

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> Kendall 8-17-3-1E				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> INDEPENDENCE				
<b>4. TYPE OF WELL</b> Oil Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> CRESCENT POINT ENERGY U.S. CORP						<b>7. OPERATOR PHONE</b> 720 880-3621				
<b>8. ADDRESS OF OPERATOR</b> 555 17th Street, Suite 750, Denver, CO, 80202						<b>9. OPERATOR E-MAIL</b> abaldwin@crecidentpointenergy.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> Fee			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Mike Kendall						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 801-546-2230				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 1638 E. Gordon Avenue, ,						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		1806 FNL 660 FEL		SENE	17	3.0 S	1.0 E	U		
Top of Uppermost Producing Zone		1806 FNL 660 FEL		SENE	17	3.0 S	1.0 E	U		
At Total Depth		1806 FNL 660 FEL		SENE	17	3.0 S	1.0 E	U		
<b>21. COUNTY</b> UINTAH			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 660			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 920			<b>26. PROPOSED DEPTH</b> MD: 9340 TVD: 9340				
<b>27. ELEVATION - GROUND LEVEL</b> 4963			<b>28. BOND NUMBER</b> LPM9080271			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 43-12534				
<b>Hole, Casing, and Cement Information</b>										
<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Length</b>	<b>Weight</b>	<b>Grade &amp; Thread</b>	<b>Max Mud Wt.</b>	<b>Cement</b>	<b>Sacks</b>	<b>Yield</b>	<b>Weight</b>
Cond	24	16	0 - 2000	24.0	H-40 ST&C	8.3	No Used	0	0.0	0.0
Surf	12.25	8.625	0 - 2000	24.0	J-55 ST&C	8.3	Class G	435	2.5	12.0
							Class G	315	1.15	15.8
Prod	7.875	5.5	0 - 9340	17.0	N-80 LT&C	10.0	Light (Hibond)	280	3.82	11.0
							Class G	560	1.65	13.1
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Kristen Johnson			<b>TITLE</b> Regulatory Technician			<b>PHONE</b> 303 308-6270				
<b>SIGNATURE</b>			<b>DATE</b> 12/16/2014			<b>EMAIL</b> kjohnson@crecidentpointenergy.com				
<b>API NUMBER ASSIGNED</b> 43047551290000			<b>APPROVAL</b>   Permit Manager							

Crescent Point Energy U.S. Corp

**Kendall 8-17-3-1E**

SE/NE of Section 17, T3S, R1E, USB&amp;M

1806' FNL &amp; 660' FEL

Uintah County, Utah

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

Formation	Depth – TVD/MD
Uinta	Surface
Upper Green River Marker	4,701'
Mahogany	5,258'
Garden Gulch (TGR3)	6,555'
Douglas Creek	7,421'
Black Shale	7,819'
Castle Peak	7,960'
Uteland	8,232'
Wasatch	8,340'
TD	9,340'

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

Green River Formation (Oil) 4,701' – 8,340'

Wasatch Formation (Oil) 8,340' – 9,340'

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

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

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

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

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

Size	Interval		Weight	Grade	Coupling	Design Factors			
	Top	Bottom				Burst	Collapse	Tension	
<b>Conductor</b> <b>16"</b> <b>Hole Size 24"</b>	0'	40'	65	H-40	STC	1,640	670	439	API
<b>Surface casing</b> <b>8-5/8"</b> <b>Hole Size 12-1/4"</b>	0'	2,000'	24	J-55	STC	2,950 810 3.64	1,370 1,117 1.22	244,000 48,000 5.08	API Load SF
<b>Prod casing</b> <b>5-1/2"</b> <b>Hole Size 7- 7/8"</b>	0'	9,340'	17	L-80	LTC	7,740 6,200 1.25	6,290 4,775 1.31	348,000 159,000 2.13	API Load SF

*Assumptions:*

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

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

## Minimum Safety Factors:

Burst = 1.000  
Collapse = 1.125  
Tension = 1.800

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

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

*Cementing Design:*

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
Surface casing Lead	1500' - surface	Class V 2% chlorides	75%	435	12.0	2.5
Surface casing Tail	2000' – 1500'	Class V 2% chlorides	75%	315	15.8	1.15
Prod casing Lead	4700' to Surface	Hifill Class V 3% chlorides	25% in open-hole, 0% in cased hole	280	11	3.82
Prod casing Tail	TD to 4700'	Class G 10% chlorides	15%	560	13.1	1.65

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

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

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

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

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

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

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

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

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

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

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

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

5. Drilling Fluids Program

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

The surface interval will then be drilled to  $\pm 2000'$  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  $\pm 2000'$  to TD, a brine water system will be utilized. Clay inhibition and hole stability will be achieved with a polymer (DAP) additive; the reserve pit will be lined to address this additive. This brine water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 9.5 lbs/gal. If it is necessary to control formation fluids or pressure, the system will be weighted with the addition of brine, and if pressure conditions warrant, barite and/or calcium carbonate will be used as a weighting agent. There will be enough weighting agent on location to increase the entire system to 11.0 ppg MW.

