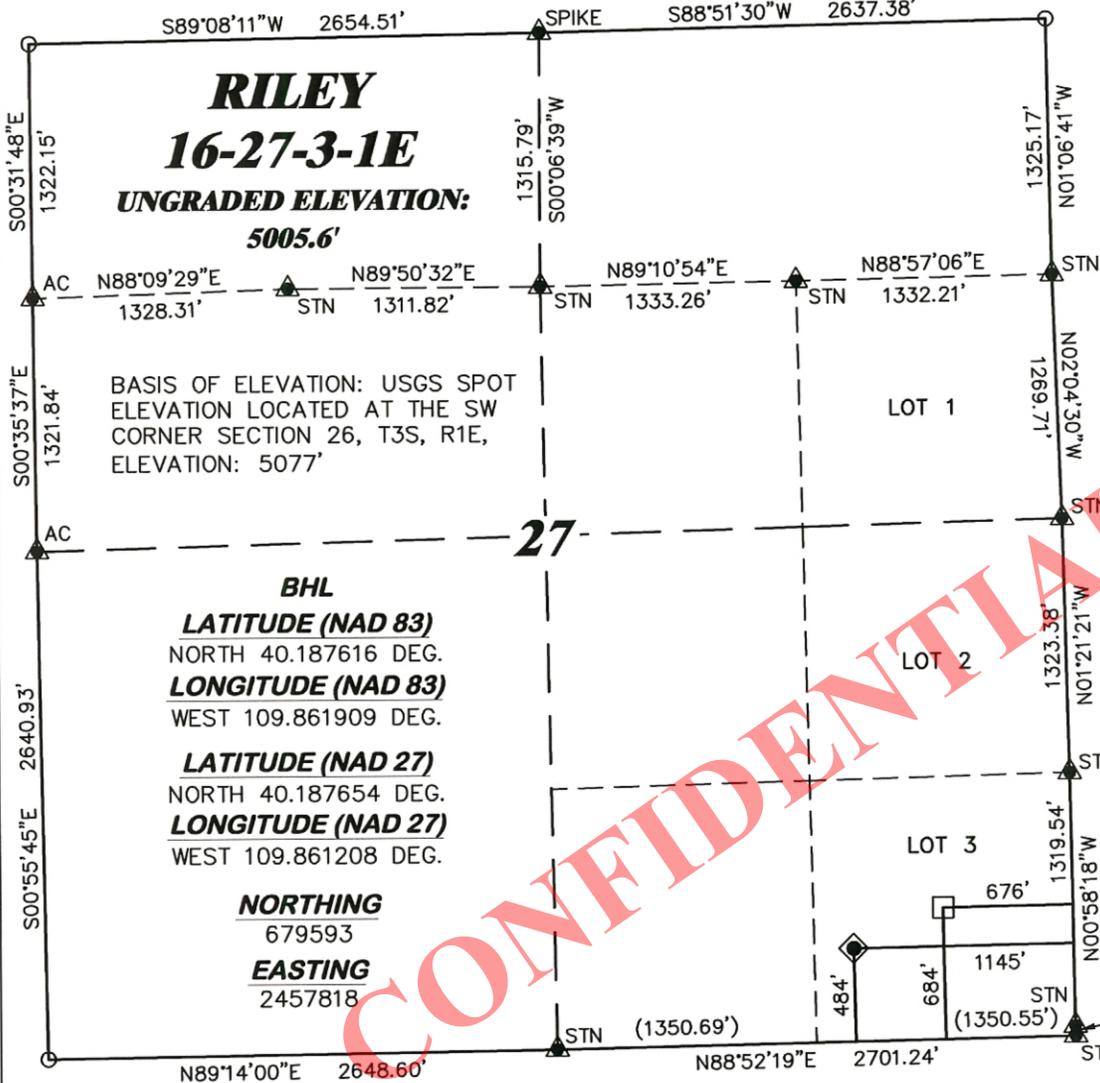
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	2500.0	0.00	0.00	2500.0	0.0	0.0	0.00	0.00	0.0	
3	3237.5	11.06	66.88	3232.9	27.9	65.3	1.50	66.88	71.0	
4	5157.3	11.06	66.88	5117.1	172.5	404.1	0.00	0.00	439.3	
5	5894.8	0.00	0.00	5850.0	200.4	469.3	1.50	180.00	510.3	Riley 16-27-3-1E TGT
6	8710.8	0.00	0.00	8666.0	200.4	469.3	0.00	0.00	510.3	

FORMATION TOP DETAILS

TVDPath	MDPath	Formation	DipAngle	DipDir
4286.0	4310.5	Up. Green River	0.00	
4802.0	4836.3	Mahogany	0.00	
5850.0	5894.8	TGR3	0.00	
6761.0	6805.8	Douglas Creek	0.00	
7279.0	7323.8	Black Shale	0.00	
7427.0	7471.8	Castle Peak	0.00	
7723.0	7767.8	Uteland	0.00	
7866.0	7910.8	Wasatch	0.00	



R. 1 E.



SCALE 1" = 1000'
GRID NORTH

T. 3 S.

SHL

LATITUDE (NAD 83)
NORTH 40.187066 DEG.
LONGITUDE (NAD 83)
WEST 109.863589 DEG.

LATITUDE (NAD 27)
NORTH 40.187105 DEG.
LONGITUDE (NAD 27)
WEST 109.862888 DEG.

NORTHING
679384.38

EASTING
2457352.72'

DATUM
SPCS UTC (NAD 27)

BASIS OF ELEVATION: USGS SPOT
ELEVATION LOCATED AT THE SW
CORNER SECTION 26, T3S, R1E,
ELEVATION: 5077'

BHL
LATITUDE (NAD 83)
NORTH 40.187616 DEG.
LONGITUDE (NAD 83)
WEST 109.861909 DEG.
LATITUDE (NAD 27)
NORTH 40.187654 DEG.
LONGITUDE (NAD 27)
WEST 109.861208 DEG.

NORTHING
679593
EASTING
2457818



SURVEYOR'S STATEMENT

I, DAVID E. HENDERHAN, OF GRAND JUNCTION, COLORADO, HEREBY STATE: THIS MAP WAS MADE FROM NOTES TAKEN DURING AN ACTUAL FIELD SURVEY DONE UNDER MY DIRECT SUPERVISION ON THE 12th DAY OF JANUARY, 2014 AND THAT THIS PLAT CORRECTLY SHOWS THE LOCATION OF RILEY 16-27-3-1E AS STAKED ON THE GROUND.

LEGEND

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



UTAH PLS. NO. 8262603-2201

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

**PLAT OF DRILLING LOCATION IN
LOT 3, SECTION 27, FOR
CRESCENT POINT ENERGY**

DRAWN: 1/21/2014 - RAS	SCALE: 1" = 1000'
REVISED: N/A - .	DRG JOB No. 18520
	EXHIBIT 1

**484' F/SL, & 1145' F/EL, SECTION 27,
T. 3 S., R. 1 E., U.S.M.,
UINTAH COUNTY, UTAH**

MEMORANDUM of SURFACE USE AGREEMENT AND GRANT OF EASEMENTS

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

WHEREAS, that certain Surface Use Agreement and Grant of Easements (the "Agreement") dated effective September 11th, 2013, has been entered into between Pat Disselhorst, a widow, whose address is 5301 Keeney, Skokie, IL 60067, William F. Disselhorst, whose address is 6817 West Highland Ave., Chicago, IL 60631, John R. Disselhorst and Estelle M. Disselhorst, husband and wife, whose address is 205 Homestead, La Grange Park, IL 60526, Mark D. Riley and Robyn Riley, husband and wife, whose address is 5708 Fairview Ave., Downers Grove, IL 60516, and Susan Riley, a widow, whose address is 107 Mainsail Dr., Stevensville, MD 21666-2528 Crescent Point.

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

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

15-027-0002

TOWNSHIP 3 SOUTH, RANGE 1 EAST, UINTAH SPECIAL MERIDIAN
Section 27: Lot 1 (41.03 ac.), Lot 2 (41.61 ac.) and Lot 3 (41.87 ac.)

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

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

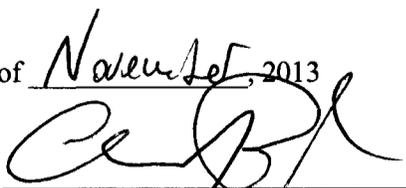
WHEREAS, Operator has the right to a non-exclusive pipeline easement to construct, maintain, inspect, operate and repair a pipeline or pipelines, pigging facilities and related appurtenances for the transportation of oil, gas, petroleum products, water and any other substances recovered during oil and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

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

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

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

This Memorandum is executed this 18th day of November, 2013



Anthony Baldwin
Manager, Land & Business Development

ACKNOWLEDGEMENT

STATE OF COLORADO)
 } ss
COUNTY OF DENVER)

The foregoing instrument was acknowledged before me by Anthony Baldwin as Manager, Land & Business Development for Crescent Point Energy U.S. Corp., this 18TH day of NOVEMBER, 2013.

JORDAN DORN WELLS
Notary Public

Notary Seal:

My Commission expires:
02/29/2016



CONFIDENTIAL

Entry 2013011750
Book 1360 Page 135-136 \$12.00
05-DEC-13 10:06
RANDY SIMMONS
RECORDER, UINTAH COUNTY, UTAH
CRESENT POINT ENERGY UC CORP
555 17TH STE 1800 DENVER, CO 80202
Rec By: DEBRA ROOKS , DEPUTY

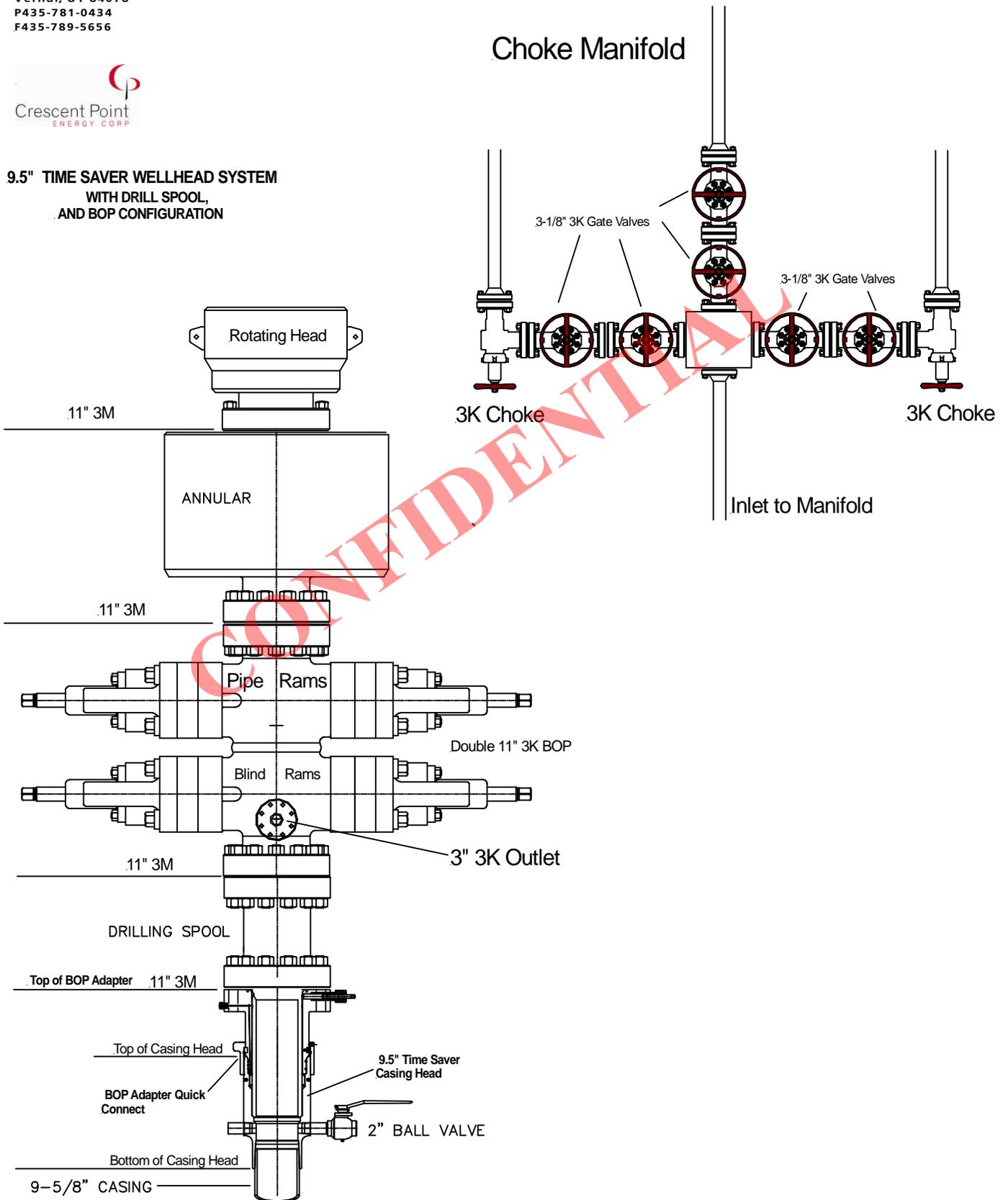


519 E. 300 S.
Vernal, UT 84078
P435-781-0434
F435-789-5656

Oct, 18, 2013



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





555 17th Street, Suite 1800
Denver, CO 80202
Phone: (720) 880-3610

April 22, 2014

State of Utah Division of Oil, Gas and Mining
Attention: Diana Mason
1594 West North Temple
Salt Lake City, UT 84116

**RE: Directional Drilling (R649-3-11) & Exception Location Request (R649-3-3)
Riley 16-27-3-1E**

*Surface Location: SESE of Section 27
484' FSL & 1145' FEL*

*Target Location: SESE of Section 27
684' FSL & 676' FEL*

*T3S-R1E, USM
Uintah County, Utah*

Dear Ms. Mason:

Pursuant to the filing of Crescent Point Energy U.S. Corp's (Crescent Point) Application for Permit to Drill regarding the above referenced well, and in accordance with Oil & Gas Conservation Rules R649-3-11 and R649-3-3, we are hereby submitting this letter as notice of our intention to directionally drill the captioned well and request that DOGM administratively grant an exception location for the Riley 16-27-3-1E.

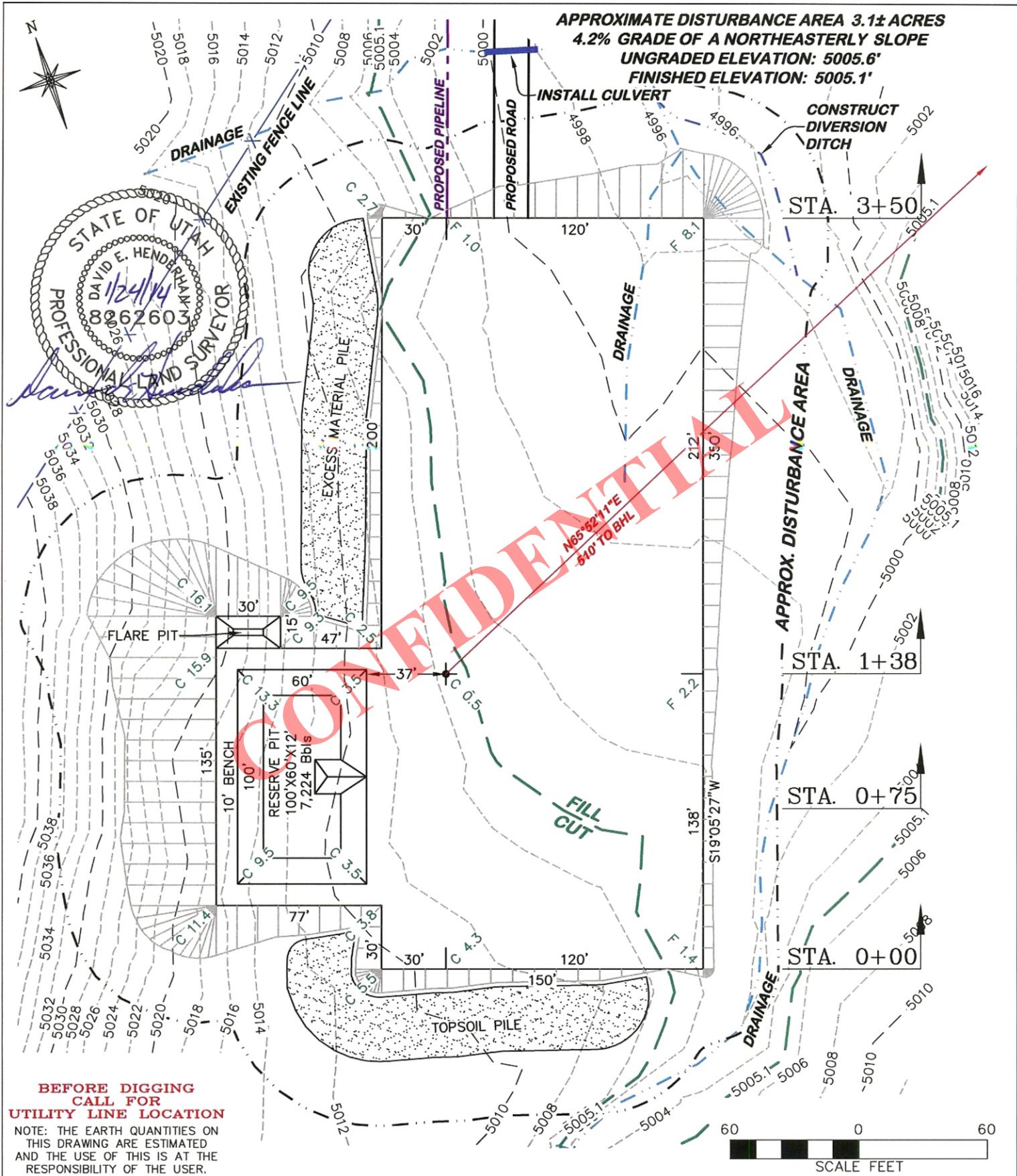
- Crescent Point is permitting the Riley 16-27-3-1E as a directional well. The surface location was moved outside the legal window from the center of the quarter quarter to avoid difficult topography.
- Crescent Point owns 100% of the leasehold within a 460' radius of the intended wellbore.

Therefore, based on the above stated information, Crescent Point requests the permit be granted pursuant to R649-3-11 and R649-3-3. If you have any questions or require further information, please don't hesitate to contact the undersigned at 303-382-6786 or by email at rwaller@crescentpointenergy.com. Your consideration of this matter is greatly appreciated.

Sincerely,
Crescent Point Energy U.S. Corp

A handwritten signature in blue ink, appearing to read 'Ryan Waller', is written over the typed name.

Ryan Waller
Landman

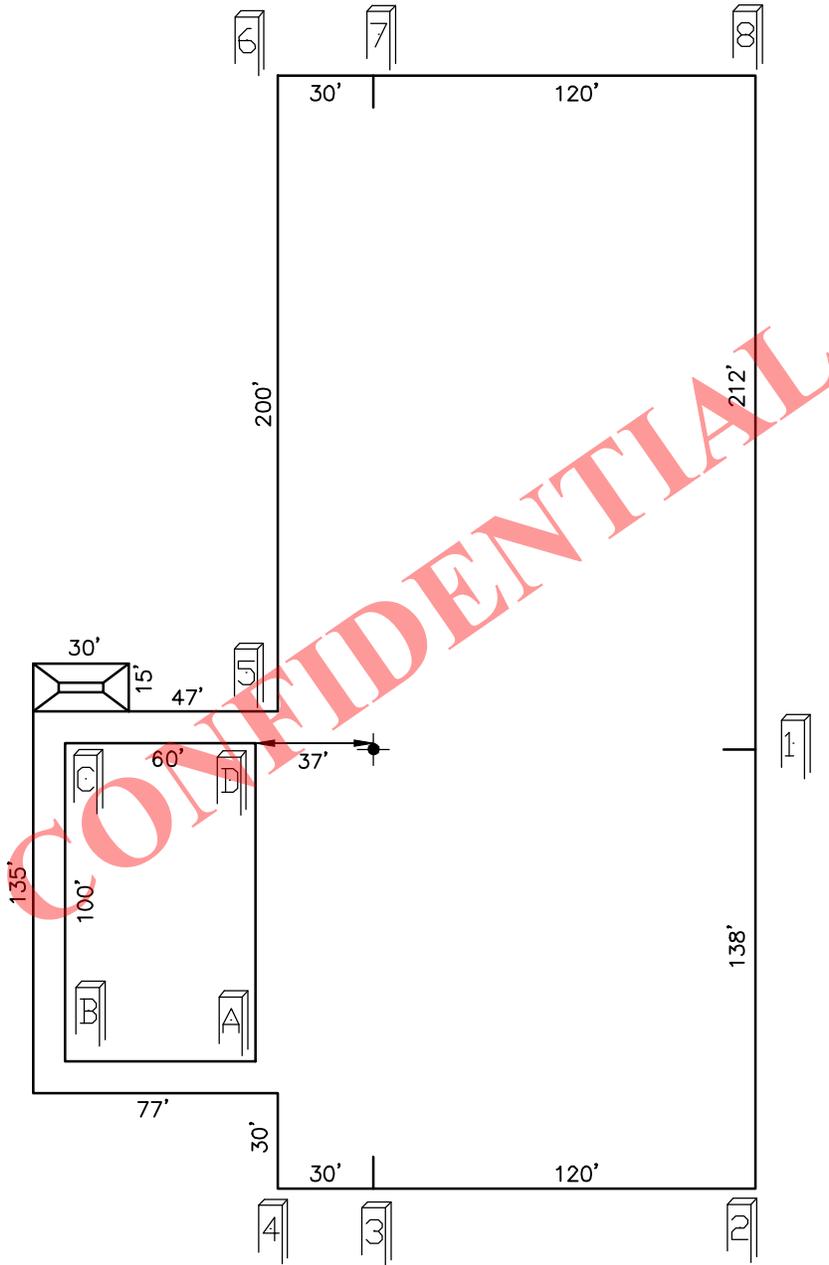


DRG RIFFIN & ASSOCIATES, INC.
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 1/21/2014 - RAS	SCALE: 1" = 60'
REVISED: N/A - -	DRG JOB No. 18520
FIGURE 1	

CRESCENT POINT ENERGY
RILEY 16-27-3-1E
SECTION 27, T.3 S., R.1 E.

UNGRADED ELEVATION: 5005.6'
 FINISHED ELEVATION: 5005.1'



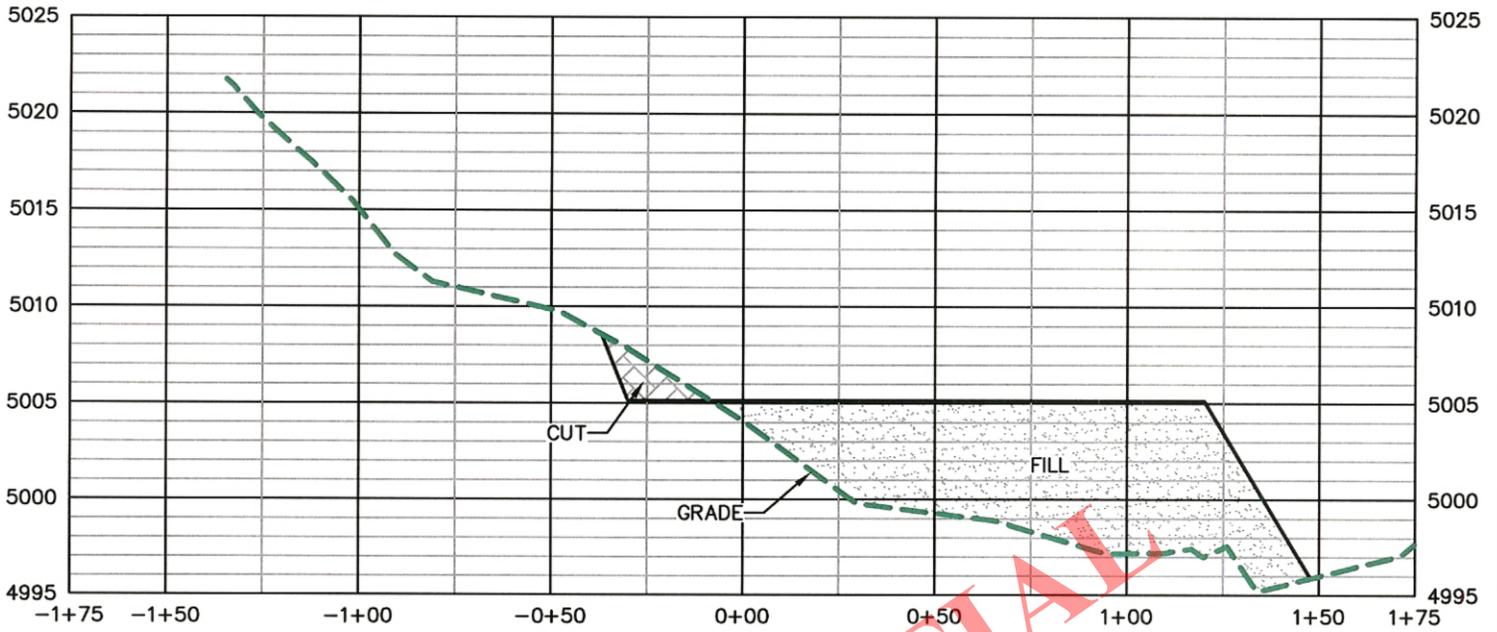
**BEFORE DIGGING
CALL FOR
UTILITY LINE LOCATION**

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

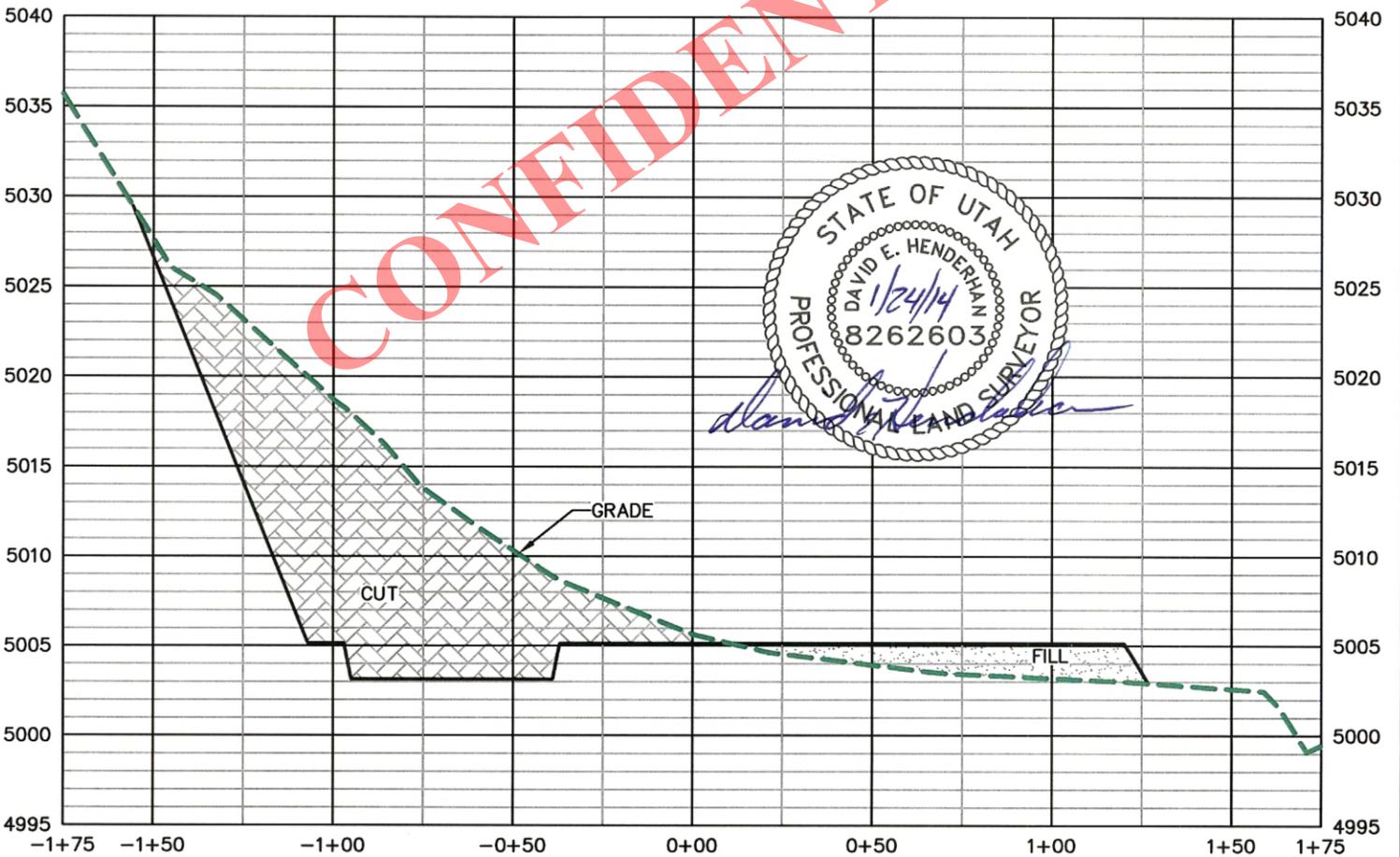


 DRG RIFFIN & ASSOCIATES, INC. (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901	
DRAWN: 1/21/2014 - RAS	SCALE: 1" = 60'
REVISED: N/A - .	DRG JOB No. 18520
FIGURE 1A	

PAD LAYOUT CRESCENT POINT ENERGY RILEY 16-27-3-1E SECTION 27, T. 3 S., R. 1 E.
UNGRADED ELEVATION: 5005.6' FINISHED ELEVATION: 5005.1'

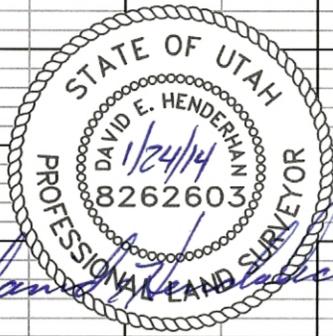


3+50



1+38

CONFIDENTIAL



David E. Henderhan

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

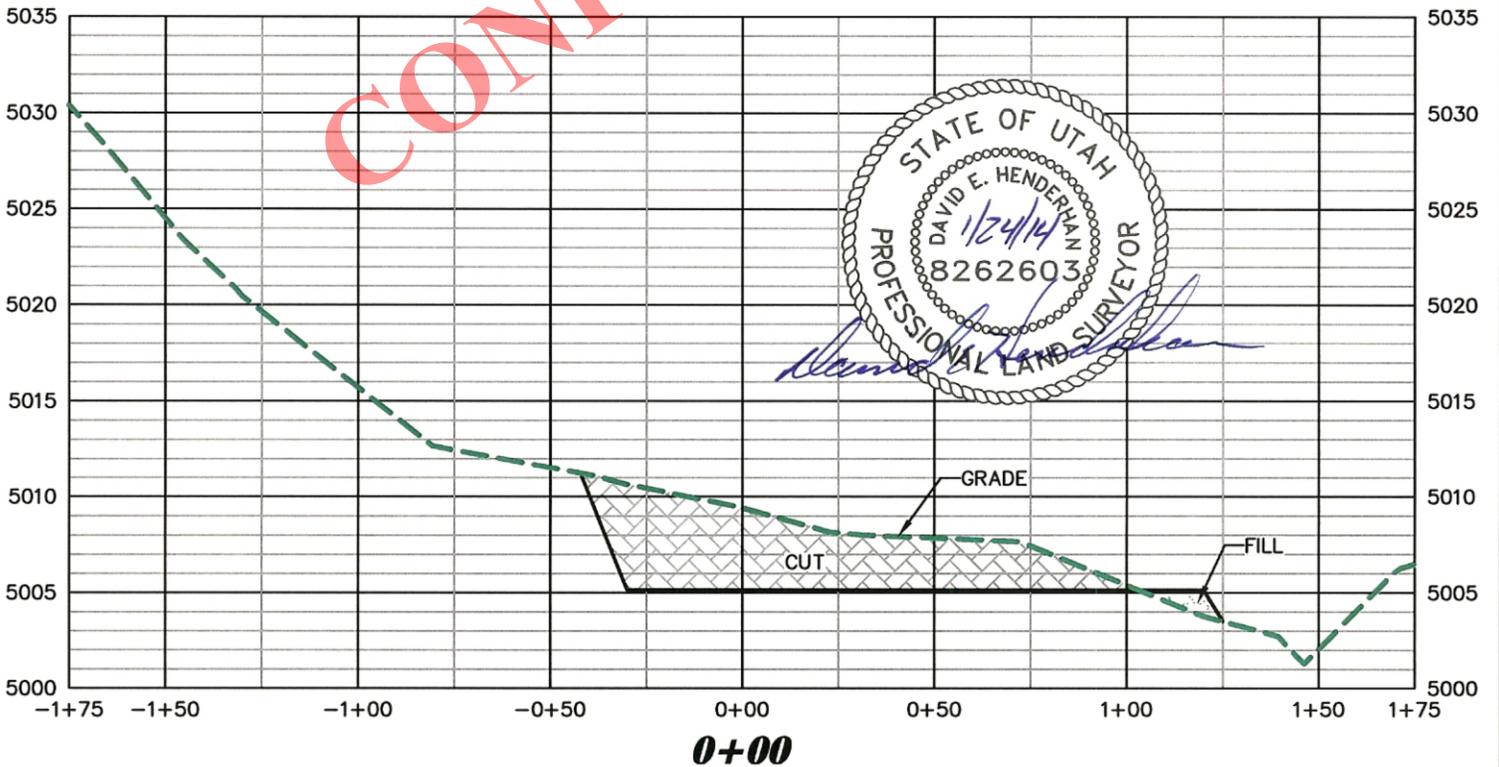
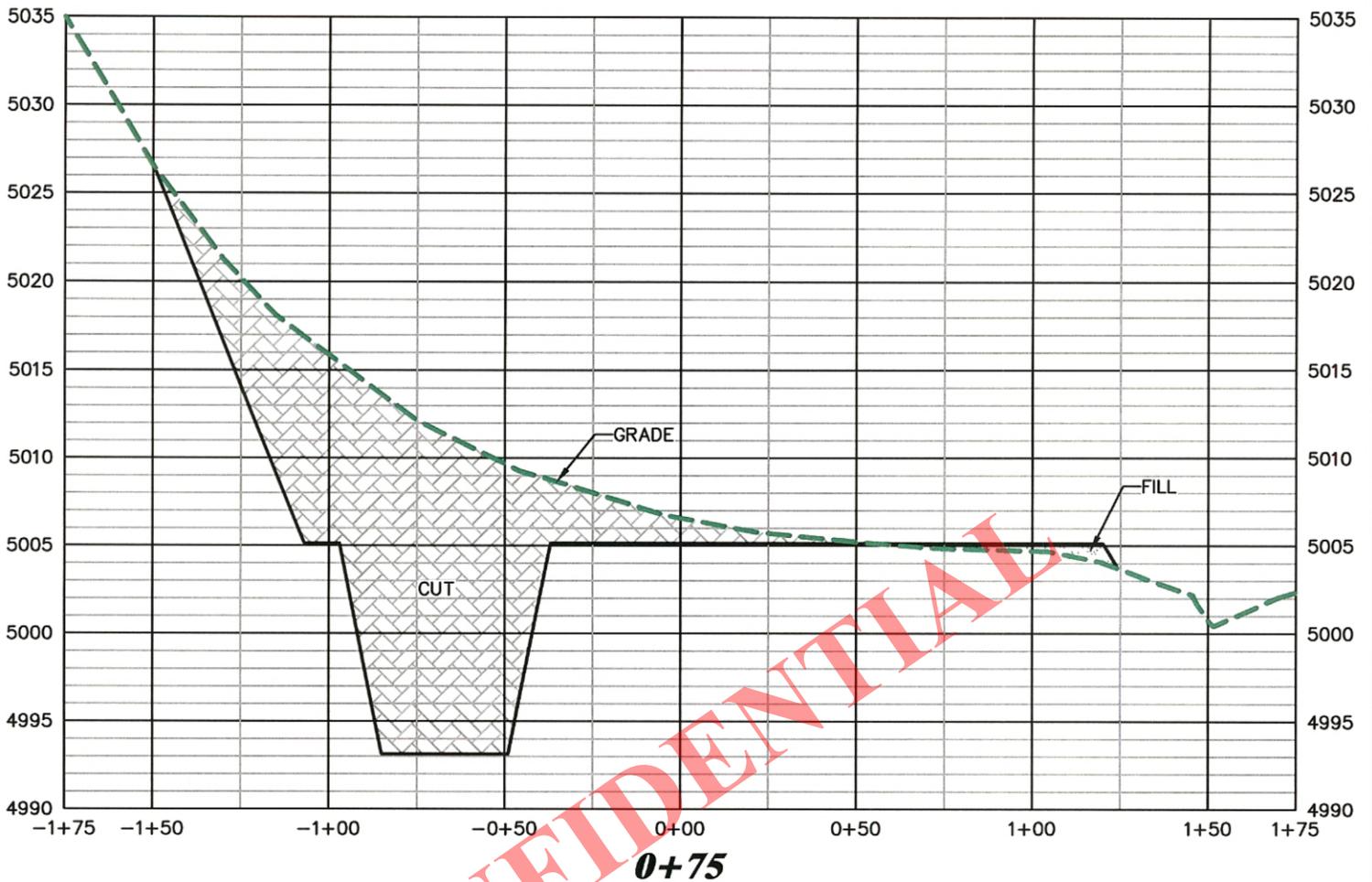
CRESCENT POINT ENERGY
RILEY 16-27-3-1E
SECTION 27, T. 3 S., R. 1 E.

DRAWN: 1/21/2014 - RAS **SCALE: HORZ 1" = 50' VERT 1" = 10'**

REVISED: N/A - . **DRG JOB No. 18520**

FIGURE 2 - 1 OF 2

UNGRADED ELEVATION: 5005.6'
FINISHED ELEVATION: 5005.1'

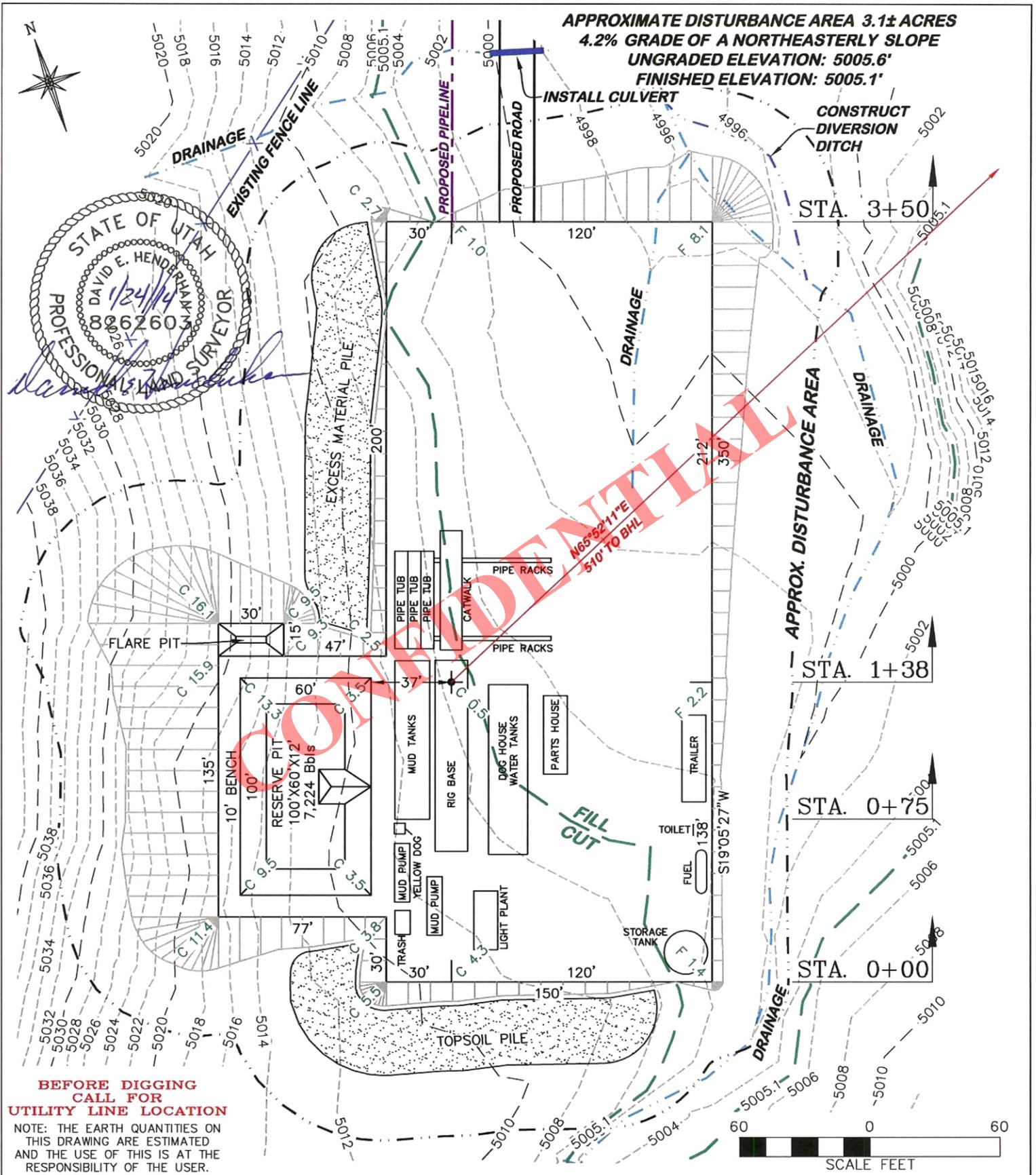


DRG RIFFIN & ASSOCIATES, INC.
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 1/21/2014 - RAS	SCALE: HORZ 1" = 50' VERT 1" = 10'
REVISED: N/A - .	DRG JOB No. 18520
	FIGURE 2 - 2 OF 2

CRESCENT POINT ENERGY
RILEY 16-27-3-1E
SECTION 27, T.3 S., R. 1 E.

UNGRADED ELEVATION: 5005.6'
 FINISHED ELEVATION: 5005.1'



<p>DRG RIFFIN & ASSOCIATES, INC. (307) 382-5028 1414 ELK ST., ROCK SPRINGS, WY 82901</p>		<p>CRESCENT POINT ENERGY RILEY 16-27-3-1E SECTION 27, T.3 S., R.1 E.</p>				
		<p>ESTIMATED EARTHWORK</p>				
<p>DRAWN: 1/21/2014 - RAS</p>	<p>SCALE: 1" = 60'</p>	<p>ITEM</p>	<p>CUT</p>	<p>FILL</p>	<p>TOPSOIL</p>	<p>EXCESS</p>
<p>REVISED: N/A -</p>	<p>DRG JOB No. 18520</p>	<p>PAD</p>	<p>6,072 CY</p>	<p>4,301 CY</p>	<p>1,152 CY</p>	<p>619 CY</p>
<p>FIGURE 3</p>		<p>PIT</p>	<p>1,941 CY</p>			<p>1,941 CY</p>
		<p>TOTALS</p>	<p>8,013 CY</p>	<p>4,301 CY</p>	<p>1,152 CY</p>	<p>2,560 CY</p>

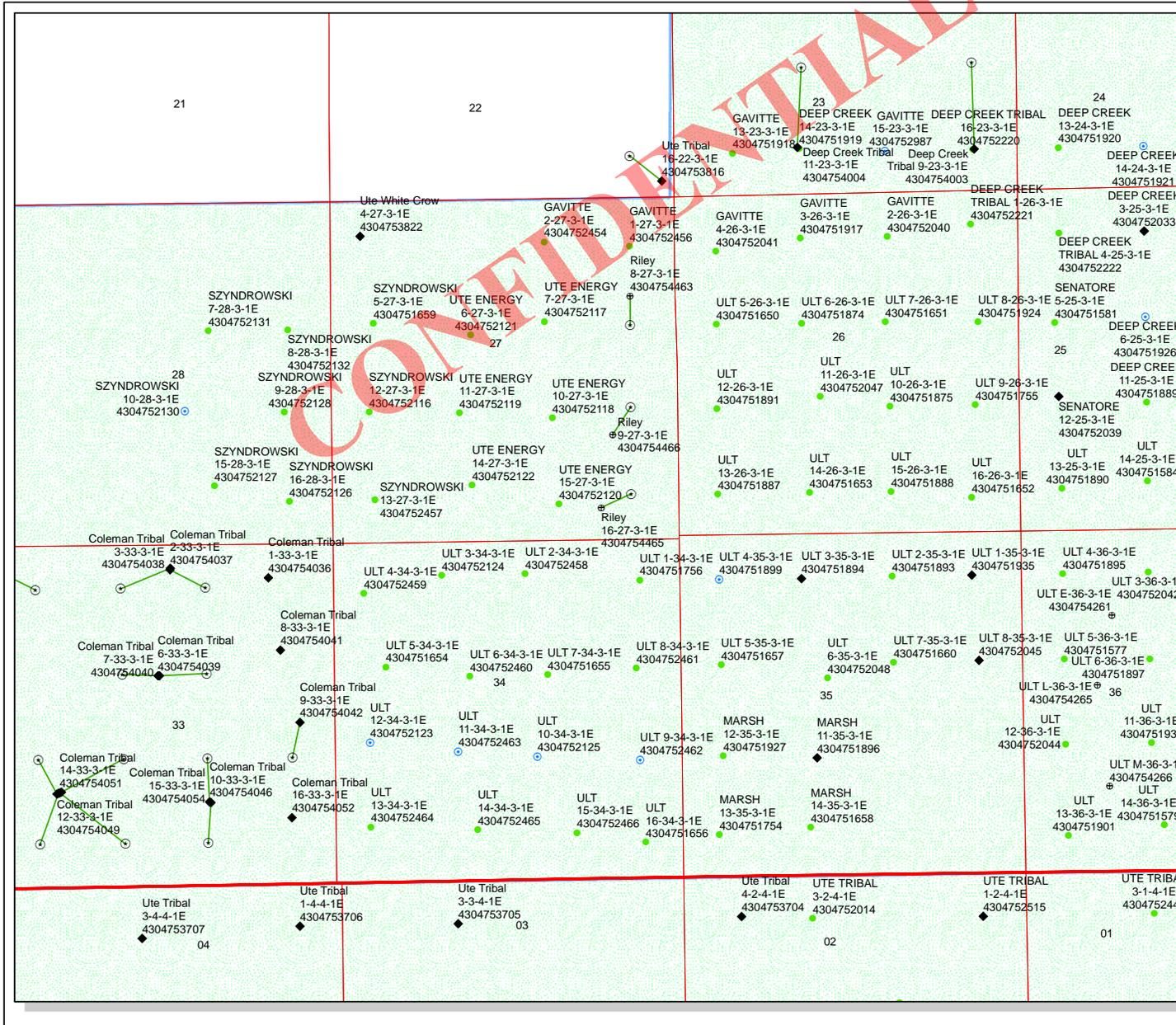
API Number: 4304754465

Well Name: Riley 16-27-3-1E

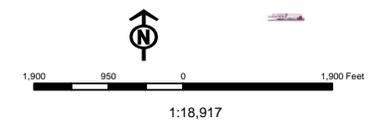
Township: T03.0S Range: R01.0E Section: 27 Meridian: U

Operator: CRESCENT POINT ENERGY U.S. CORP

Map Prepared: 6/6/2014
Map Produced by Diana Mason



Wells Query		Units	
Status		STATUS	
APD - Approved Permit	◆	ACTIVE	▨
DRL - Spudded (Drilling Commenced)	○	EXPLORATORY	▨
GIW - 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	▨
SGW - Shut-in Oil Well	⊚	TERMINATED	▨
TA - Temp. Abandoned	⊘		
TW - Test Well	⊙	Fields	
WOW - Water Disposal	⊙	STATUS	
WW - Water Injection Well	⊙	Unknown	▨
WSW - Water Supply Well	⊙	ABANDONED	▨
		ACTIVE	▨
		COMBINED	▨
		INACTIVE	▨
		STORAGE	▨
		TERMINATED	▨



Well Name	CRESCENT POINT ENERGY U.S. CORP Riley 16-27-3-1E 4304754465			
String	COND	SURF	PROD	
Casing Size(")	16.000	9.625	5.500	
Setting Depth (TVD)	40	1500	8665	
Previous Shoe Setting Depth (TVD)	0	40	1500	
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)	4506		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

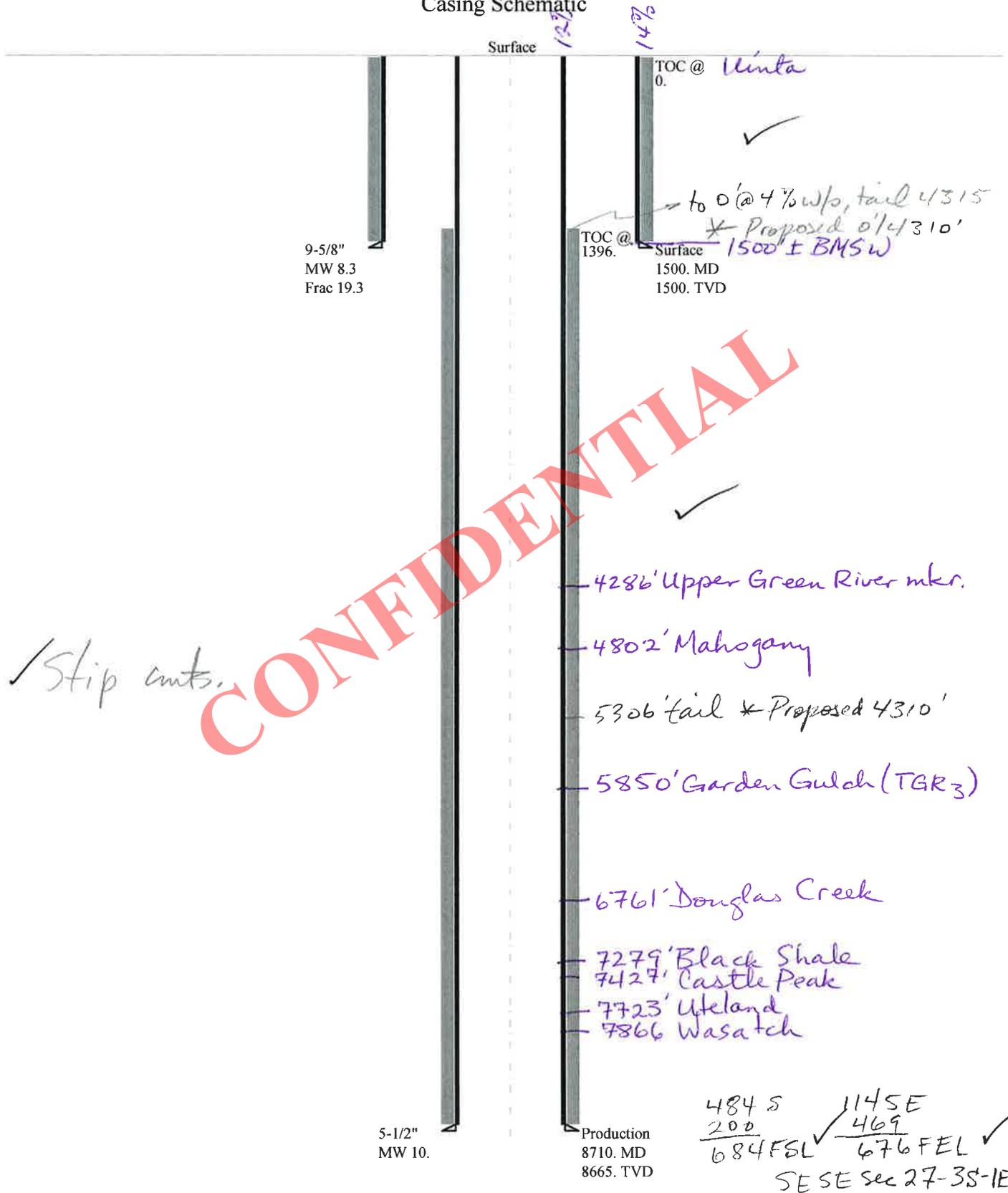
Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	647	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	467	YES air/mist drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	317	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	326	NO OK
Required Casing/BOPE Test Pressure=		1500	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=	4506	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3466	NO 3M BOP, annular preventer, dbl rams, kill & choke
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2600	YES lines
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2930	NO OK
Required Casing/BOPE Test Pressure=		3000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1500	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

43047544650000 Riley 16-27-3-1E

Casing Schematic



Well name:	43047544650000 Riley 16-27-3-1E	
Operator:	CRESCENT POINT ENERGY U.S. CORP	
String type:	Surface	Project ID: 43-047-54465
Location:	UINTAH COUNTY	

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 95 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 1,447 psi
Internal gradient: 0.036 psi/ft
Calculated BHP: 1,500 psi
Gas gravity: 0.60
Annular backup: 1.50 ppg

Tension:

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

Non-directional string.

Re subsequent strings:

Next setting depth: 8,665 ft
Next mud weight: 10.000 ppg
Next setting BHP: 4,501 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,500 ft
Injection pressure: 1,500 psi

Tension is based on buoyed weight.
Neutral point: 1,316 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1500	9.625	36.00	J-55	ST&C	1500	1500	8.796	13038
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	647	2020	3.123	1447	3520	2.43	47.4	394	8.32 J

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

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

Date: August 13, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 1500 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43047544650000 Riley 16-27-3-1E	
Operator:	CRESCENT POINT ENERGY U.S. CORP	
String type:	Production	Project ID: 43-047-54465
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

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 195 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 1,509 ft

Burst

Max anticipated surface pressure: 2,595 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 4,501 psi

No backup mud specified.

Tension:

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

Directional Info - Build & Hold

Kick-off point 2500 ft
Departure at shoe: 510 ft
Maximum dogleg: 1.5 °/100ft
Inclination at shoe: 0 °

Tension is based on buoyed weight.

Neutral point: 7,396 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	8710	5.5	17.00	E-80	LT&C	8665	8710	4.767	287430
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	4501	6290	1.397	4501	7740	1.72	125	320	2.56 J

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

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

Date: August 6, 2014
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8665 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 Riley 16-27-3-1E
API Number 43047544650000 **APD No** 9777 **Field/Unit** RANDLETT
Location: 1/4,1/4 SESE **Sec** 27 **Tw** 3.0S **Rng** 1.0E 484 FSL 1145 FEL
GPS Coord (UTM) **Surface Owner** Susan Riley

Participants

Jim Burns - Starpoint; Brian Foote, Mahe Taufa, Mark Hecksel - Crescent Point; Timberline land survey

Regional/Local Setting & Topography

This location is on flat sandy desert lands just below and north of the Leland Bench and South of the Duchesne River Floodplain. A large mapped drainage exists east of and adjacent the location with riparian attributes. The region is generally flat with the occasional hill or erosional finger from the bench. Vegetation is rather sparse and most of the surrounding lands are unused and fallow except for short periods of spring grazing of sheep. The area has seen extensive recent development for the petroleum extraction industry

Surface Use Plan

Current Surface Use

Wildlife Habitat
Grazing

New Road Miles

0

Well Pad

Width 200 **Length** 400

Src Const Material

Onsite

Surface Formation

UNTA

Ancillary Facilities

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

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

Dominant vegetation;

Galletta, and sage

Wildlife;

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

Soil Type and Characteristics

light colored sands

Erosion Issues Y

drainages across and adjacent pad

Sedimentation Issues Y

Site Stability Issues N

Drainage Diversion Required? Y

Drainage to be diverted at road. Taken south and returned to the natural drainage

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

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)		20
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		50 1 Sensitivity Level

Characteristics / Requirements

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

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

Other Observations / Comments

Chris Jensen
Evaluator

6/11/2014
Date / Time

Application for Permit to Drill Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
9777	43047544650000	LOCKED	OW	P	No
Operator	CRESCENT POINT ENERGY U.S. CORP		Surface Owner-APD	Susan Riley	
Well Name	Riley 16-27-3-1E		Unit		
Field	RANDLETT		Type of Work	DRILL	
Location	SESE 27 3S 1E U 484 FSL 1145 FEL GPS Coord (UTM) 596726E 4449149N				

Geologic Statement of Basis

Crescent Point proposes to set 1,000' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 1,500'. A search of Division of Water Rights records shows 3 water wells within a 10,000 foot radius of the center of Section 27. Depth is listed for only 2 wells at 49 and 300 feet. Listed uses are domestic, irrigation and stock watering. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Surface casing should be extended to the base of the moderately saline ground water.

Brad Hill
APD Evaluator

7/2/2014
Date / Time

Surface Statement of Basis

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

The soil type and topography at present do combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions.

Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted. Plans include measures for diverting drainages found across and adjacent pad although onsite investigations determined that a diversion is better served all the way from and along the road.

I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. A riparian area can be found adjacent the site to the South. The location was not previously surveyed for cultural and paleontological resources (as the operator saw fit). I have advised the operator take all measures necessary to comply with ESA and MBTA and that actions insure no disturbance to species that may have not been seen during onsite visit.

The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues. A diversion is to be built sufficient to conduct overland or channel flow from a natural channel east of the pad between corners 7 and 8, around the corner North and past marker 1 to reintroduce flows back into the natural channel offsite. Corner 8 to be rounded and diversion to begin at road. Culvert to be placed under access

road.

Chris Jensen
Onsite Evaluator

6/11/2014
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
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	Drainages adjacent to the proposed pad shall be diverted around the location and returned to natural drainage found east. Corner 8 to be rounded
Surface	The reserve pit shall be fenced upon completion of drilling operations.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/29/2014

API NO. ASSIGNED: 43047544650000

WELL NAME: Riley 16-27-3-1E

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

PHONE NUMBER: 303 382-6787

CONTACT: Lauren MacMillan

PROPOSED LOCATION: SESE 27 030S 010E

Permit Tech Review:

SURFACE: 0484 FSL 1145 FEL

Engineering Review:

BOTTOM: 0684 FSL 0676 FEL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.18716

LONGITUDE: -109.86375

UTM SURF EASTINGS: 596726.00

NORTHINGS: 4449149.00

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



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: Riley 16-27-3-1E
API Well Number: 43047544650000
Lease Number: fee
Surface Owner: FEE (PRIVATE)
Approval Date: 9/2/2014

Issued to:

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

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. 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 4310' as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

Additional Approvals:

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

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

Notification Requirements:

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

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

Contact Information:

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

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

Reporting Requirements:

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

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

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

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS 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:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		8. WELL NAME and NUMBER: Riley 16-27-3-1E
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 , Denver, CO, 80202		9. API NUMBER: 43047544650000
PHONE NUMBER: 720 880-3621 Ext		9. FIELD and POOL or WILDCAT: RANDLETT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0484 FSL 1145 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 27 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 checked="" type="checkbox"/> SPUD REPORT Date of Spud: 3/23/2015	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Crescent Point Energy US Corp spud the Riley 16-27-3-1E with PETE
MARTIN DRILLING RIG #17 on 3/23/2015 at 09:30am.

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

NAME (PLEASE PRINT) Kristen Johnson	PHONE NUMBER 303 308-6270	TITLE Regulatory Technician
SIGNATURE N/A	DATE 3/23/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: fee
SUNDRY NOTICES AND REPORTS ON WELLS 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:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		8. WELL NAME and NUMBER: Riley 16-27-3-1E
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 , Denver, CO, 80202		9. API NUMBER: 43047544650000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0484 FSL 1145 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 27 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 checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/24/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input 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
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Crescent Point Energy respectfully requests to change from 9-5/8" J55 36 ppf surface casing to 8-5/8" J55 24 ppf surface casing. The well was originally planned for 9-5/8" when it was deemed necessary for directional tool purposes, however since the wells were first permitted the smaller casing size no longer poses any issues for drilling directionally. Please see attached the updated casing design and cement design programs. The 8-5/8" surface casing string passes all load scenarios

Approved by the
March 24, 2015
Oil, Gas and Mining

Date: _____

By:

NAME (PLEASE PRINT) Kristen Johnson	PHONE NUMBER 303 308-6270	TITLE Regulatory Technician
SIGNATURE N/A	DATE 3/23/2015	

Proposed Casing & Cementing Program*Casing Design:*

Size	Interval		Weight	Grade	Coupling	Design Factors			
	Top	Bottom				Burst	Collapse	Tension	
Conductor 16" Hole Size 24"	0'	40'	65	H-40	STC	1,640	670	439	API
Surface casing 8-5/8" Hole Size 12-1/4"	0'	1,500'	24	J-55	STC	2,950 607 4.85	1,370 862 1.59	244,000 36,000 6.78	API Load SF
Prod casing 5-1/2" Hole Size 7- 7/8"	0'	8,710'	17	L-80	LTC	7,740 6,190 1.25	6,290 4,475 1.41	348,000 148,000 2.28	API Load SF

Cementing Design:

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft ³ /sk)
Surface casing Lead	1000' – surface	Class V 2% chlorides	75%	290	12.0	2.50
Surface casing Tail	1500' – 1000'	Class V 2% chlorides	75%	315	15.8	1.15
Prod casing Lead	4200' to Surface	Hifill Class V 3% chlorides	25% in open-hole, 0% in cased hole	255	11.0	3.46
Prod casing Tail	TD to 4200'	Class G 10% chlorides	15%	510	13.1	1.76

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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		STATE: UTAH

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<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: 4/21/2015	<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
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	<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 Riley 16-27-3-1E encompassing all drilling operations to date.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 22, 2015**

NAME (PLEASE PRINT) Valari Cray	PHONE NUMBER 303 880-3637	TITLE Drilling And Completion Tech
SIGNATURE N/A	DATE 4/21/2015	



Daily Drilling Report

Report for: 3/23/2015
 Report #: 1.0, DFS: -19.63
 Depth Progress:

Well Name: RILEY 16-27-3-1E

UWI/API 43-047-54465		Surface Legal Location			License #				
Spud Date 3/23/2015 09:00		Date TD Reached (wellbore) 4/17/2015 12:00		Rig Release Date 4/20/2015 15:00		Ground Elevation (ft) 5,005.00		Orig KB Elev (ft) 5,017.00	
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 #11, spud well @ 9:00 AM 3/23/2015 drill 52' KB 24" conductor hole,run & cement 52' KB 16" conductor pipe, Cmt.to Surf.with ReadyMix									

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

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

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

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

AFE Number 1709414US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
Target Formation WASATCH	Target Depth (ftKB) 8,690.0
Last Casing String Conductor, 52.0ftKB	
Daily Contacts	
Job Contact	Mobile

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

1, Gardner-Denver, PZ-9		
Pump # 1	Pwr (hp) 1,000.0	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s... Eff (%)

2, Gardner-Denver, PZ-9		
Pump # 2	Pwr (hp) 1,000.0	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s... Eff (%)

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

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



Daily Drilling Report

Report for: 3/26/2015
 Report #: 2.0, DFS: -16.63
 Depth Progress:

Well Name: RILEY 16-27-3-1E

UWI/API 43-047-54465		Surface Legal Location			License #							
Spud Date 3/23/2015 09:00		Date TD Reached (wellbore) 4/17/2015 12:00		Rig Release Date 4/20/2015 15:00		Ground Elevation (ft) 5,005.00		Orig KB Elev (ft) 5,017.00				
Completion Type												
Weather			Temperature (°F)		Road Condition			Hole Condition				
Operation At 6am W.O.Drig.Rig					Operation Next 24hrs							
24 Hr Summary MIRU Pro Petro Rig #10, Drill 1572' KB 12 1/4" Surface hole, R/U & run 1542' KB 8 5/8" 24# surface CSG, Cement W/320 sk 12.0 2.86 cuft/sk lead 325 sks 15.8 ppg 1.15 cuft/sk tail 40 bbls good cement T/Surf, cement stayed @ Surf.												
Time Log												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
Mud Checks												
<depth>ftKB, <dtm>												
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)						
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)								
Drill Strings												
BHA #<stringno>, <des>												
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...							
Nozzles (1/32")			String Length (ft)	Max Nominal OD (in)								
String Components												
Comment												
Drilling Parameters												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq

AFE Number 1709414US		
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	
Target Formation WASATCH	Target Depth (ftKB) 8,690.0	
Last Casing String Surface, 1,542.0ftKB		
Daily Contacts		
Job Contact	Mobile	
Rigs		
Capstar Drilling, 329		
Contractor Capstar Drilling	Rig Number 329	
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247	
1, Gardner-Denver, PZ-9		
Pump # 1	Pwr (hp) 1,000.0	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s... Eff (%)
2, Gardner-Denver, PZ-9		
Pump # 2	Pwr (hp) 1,000.0	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: 4/11/2015
 Report #: 3.0, DFS: -0.63
 Depth Progress:

Well Name: RILEY 16-27-3-1E

UWI/API 43-047-54465		Surface Legal Location			License #							
Spud Date 3/23/2015 09:00		Date TD Reached (wellbore) 4/17/2015 12:00		Rig Release Date 4/20/2015 15:00		Ground Elevation (ft) 5,005.00		Orig KB Elev (ft) 5,017.00				
Completion Type												
Weather SUNNY		Temperature (°F) 67.0			Road Condition GOOD		Hole Condition					
Operation At 6am RIGGING DOWN				Operation Next 24hrs RIG DOWN, MOVE RIG .3 OF A MILE AND SET IN, RIG UP, NIPPLE UP, TEST BOP, TRIP IN AND DRILL OUT, DRLG/SLIDE 77/8 PROD HOLE								
24 Hr Summary RIG DOWN												
Time Log												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
23:30	11:00	11.50	11.50	1	RIGUP & TEARDOWN	RIG DOWN						
Mud Checks												
<depth>ftKB, <dtm>												
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)						
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)								
Drill Strings												
BHA #<stringno>, <des>												
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...							
Nozzles (1/32")			String Length (ft)	Max Nominal OD (in)								
String Components												
Comment												
Drilling Parameters												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq

AFE Number 1709414US			
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0		
Target Formation WASATCH	Target Depth (ftKB) 8,690.0		
Last Casing String Surface, 1,542.0ftKB			
Daily Contacts			
Job Contact	Mobile		
Rigs			
Capstar Drilling, 329			
Contractor Capstar Drilling	Rig Number 329		
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247		
1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp) 1,000.0	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)
2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp) 1,000.0	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: 4/12/2015
 Report #: 4.0, DFS: 0.38
 Depth Progress: 1,078.00

Well Name: RILEY 16-27-3-1E

UWI/API 43-047-54465		Surface Legal Location		License #	
Spud Date 3/23/2015 09:00		Date TD Reached (wellbore) 4/17/2015 12:00		Rig Release Date 4/20/2015 15:00	
		Ground Elevation (ft) 5,005.00		Orig KB Elev (ft) 5,017.00	
Completion Type					
Weather SUNNY		Temperature (°F) 70.0		Road Condition GOOD	
				Hole Condition Good	
Operation At 6am DRLG/SLIDE 77/8 PROD HOLE @ 2620			Operation Next 24hrs DRLG/SLIDE 77/8 PROD HOLE WITH MWD		

AFE Number 1709414US	
Start Depth (ftKB) 1,542.0	End Depth (ftKB) 2,620.0
Target Formation WASATCH	Target Depth (ftKB) 8,690.0
Last Casing String Surface, 1,542.0ftKB	

24 Hr Summary
 MOVE AND SET IN RIG, NIPPLE UP BOP, CHOKE LINE, KILL LINE, CHOKE AND ROTATING HEAD, TEST BOP, KILL LINE, CHOKE LINE, MANIFOLD, HCR, UPPER AND LOWER KELLY VALVE, BLIND RAMS, PIPE RAMS TESTED @ 3000 PSI, SURFACE CASING AND ANNULAR @ 1500 PSI, PICK UP TOOLS (BIT, MUD MOTOR, UBHO, NMDC, NMDC) TRIP IN, SHALLOW TEST MWD, SLIP AND CUT 75', DRILL OUT CMT, FLOAT AND SHOE, DRLG/SLIDE 77/8 PROD HOLE F/1542' T/2620' (1078' FPH 119.7)

Daily Contacts	
Job Contact	Mobile
SCOTT SEELY	435-828-1101
Shane Loftus	307-258-4659

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	09:30	3.50	3.50	1	RIGUP & TEARDOWN	MOVE AND SET IN RIG
09:30	13:30	4.00	7.50	14	NIPPLE UP B.O.P	NIPPLE UP BOP, CHOKE LINE, KILL LINE, CHOKE AND ROTATING HEAD
13:30	16:00	2.50	10.00	15	TEST B.O.P	TEST BOP, KILL LINE, CHOKE LINE, MANIFOLD, HCR, UPPER AND LOWER KELLY VALVE, BLIND RAMS, PIPE RAMS TESTED @ 3000 PSI, SURFACE CASING AND ANNULAR @ 1500 PSI
16:00	16:30	0.50	10.50	20	DIRECTIONAL WORK	PICK UP TOOLS (BIT, MUD MOTOR, UBHO, NMDC, NMDC)
16:30	18:00	1.50	12.00	6	TRIPS	TRIP IN
18:00	19:00	1.00	13.00	20	DIRECTIONAL WORK	SHALLOW TEST MWD
19:00	20:00	1.00	14.00	9	CUT OFF DRILL LINE	SLIP AND CUT 75'
20:00	20:30	0.50	14.50	6	TRIPS	TRIP IN AND TAG @ 1450'
20:30	21:00	0.50	15.00	22	OPEN	DRILL OUT CMT, FLOAT AND SHOE
21:00	06:00	9.00	24.00	2	DRILL ACTUAL	DRLG/SLIDE 77/8 PROD HOLE F/1542' T/2620' (1078' FPH 119.7)

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

1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp) 1,000.0	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp) 1,000.0	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

Mud Checks						
1,542.0ftKB, 4/12/2015 13:00						
Type Water Base	Time 13:00	Depth (ftKB) 1,542.0	Density (lb/gal) 8.45	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 (%)	Solids (%)
MBT (lb/bbl)	Alkalinity (mL/mL) 0.2	Chlorides (mg/L) 20,000	Calcium (mg/L) 600,000	Pf (mL/mL)	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl) 0.0	Mud Lost to Hole (bbl) 0.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl) 4500.0	Active Mud Volume (bbl) 318.0		

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

Drill Strings						
BHA #1, Steerable						
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...	
	7 7/8in, MDZI616, JJ5116	1.00	3-3-WT-A-X-0-BT-TD	1.18	66.2	
Nozzles (1/32")	String Length (ft)		Max Nominal OD (in)			
16/16/16/16/16	553.58		6.500			
String Components						
SMITH MDZI616, Hunting 6.5 1.5 bent 7/8 3.3 rev .16, UBHO, NMDC, NMDC, 6 1/2 DCS, HWDP						
Comment						
SMITH MDZI616, HUNTING 6.5 BEND 1.5 7/8 3.3 .16, UBHO, NMDC, NMDC, 5 DC, 10 HWDP						

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	1,542.0	2,620.0	1,078.0	9.00	119.8	417	25	50	959.0	70	80	9,508.0



Daily Drilling Report

Report for: 4/13/2015
 Report #: 5.0, DFS: 1.38
 Depth Progress: 1,860.00

Well Name: RILEY 16-27-3-1E

UWI/API 43-047-54465		Surface Legal Location		License #	
Spud Date 3/23/2015 09:00		Date TD Reached (wellbore) 4/17/2015 12:00		Rig Release Date 4/20/2015 15:00	
		Ground Elevation (ft) 5,005.00		Orig KB Elev (ft) 5,017.00	
Completion Type					

Weather SUNNY		Temperature (°F) 75.0		Road Condition GOOD		Hole Condition Good	
Operation At 6am DRLG/SLIDE 77/8 PROD HOLE @ 4480'				Operation Next 24hrs DRLG/SLIDE 77/8 PROD HOLE WITH MWD			

24 Hr Summary
 DRLG/SLIDE 77/8 PROD HOLE F/2620' T/4480' (1860' FPH 77.5) SURVEY @ 4282' INC 10.10 AZM 6370 N/S132.87 E/W 286.99, B/G GAS 65U, CONNECTION 168U AND PEAK @ 3830' 336U, 40% SH, 30% CLYST AND 30% DOLST, NO LOSSES

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	06:00	24.00	24.00	2	DRILL ACTUAL	DRLG/SLIDE 77/8 PROD HOLE F/2620' T/4480' (1860' FPH 77.5)

Mud Checks						
2,980.0ftKB, 4/13/2015 09:30						
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
Water Base	09:30	2,980.0	8.45	27	1.0	1.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
1.000	1.000			8.5	0.0	1.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
	0.2	8,000.000	20.000		0.100	
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		
0.0	0.0	0.0	4500.0	318.0		

Drill Strings					
BHA #1, Steerable					
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
7	7/8in, MDZI616, JJ5116	1.00	3-3-WT-A-X-0-BT-TD	1.18	66.2
Nozzles (1/32") 16/16/16/16/16/16		String Length (ft) 553.58		Max Nominal OD (in) 6.500	

String Components
 SMITH MDZI616, Hunting 6.5 1.5 bent 7/8 3.3 rev .16, UBHO, NMDC, NMDC, 6 1/2 DCS, HWDP
 Comment
 SMITH MDZI616, HUNTING 6.5 BEND 1.5 7/8 3.3 .16, UBHO, NMDC, NMDC, 5 DC, 10 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	2,620.0	4,480.0	2,938.0	33.00	77.5	371	17	50	1,097.0	100	105	8,104.0

AFE Number 1709414US	
Start Depth (ftKB) 2,620.0	End Depth (ftKB) 4,480.0
Target Formation WASATCH	Target Depth (ftKB) 8,690.0
Last Casing String Surface, 1,542.0ftKB	

Daily Contacts	
Job Contact	Mobile
SCOTT SEELY	435-828-1101
Shane Loftus	307-258-4659

Rigs			
Capstar Drilling, 329			
Contractor	Rig Number		
Capstar Drilling	329		
Rig Supervisor	Phone Mobile		
JEREMY DEAKIN	307-315-3247		
1, Gardner-Denver, PZ-9			
Pump #	Pwr (hp)	Rod Dia (in)	
1	1,000.0		
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

2, Gardner-Denver, PZ-9			
Pump #	Pwr (hp)	Rod Dia (in)	
2	1,000.0		
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	7.50	400.0
Brine Plant Half Rental	384.00	1.0
DAP	35.00	18.0
Engineering	450.00	1.0
Liqui Drill	135.00	4.0
Rental	50.00	1.0
Rental	50.00	1.0
Sea Mud	15.50	60.0
Tax	1.00	132.5

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



Daily Drilling Report

Report for: 4/14/2015
Report #: 6.0, DFS: 2.38
Depth Progress: 968.00

Well Name: RILEY 16-27-3-1E

UWI/API 43-047-54465		Surface Legal Location			License #							
Spud Date 3/23/2015 09:00		Date TD Reached (wellbore) 4/17/2015 12:00		Rig Release Date 4/20/2015 15:00		Ground Elevation (ft) 5,005.00		Orig KB Elev (ft) 5,017.00				
Completion Type												
Weather WINDY		Temperature (°F) 75.0			Road Condition GOOD		Hole Condition Good					
Operation At 6am DRLG/SLIDE 77/8 PROD HOLE @ 5548'					Operation Next 24hrs DRLG/SLIDE 77/8 PROD HOLE WITH MWD							
24 Hr Summary DRLG/SLIDE 77/8 PROD HOLE F/4480' T/5548' (968' FPH 40.3) MUD LOSS 400 BBLs, SURVEY @ 5410' INC 6.20 AZM 74.00 N/S 198.60 E/W 441.33, B/G GAS 179U, CONNECTION 697U AND PEAK @ 4734', 30% SH, 25% DOLST, 40% MRLST AND 5% CLYST												
Time Log												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
06:00	06:00	24.00	24.00	2	DRILL ACTUAL	DRLG/SLIDE 77/8 PROD HOLE F/4480' T/5548' (968' FPH 40.3)						
Mud Checks												
4,812.0ftKB, 4/14/2015 13:30												
Type DAP	Time 13:30	Depth (ftKB) 4,812.0	Density (lb/gal) 9.25	Funnel Viscosity (s/qt) 29	PV Override (cP) 2.0	YP OR (lb/100ft²) 2.000						
Gel 10 sec (lb/100ft²) 3.000	Gel 10 min (lb/100ft²) 4.000	Filtrate (mL/30min) 0.1	Filter Cake (1/32") 0	pH 8.5	Sand (%) 0.3	Solids (%) 5.0						
MBT (lb/bbl)	Alkalinity (mL/mL) 0.2	Chlorides (mg/L) 78,000.000	Calcium (mg/L) 20,000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl) 0.0	Mud Lost to Hole (bbl) 200.0	Mud Lost to Surface (bbl) 3.0	Reserve Mud Volume (bbl) 3400.0	Active Mud Volume (bbl) 599.0								
Drill Strings												
BHA #1, Steerable												
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...							
	7 7/8in, MDZI616, JJ5116	1.00	3-3-WT-A-X-0-BT-TD	1.18	66.2							
Nozzles (1/32") 16/16/16/16/16/16			String Length (ft) 553.58	Max Nominal OD (in) 6.500								
String Components SMITH MDZI616, HUNTING 6.5 1.5 bent 7/8 3.3 rev .16, UBHO, NMDC, NMDC, 6 1/2 DCS, HWDP												
Comment SMITH MDZI616, HUNTING 6.5 BEND 1.5 7/8 3.3 .16, UBHO, NMDC, NMDC, 5 DC, 10 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	4,480.0	5,448.0	3,906.0 0	57.00	40.3	371	20	50	1,097.0	117	130	8,104. 0

AFE Number 1709414US			
Start Depth (ftKB) 4,480.0	End Depth (ftKB) 5,448.0		
Target Formation WASATCH	Target Depth (ftKB) 8,690.0		
Last Casing String Surface, 1,542.0ftKB			
Daily Contacts			
Job Contact	Mobile		
SCOTT SEELY	435-828-1101		
Shane Loftus	307-258-4659		
Rigs			
Capstar Drilling, 329			
Contractor Capstar Drilling	Rig Number 329		
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247		
1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp) 1,000.0	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)
2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp) 1,000.0	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	
Aqua-sorb	195.00	1.0	
Brine Plant Half Rental	384.00	1.0	
DAP	35.00	62.0	
Engineering	450.00	1.0	
Hole Seal	21.00	66.0	
Pallet	20.00	3.0	
Rental	50.00	1.0	
Sawdust	4.50	225.0	
Sea Mud	15.50	240.0	
Shrink Wrap	20.00	3.0	
Tax	1.00	531.4	
Safety Checks			
Time	Type	Des	
Wellbores			
Wellbore Name	KO MD (ftKB)		
Original Hole			



Daily Drilling Report

Report for: 4/15/2015
Report #: 7.0, DFS: 3.38
Depth Progress: 1,552.00

Well Name: RILEY 16-27-3-1E

UWI/API 43-047-54465	Surface Legal Location	License #
Spud Date 3/23/2015 09:00	Date TD Reached (wellbore) 4/17/2015 12:00	Rig Release Date 4/20/2015 15:00
	Ground Elevation (ft) 5,005.00	Orig KB Elev (ft) 5,017.00

Completion Type

Weather Cold	Temperature (°F) 55.0	Road Condition GOOD	Hole Condition Good
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Operation At 6am Drig/Slide 7 7/8 Prod Hole 7000' 400 bbls Mud Losses	Operation Next 24hrs Drig/Slide 7 7/8 Prod Hole
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24 Hr Summary
Drig Slide 7 7/8 Prod Hole F/ 5448' T/ 7000' 1552' @ 66.04 ft per hr (WOB 16-25 GPM 370 RPM 45-60) Rig Service Formation Douglass Creek, Tops Mahogany Bench 4797' MD, TGR3 5887' MD, BBG 63-119, Conn 132, Peak 1252 @ 5620'

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	16:00	10.00	10.00	2	DRILL ACTUAL	Drig/Slide 7 7/8 Prod Hole F/ 5448' T/ 6027' 579' @ 57.9 ft per hr
16:00	16:30	0.50	10.50	7	LUBRICATE RIG	Rig Service
16:30	06:00	13.50	24.00	2	DRILL ACTUAL	Drig/Slide 7 7/8 Prod Hole F/ 6027' T/ 7000' 973' @ 72.07 ft per hr

Mud Checks

5,642.0ftKB, 4/15/2015 07:00							
Type DAP	Time 07:00	Depth (ftKB) 5,642.0	Density (lb/gal) 9.50	Funnel Viscosity (s/qt) 29	PV Override (cP) 2.0	YP OR (lb/100ft²) 2,000	
Gel 10 sec (lb/100ft²) 3.000	Gel 10 min (lb/100ft²) 4.000	Filtrate (mL/30min) 0.1	Filter Cake (1/32") 0	pH 8.5	Sand (%) 0.3	Solids (%) 5.0	
MBT (lb/bbl)	Alkalinity (mL/mL) 0.2	Chlorides (mg/L) 76,000.000	Calcium (mg/L) 20.000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)	
Whole Mud Added (bbl) 0.0	Mud Lost to Hole (bbl) 400.0	Mud Lost to Surface (bbl) 3.0	Reserve Mud Volume (bbl) 3500.0	Active Mud Volume (bbl) 296.0			

Drill Strings

BHA #1, Steerable					
Bit Run 7 7/8in, MDZI616, JJ5116	Length (ft) 1.00	IADC Bit Dull 3-3-WT-A-X-0-BT-TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 66.2	
Nozzles (1/32") 16/16/16/16/16/16	String Length (ft) 553.58	Max Nominal OD (in) 6.500			

String Components
SMITH MDZI616, Hunting 6.5 1.5 bent 7/8 3.3 rev .16, UBHO, NMDC, NMDC, 6 1/2 DCS, HWDP

Comment
SMITH MDZI616, HUNTING 6.5 BEND 1.5 7/8 3.3 .16, UBHO, NMDC, NMDC, 5 DC, 10 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	5,448.0	7,000.0	5,458.0	80.50	66.0	370	24	50	1,400.0	106	150	11,000.0

AFE Number 1709414US	
Start Depth (ftKB) 5,448.0	End Depth (ftKB) 7,000.0

Target Formation WASATCH	Target Depth (ftKB) 8,690.0
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Last Casing String
Surface, 1,542.0ftKB

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

1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp) 1,000.0	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp) 1,000.0	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	7.50	230.0
Brine Plant Half Rental	384.00	1.0
DAP	35.00	37.0
Engineering	450.00	1.0
Hole Seal	21.00	19.0
Pallet	20.00	2.0
Rental	50.00	1.0
Sawdust	4.50	75.0
Shrink Wrap	20.00	2.0
Tax	1.00	130.77
Trucking	1.00	1,250.00

Safety Checks

Time	Type	Des

Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	



Daily Drilling Report

Report for: 4/16/2015
 Report #: 8.0, DFS: 4.38
 Depth Progress: 1,400.00

Well Name: RILEY 16-27-3-1E

UWI/API 43-047-54465		Surface Legal Location		License #	
Spud Date 3/23/2015 09:00		Date TD Reached (wellbore) 4/17/2015 12:00		Rig Release Date 4/20/2015 15:00	
		Ground Elevation (ft) 5,005.00		Orig KB Elev (ft) 5,017.00	
Completion Type					
Weather Cold		Temperature (°F) 55.0		Road Condition GOOD	
				Hole Condition Good	
Operation At 6am Drig/Slide 7 7/8 Prod Hole 8400' 250 bbls mud Loss			Operation Next 24hrs Drig/Slide 7 7/8 Prod Hole, Circ, Trip out for Logs, Logs		
24 Hr Summary Drig Slide 7 7/8 Prod Hole F/ 7000' T/ 8400' 1400' @ 65.11 ft per hr (WOB 24-28 GPM 370-420 RPM 45-60) Rig Service, Rig Repair swivel, Formation Wasatch, Tops Douglas Creek 6860' MD, Black Shale 7315' MD, Castle Peak 7463' MD, Uteland Butte 7759' MD, Wasatch 7890' MD, BBG 870-1280, Conn 1936, Peak 1880 @ 8192, Lithology CLYST 45% SH 30% SS 25%					

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	16:30	10.50	10.50	2	DRILL ACTUAL	Drig/Slide 7 7/8 Prod Hole F/ 7000' T/ 7813' 813' @ 77.42 ft per hr
16:30	17:00	0.50	11.00	7	LUBRICATE RIG	Rig Service
17:00	20:30	3.50	14.50	2	DRILL ACTUAL	Drig/Slide 7 7/8 Prod Hole F/ 7813' T/ 7986' 173' @49.42
20:30	22:30	2.00	16.50	8	REPAIR RIG	Rig Repair Swivel Motors
22:30	06:00	7.50	24.00	2	DRILL ACTUAL	Drig/Slide 7 7/8 Prod Hole F/ 7986' T/ 8400' 414' @ 55.2 ft per hr

Mud Checks						
7,385.0ftKB, 4/16/2015 11:00						
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
DAP	11:00	7,385.0	9.70	29	3.0	4.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
5.000	8.000	0.1	0	8.5	0.3	9.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
	0.2	75,000.000	20.000	0.1	0.100	
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		
0.0	250.0	3.0	3400.0	799.0		

Drill Strings					
BHA #1, Steerable					
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
7	7/8in, MDZI616, JJ5116	1.00	3-3-WT-A-X-0-BT-TD	1.18	66.2
Nozzles (1/32") 16/16/16/16/16			String Length (ft) 553.58	Max Nominal OD (in) 6.500	
String Components SMITH MDZI616, Hunting 6.5 1.5 bent 7/8 3.3 rev .16, UBHO, NMDC, NMDC, 6 1/2 DCS, HWDP					
Comment SMITH MDZI616, HUNTING 6.5 BEND 1.5 7/8 3.3 .16, UBHO, NMDC, NMDC, 5 DC, 10 HWDP					

Drilling Parameters												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	7,000.0	8,400.0	6,858.0	102.0	65.1	420	26	55	1,700.0	124	180	12.00
			0	0								0.0

AFE Number 1709414US	
Start Depth (ftKB) 7,000.0	End Depth (ftKB) 8,400.0
Target Formation WASATCH	Target Depth (ftKB) 8,690.0
Last Casing String Surface, 1,542.0ftKB	
Daily Contacts	
Job Contact	Mobile
SCOTT SEELY	435-828-1101
Jesse Blanchard	435-828-2649

Rigs			
Capstar Drilling, 329			
Contractor	Rig Number		
Capstar Drilling	329		
Rig Supervisor	Phone Mobile		
JEREMY DEAKIN	307-315-3247		
1, Gardner-Denver, PZ-9			
Pump #	Pwr (hp)	Rod Dia (in)	
1	1,000.0		
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

2, Gardner-Denver, PZ-9			
Pump #	Pwr (hp)	Rod Dia (in)	
2	1,000.0		
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	63.0
Engineering	450.00	1.0
Hole Seal	21.00	27.0
Liqui Drill	135.00	2.0
Pallet	20.00	3.0
Rental	50.00	1.0
Sea Mud	15.50	138.0
Shrink Wrap	20.00	3.0
Tax	1.00	323.74

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



Daily Drilling Report

Report for: 4/17/2015
Report #: 9.0, DFS: 5.38
Depth Progress: 290.00

Well Name: RILEY 16-27-3-1E

UWI/API 43-047-54465		Surface Legal Location		License #	
Spud Date 3/23/2015 09:00		Date TD Reached (wellbore) 4/17/2015 12:00		Rig Release Date 4/20/2015 15:00	
		Ground Elevation (ft) 5,005.00		Orig KB Elev (ft) 5,017.00	
Completion Type					
Weather Cold		Temperature (°F) 55.0		Road Condition GOOD	
				Hole Condition Good	
Operation At 6am Try to work Logging Tools free @ 8678 Prepare to cut and strip over Wire line			Operation Next 24hrs Fish out logging tool		

24 Hr Summary
Drig Slide 7 7/8 Prod Hole F/ 8400' T/ 8690' 290' @ 48.33 ft per hr (WOB 24-28 GPM 370-420 RPM 45-60) Circ 2 Bottom Up, Spot 250 bbls 10.5 ppg kill mud F/8690' T/ 4500', Pump 30 bbls 12.5 ppg Dry Job, Trip out for loggs, Stop and Circ. @ 4000' L/D Directional Tools, Held Safety Meeting with Halliburton, R/U Loggers, RIH with Triple Combo Log, Logger Depth 8678, Work Through Bridge @ 3820, Tool Stuck @ 8678, Work Wire Line, try to free logging tool, Prepare to cut and strip over wire line, Formation Wasatch, BBG 375-405, Conn 895, Peak 762 @ 8529', Lithology CLYST 45% SS 30% SH 25%

Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	12:00	6.00	6.00	2	DRILL ACTUAL	Drig/Slide 7 7/8 Prod Hole F/ 8400' T/ 8690' 290' @ 48.33 ft per hr
12:00	14:30	2.50	8.50	5	COND MUD & CIRC	Circ 2 Bottom Up and Pump High vis sweep, Spot 250 bbls 10.5 ppg Kill Mud F/ 8690' T/ 4500' Pump 30 bbls 12.5 ppg Dry Job
14:30	18:00	3.50	12.00	6	TRIPS	Check for Flow, Trip out for Logs to 4000'
18:00	18:30	0.50	12.50	5	COND MUD & CIRC	Circ and work pipe
18:30	21:30	3.00	15.50	6	TRIPS	Trip Out for Logs L/D Directional Tools
21:30	06:00	8.50	24.00	11	WIRELINE LOGS	Held Safety Meeting with Halliburton, R/U Loggers, RIH with Triple Combo Log w/ Newtron Density PE SP Gamma Resistivity Dioelectric, Logger Depth 8678, Work Through Bridge @ 3820, Tool stuck @ 8678, Work Wire Line try to free logging tool, Prepare to cut and strip over wire line

Mud Checks

8,684.0ftKB, 4/17/2015 11:00						
Type DAP	Time 11:00	Depth (ftKB) 8,684.0	Density (lb/gal) 9.70	Funnel Viscosity (s/qt) 30	PV Override (cP) 4.0	YP OR (lb/100ft²) 4.000
Gel 10 sec (lb/100ft²) 6.000	Gel 10 min (lb/100ft²) 9.000	Filtrate (mL/30min) 0.1	Filter Cake (1/32") 0	pH 8.5	Sand (%) 0.3	Solids (%) 10.0
MBT (lb/bbl)	Alkalinity (mL/mL) 0.2	Chlorides (mg/L) 60,000.000	Calcium (mg/L) 20,000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl) 0.0	Mud Lost to Hole (bbl) 250.0	Mud Lost to Surface (bbl) 3.0	Reserve Mud Volume (bbl) 3000.0	Active Mud Volume (bbl) 866.0		

Drill Strings

BHA #1, Steerable						
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...	
	7 7/8in, MDZI616, JJ5116	1.00	3-3-WT-A-X-0-BT-TD	1.18	66.2	
Nozzles (1/32") 16/16/16/16/16			String Length (ft) 553.58	Max Nominal OD (in) 6.500		

String Components
SMITH MDZI616, Hunting 6.5 1.5 bent 7/8 3.3 rev .16, UBHO, NMDC, NMDC, 6 1/2 DCS, HWDP

Comment
SMITH MDZI616, HUNTING 6.5 BEND 1.5 7/8 3.3 .16, UBHO, NMDC, NMDC, 5 DC, 10 HWDP

Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	8,400.0	8,690.0	7,148.0	108.0	48.3	420	26	55	1,700.0	124	183	12,000.0
			0	0								0.0

AFE Number 1709414US	
Start Depth (ftKB) 8,400.0	End Depth (ftKB) 8,690.0
Target Formation WASATCH	Target Depth (ftKB) 8,690.0
Last Casing String Surface, 1,542.0ftKB	

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

1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp) 1,000.0	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp) 1,000.0	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
Aqua-sorb	195.00	2.0
Barite	10.65	160.0
Brine Plant Half Rental	384.00	1.0
DAP	35.00	30.0
Engineering	450.00	1.0
Hole Seal	21.00	32.0
Liqui Drill	135.00	2.0
Pallet	20.00	10.0
Rental	50.00	1.0
Sawdust	4.50	75.0
Sea Mud	15.50	120.0
Shrink Wrap	20.00	3.0
Tax	1.00	314.78
Walnut	14.50	3.0

Safety Checks

Time	Type	Des

Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	



Daily Drilling Report

Report for: 4/18/2015
 Report #: 10.0, DFS: 6.38
 Depth Progress: 0.00

Well Name: RILEY 16-27-3-1E

UWI/API 43-047-54465		Surface Legal Location		License #	
Spud Date 3/23/2015 09:00		Date TD Reached (wellbore) 4/17/2015 12:00		Rig Release Date 4/20/2015 15:00	
		Ground Elevation (ft) 5,005.00		Orig KB Elev (ft) 5,017.00	
Completion Type					
Weather Cold		Temperature (°F) 57.0		Road Condition GOOD	
				Hole Condition Good	
Operation At 6am Striping Over Wire Line			Operation Next 24hrs Fish Out Wire Line Log Log or Run 5.5 Casing		

AFE Number 1709414US	
Start Depth (ftKB) 8,690.0	End Depth (ftKB) 8,690.0
Target Formation WASATCH	Target Depth (ftKB) 8,690.0
Last Casing String Surface, 1,542.0ftKB	

24 Hr Summary
 Held Safety Meeting w/ Slaugh Fishing & Halliburton R/U to Strip Over Wire Line, Strip Over Wire Line, Stop and Circ Bottom @ 1500', 3000', 4000', 5000', 5700', 6900', 8000',

Time Log					
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity
06:00	06:00	24.00	24.00	19	FISHING
Com Held Safety Meeting w/ Slaugh Fishing & Halliburton R/U to Strip Over Wire Line, Strip Over Wire Line, Stop and Circ Bottom @ 1500', 3000', 4000', 5000', 5700', 6900', 8000',					

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

Mud Checks						
8,690.0ftKB, 4/18/2015 00:00						
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
DAP	00:00	8,690.0	10.10	29	3.0	4.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
4.000	7.000	0.1	0	8.5	0.3	10.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
	0.2	59,000.000	20.000	0.1	0.100	
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		
0.0	100.0	3.0	3000.0	801.0		

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

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)		

1, Gardner-Denver, PZ-9		
Pump #	Pwr (hp)	Rod Dia (in)
1	1,000.0	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)

String Components

Comment

2, Gardner-Denver, PZ-9		
Pump #	Pwr (hp)	Rod Dia (in)
2	1,000.0	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)

Drilling Parameters

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

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
Aqua-sorb	195.00	1.0
Barite	10.65	80.0
Brine Plant Half Rental	384.00	1.0
Engineering	450.00	1.0
Rental	50.00	1.0
Sawdust	4.50	75.0
Tax	1.00	35.24
Trucking	1.00	800.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



Daily Drilling Report

Report for: 4/19/2015
Report #: 11.0, DFS: 7.38
Depth Progress: 0.00

Well Name: RILEY 16-27-3-1E

UWI/API 43-047-54465		Surface Legal Location		License #	
Spud Date 3/23/2015 09:00	Date TD Reached (wellbore) 4/17/2015 12:00	Rig Release Date 4/20/2015 15:00	Ground Elevation (ft) 5,005.00	Orig KB Elev (ft) 5,017.00	
Completion Type					
Weather Cloudy	Temperature (°F) 55.0	Road Condition GOOD	Hole Condition Good		
Operation At 6am Runing 5.5 Prod Casing			Operation Next 24hrs Run 5.5 17# CP-80 Prod Casing, Cement Casing, Nipple Down & Clean Mud Tanks, Rig Down		

AFE Number 1709414US	
Start Depth (ftKB) 8,690.0	End Depth (ftKB) 8,690.0
Target Formation WASATCH	Target Depth (ftKB) 8,690.0
Last Casing String Production, 8,663.9ftKB	

24 Hr Summary
 Strip Over Wire Line, Free Logging Tool @ 8440, Strip into 8531, Pull Tool into over shot, Spot 120 bbls 10.5 ppg Kill Mud F/8600' T/ 6600', Pump 40 bbls 12.5 ppg Dry Job, Trip out of hole with Fish L/D Fish, RIH w/ Triple Combo Log Include Newtron Denstiy PE SP Gamma Resistivity Dielectric to 8400' Log well, R/U CRT RIH w/ 5 1/2 17# LTC Prod Casing,

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	11:00	5.00	5.00	19	FISHING	Strip Over Wire Line, Free Logging Tool @ 8440, Strip into 8531, Pull Tool into over shot, Pump on Drill pipe Psi up to 2200 psi, Circ Hole, Burn off at Rope Socket, Pull out with Wire Line, R/D Halliburton, Spot 120 bbls 10.5 ppg Kill Mud F/8600' T/ 6600', Pump 40 bbls 12.5 ppg Dry Job
11:00	18:00	7.00	12.00	6	TRIPS	Trip out of hole with Fish L/D Fish, Recover all Logging Tools
18:00	01:00	7.00	19.00	11	WIRELINE LOGS	Held Safety Meeting w/ Haliburton R/U Halliburton RIH w/ Triple Combo Log Include Newtron Denstiy PE SP Gamma Resistivity Dielectric to 8400' Log well
01:00	06:00	5.00	24.00	12	RUN CASING & CEMENT	Held Safety Meeting w/ Franks CRT hand P/U CRT, RIH w 199 Jts of 5 1/2 17# CP-80 LTC Casing Marker Joints @ 7875.5' and 5875.2'

Rigs		
Capstar Drilling, 329		
Contractor Capstar Drilling	Rig Number 329	
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247	
1, Gardner-Denver, PZ-9		
Pump # 1	Pwr (hp) 1,000.0	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s... Eff (%)

Mud Checks						
8,690.0ftKB, 4/19/2015 11:00						
Type DAP	Time 11:00	Depth (ftKB) 8,690.0	Density (lb/gal) 9.80	Funnel Viscosity (s/qt) 30	PV Override (cP) 4.0	YP OR (lb/100ft²) 4.000
Gel 10 sec (lb/100ft²) 4.000	Gel 10 min (lb/100ft²) 7.000	Filtrate (mL/30min) 0.1	Filter Cake (1/32") 0	pH 8.5	Sand (%) 0.3	Solids (%) 10.5
MBT (lb/bbl)	Alkalinity (mL/mL) 0.2	Chlorides (mg/L) 62,000.000	Calcium (mg/L) 20.000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl) 0.0	Mud Lost to Hole (bbl) 100.0	Mud Lost to Surface (bbl) 3.0	Reserve Mud Volume (bbl) 3000.0	Active Mud Volume (bbl) 824.0		

2, Gardner-Denver, PZ-9		
Pump # 2	Pwr (hp) 1,000.0	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
Barite	10.65	160.0
Brine Plant Half Rental	384.00	1.0
Engineering	450.00	1.0
Rental	50.00	1.0
Tax	1.00	3.03

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

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



Daily Drilling Report

Report for: 4/20/2015
Report #: 12.0, DFS: 8.38
Depth Progress: 0.00

Well Name: RILEY 16-27-3-1E

UWI/API 43-047-54465		Surface Legal Location		License #	
Spud Date 3/23/2015 09:00		Date TD Reached (wellbore) 4/17/2015 12:00		Rig Release Date 4/20/2015 15:00	
		Ground Elevation (ft) 5,005.00		Orig KB Elev (ft) 5,017.00	
Completion Type					
Weather		Temperature (°F)		Road Condition GOOD	
				Hole Condition Good	
Operation At 6am Rig Released F Riley 16-27-3-1E 3pm on 4/20/15			Operation Next 24hrs		

24 Hr Summary
RIH w 199 Jts of 5 1/2 17# CP-80 LTC Casing R/U to Cement 5 1/2 Prod Casing, Pump 10 bbls water spacer, 166 bbls 335 sk of Lead Cement mix @ 11 ppg, 171 bbls 580 sk of Tail Cement mix @13.1 ppg, Drop Latch Down Plug & wash pump and lines Displace w/ 200 bbls fresh water FCP 1950 @ 3 bpm, Bump Plug to 2450 psi @ 10:40 am on 4-20-15, Float held Ok, Gain Return at start of Displacement and Full Return until bumping Plug, No Cement to Surface, Nipple Down BOP and Clean Mud Tanks Released Capstar Rig 329, F/ Riley 16-27-3-1E @ 3pm on the 4/20/15

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	08:00	2.00	2.00	12	RUN CASING & CEMENT	RIH w 199 Jts of 5 1/2 17# CP-80 LTC Casing Marker Joints @ 7875.5' and 5875.2' Guide Shoe Set @ 8663.93, 110,000# Casing weight set on Hanger
08:00	11:00	3.00	5.00	12	RUN CASING & CEMENT	Held Safety Meeting w/ Haliburton R/U to Cement 5 1/2 Prod Casing, Persure test Pump and Lines to 3000 psi, Pump 10 bbls water spacer, 166 bbls 335 sk of Lead Cement mix @ 11 ppg, 171 bbls 580 sk of Tail Cement mix @13.1 ppg, Drop Latch Down Plug & wash pump and lines Displace w/ 200 bbls fresh water FCP 1850 @ 3 bpm, Bump Plug to 2250 psi @ 10:40 am on 4-20-15, Float held Ok, Gain Return at start of Displacement and Full Return until bumping Plug, No Cement to Surface
11:00	15:00	4.00	9.00	14	NIPPLE UP B.O.P	Nipple Down BOP and Clean Mud Tanks Released Capstar Rig 329, F/ Riley 16-27-3-1E @ 3pm on the 4/20/15

Mud Checks						
<depth>ftKB, <dtm>						
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft ²)
Gel 10 sec (lb/100ft ²)	Gel 10 min (lb/100ft ²)	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/100ft ²)
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) (in ²)	BHA ROP...	
Nozzles (1/32")		String Length (ft)		Max Nominal OD (in)		
String Components						
Comment						

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

AFE Number 1709414US	
Start Depth (ftKB) 8,690.0	End Depth (ftKB) 8,690.0
Target Formation WASATCH	Target Depth (ftKB) 8,690.0
Last Casing String Production, 8,663.9ftKB	

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

Rigs		
Capstar Drilling, 329		
Contractor	Rig Number	
Capstar Drilling	329	
Rig Supervisor	Phone Mobile	
JEREMY DEAKIN	307-315-3247	
1, Gardner-Denver, PZ-9		
Pump #	Pwr (hp)	Rod Dia (in)
1	1,000.0	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

2, Gardner-Denver, PZ-9		
Pump #	Pwr (hp)	Rod Dia (in)
2	1,000.0	
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	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		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: Riley 16-27-3-1E
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		9. API NUMBER: 43047544650000
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: 0484 FSL 1145 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 27 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/7/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <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 checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>Crescent Point Energy US Corp reports the first production of hydrocarbons from Riley 16-27-3-1E on May 7, 2015.</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 20, 2015</p>		
NAME (PLEASE PRINT) Kelly Beverlin	PHONE NUMBER 720 880-3635	TITLE Engineering Technician
SIGNATURE N/A		DATE 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 MD PLUG SET: 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
Riley 16-27-3-1E - Actual

Unitah County
Section 27 R1E, T3S
Your Ref: CAPSTAR 329 RKB @ 5018.1'

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
1585	0.2	36.7	1585	2.22	1.65	2.12	0.01
1671	0.4	76.2	1671	2.41	2.03	2.53	0.32
1759	0.3	84.3	1758.99	2.51	2.56	3.07	0.13
1845	0.4	104.3	1844.99	2.45	3.08	3.56	0.18
1932	0.5	108.1	1931.99	2.26	3.73	4.15	0.12
2018	1.9	69.2	2017.97	2.65	5.42	5.88	1.79
2105	3.7	54	2104.86	4.81	9.04	9.9	2.22
2192	3.5	50.7	2191.69	8.15	13.37	14.88	0.33
2280	4.6	46.3	2279.47	12.28	18	20.33	1.3
2367	4.6	56.9	2366.19	16.6	23.44	26.62	0.98
2454	5.7	67.3	2452.84	20.17	30.35	34.16	1.65
2541	6.6	67.9	2539.34	23.72	38.97	43.36	1.04
2629	7.8	62.1	2626.65	28.42	48.93	54.14	1.59
2714	9.1	67.1	2710.72	33.73	60.22	66.34	1.76
2801	9.6	66.9	2796.57	39.26	73.23	80.27	0.58
2888	9.4	66.6	2882.37	44.92	86.43	94.41	0.24
2976	9.6	65.5	2969.17	50.82	99.7	108.68	0.31
3064	9.5	68.7	3055.95	56.5	113.14	123.07	0.61
3150	9.6	67.5	3140.76	61.82	126.38	137.17	0.26
3238	9.4	67.4	3227.55	67.39	139.79	151.5	0.23
3324	9.1	65.7	3312.43	72.89	152.48	165.11	0.47
3411	8.2	63.3	3398.44	78.51	164.29	177.89	1.11
3496	8.2	68.21	3482.57	83.48	175.33	189.78	0.82
3584	9.4	69.9	3569.53	88.28	187.91	203.12	1.39
3670	8.7	68.9	3654.46	93.04	200.57	216.54	0.83
3757	7.8	70.2	3740.56	97.41	212.27	228.92	1.06
3844	8.3	67.4	3826.71	101.82	223.62	240.98	0.73
3931	8.9	66.1	3912.73	106.96	235.57	253.79	0.72
4019	9.6	65.3	3999.58	112.79	248.46	267.67	0.81
4107	9.4	63.3	4086.38	119.08	261.55	281.85	0.44
4194	9.3	59.5	4172.22	125.84	273.95	295.47	0.72

4282	10.1	63.7	4258.96	132.87	286.99	309.78	1.21
4369	9.4	61.5	4344.71	139.64	300.08	324.06	0.91
4456	8.4	66.6	4430.66	145.55	312.15	337.17	1.46
4543	9.6	66.3	4516.59	150.99	324.63	350.56	1.38
4629	9	63.7	4601.46	156.86	337.23	364.16	0.85
4716	8.6	62.7	4687.43	162.85	349.11	377.1	0.49
4801	8	61	4771.54	168.64	359.93	388.96	0.76
4889	7.7	63	4858.72	174.28	370.54	400.58	0.46
4976	7.9	66.4	4944.91	179.32	381.21	412.12	0.58
5063	9.1	70.1	5030.95	184.06	393.16	424.83	1.52
5150	10	74.1	5116.75	188.47	406.89	439.21	1.28
5237	8.6	73.5	5202.6	192.39	420.39	453.25	1.61
5324	7.1	73.2	5288.79	195.79	431.78	465.11	1.72
5410	6.2	74	5374.21	198.6	441.33	475.06	1.05
5497	5.5	75.4	5460.75	200.95	449.88	483.92	0.82
5584	4.2	68.4	5547.44	203.17	456.88	491.24	1.64
5670	3.2	73.9	5633.26	205	462.11	496.75	1.23
5757	2.4	82.3	5720.16	205.92	466.25	500.99	1.03
5844	2	91.5	5807.09	206.12	469.57	504.27	0.61
5932	1.7	98.9	5895.05	205.88	472.4	506.97	0.44
6019	1.8	112.4	5982.01	205.16	474.94	509.27	0.49
6107	1.6	122.4	6069.97	203.97	477.25	511.25	0.41
6194	1.5	146.5	6156.94	202.37	478.9	512.5	0.75
6282	1.5	165.7	6244.91	200.3	479.82	512.92	0.57
6369	1.9	169.2	6331.87	197.78	480.38	512.88	0.47
6457	2.2	174.9	6419.81	194.66	480.8	512.58	0.41
6543	2.4	181.1	6505.74	191.22	480.91	511.9	0.37
6629	2.4	177.4	6591.67	187.62	480.96	511.12	0.18
6716	2.6	174.2	6678.58	183.83	481.24	510.53	0.28
6803	2.5	171.3	6765.5	179.99	481.73	510.13	0.19
6890	2.3	170.7	6852.42	176.4	482.3	509.86	0.23
6976	2.11	177.6	6938.36	173.11	482.64	509.44	0.38
7064	1.5	184.7	7026.31	170.34	482.62	508.78	0.74
7151	1.4	184.7	7113.29	168.15	482.43	508.11	0.11
7239	1.4	166.7	7201.26	166.03	482.59	507.78	0.5
7325	1.4	173.6	7287.24	163.97	482.95	507.65	0.2
7412	1.5	170.1	7374.21	161.79	483.27	507.46	0.15
7500	1.6	174.4	7462.18	159.43	483.59	507.23	0.17
7588	1.8	167.9	7550.14	156.86	483.99	507.04	0.32
7675	2	165.5	7637.09	154.05	484.66	507.05	0.25
7762	2.1	164.5	7724.03	151.05	485.47	507.15	0.12
7848	2.2	164.9	7809.97	147.93	486.32	507.26	0.12
7935	2	166.8	7896.91	144.84	487.1	507.32	0.24
8022	2.2	166.9	7983.86	141.74	487.83	507.31	0.23
8110	2.2	165.4	8071.79	138.46	488.63	507.35	0.07
8197	2.5	163	8158.72	135.03	489.61	507.52	0.36
8283	2.2	165	8244.64	131.64	490.59	507.69	0.36

8371	2.3	162.1	8332.58	128.33	491.57	507.89	0.17
8457	2.2	166.4	8418.51	125.08	492.48	508.04	0.23
8545	2.2	162.8	8506.45	121.83	493.38	508.17	0.16
8631	2.3	166	8592.38	118.58	494.29	508.3	0.19
8690	2.3	166	8651.33	116.28	494.86	508.34	0

All data are in feet unless otherwise stated. Directions and coordinates are relative to True North. Vertical depths are relative to Riley 16-27-3-1E. 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 76.777° (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 1.048°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 8690.00ft., the Bottom Hole Displacement is 508.34ft., in the Direction of 76.777° (True).

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS 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: Riley 16-27-3-1E
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP	9. API NUMBER: 43047544650000
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: 0484 FSL 1145 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 27 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 Riley 16-27-3-1E

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

Date: _____
By: *Derek Duff*

NAME (PLEASE PRINT) Valari Crary	PHONE NUMBER 303 880-3637	TITLE Drilling And Completion Tech
SIGNATURE N/A	DATE 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
Riley 16-27-3-1E
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.

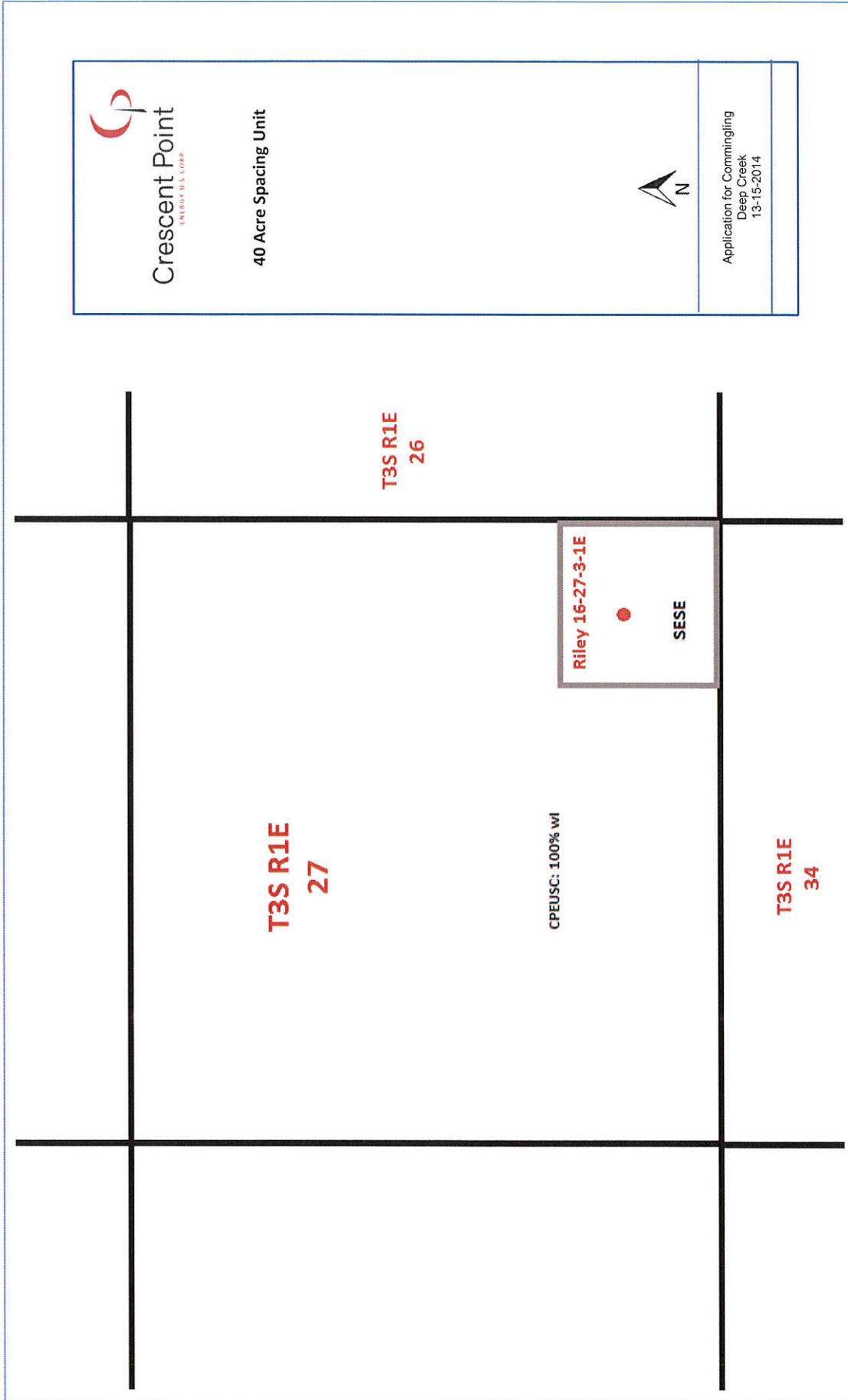
If you should have any questions regarding these Sundry Notices, please feel free to contact me at 303-382-6794.

Sincerely,

A handwritten signature in blue ink that reads 'Andrew 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:

Riley 16-27-3-1E: SESE of Section 27 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", is written over a horizontal line.

Andrew M. Stone
Land Consultant