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

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

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

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

6. Minimum Specifications for Pressure Control

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

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

The configuration is as follows:

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

- 2 Kill line valves at 2" minimum – one with a check valve
- Kill line at 2" minimum
- 2 Choke line valves at 3" minimum
- Choke line at 3" minimum
- 2 adjustable chokes on manifold
- Pressure gauge on choke manifold

#### 7. BOPE Test Criteria

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

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

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

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

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

#### 8. Accumulator

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

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

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

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

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

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

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

10. Anticipated Abnormal Pressures or Temperature

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

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

11. Anticipated Starting Date and Duration of Operations

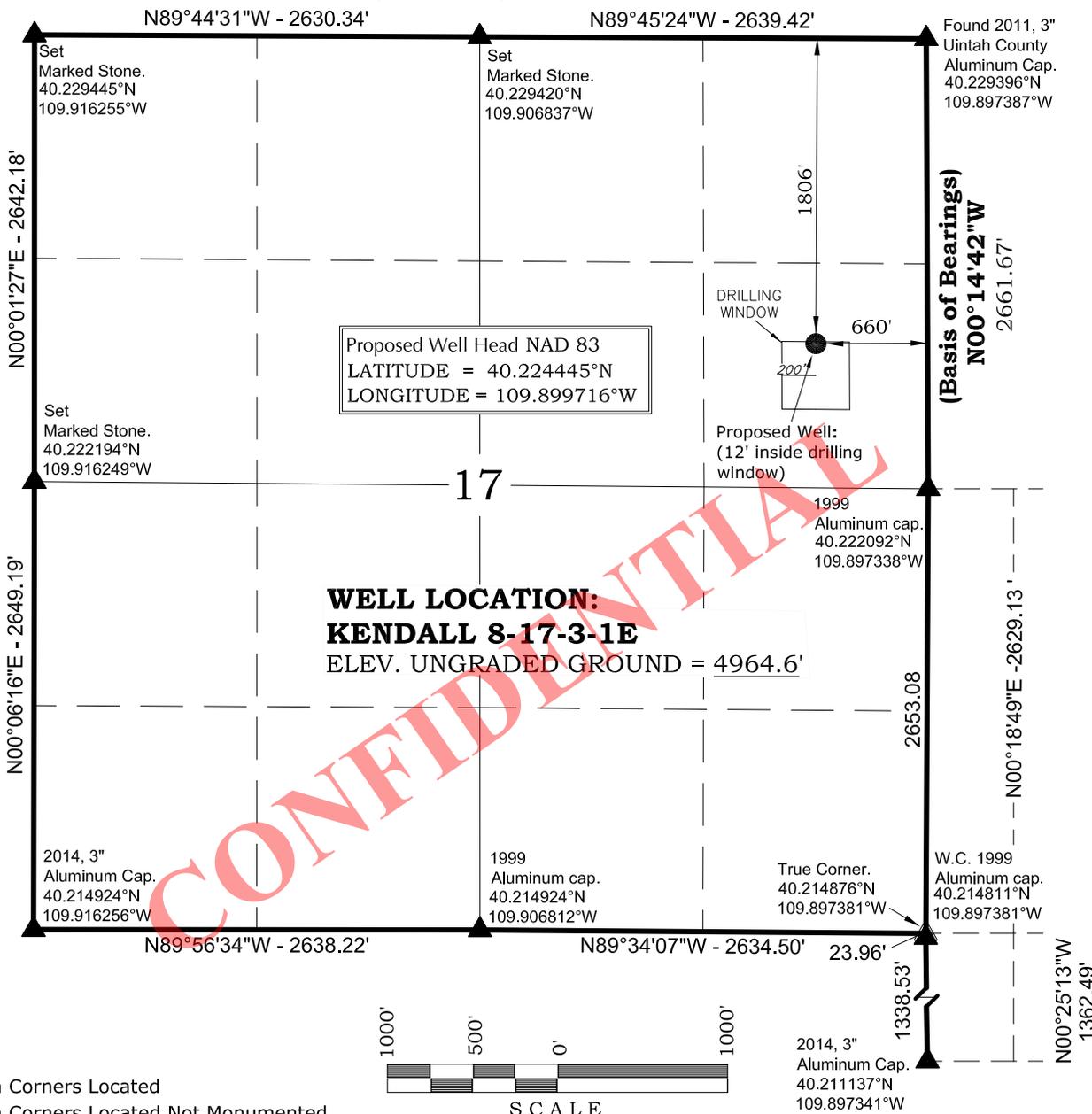
It is anticipated that drilling operations will commence as soon as possible following permit approval and will take approximately ten (10) days from spud to rig release and two weeks for completions.

12. Variations Requested from Onshore Order No. 2

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

CONFIDENTIAL

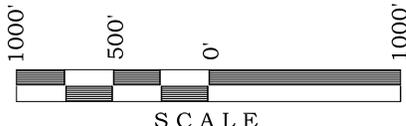
# T3S, R1E, U.S.B.&M.



Proposed Well Head NAD 83  
 LATITUDE = 40.224445°N  
 LONGITUDE = 109.899716°W

**WELL LOCATION:  
 KENDALL 8-17-3-1E**  
 ELEV. UNGRADED GROUND = 4964.6'

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**NOTES:**

- ▲ = Section Corners Located
  - △ = Section Corners Located Not Monumented
1. Well footages are measured at right angles to the Section Lines.
  2. Bearings and distances shown on this plat are based upon a local Cartesian Grid which is oriented to Geodetic North at the SE Corner of Section 36, T3S, R1E, U.S.B.&M. the grid having a mean project height of 5,000'. Lineal units used are U.S. Survey Foot. Trimble G.P.S. equipment was used in performance of this survey.
  3. Latitude and Longitude are NAD 83 (2011) Epoch 2010. Elevations are NAVD 88. Both derived from the Utah Virtual Reference Station Control System (VRS).

**SURVEYOR'S CERTIFICATE**

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

No. 602869  
 JOHN R SAUGH  
 PROFESSIONAL LAND SURVEYOR  
 LICENCE No. 6028691  
 STATE OF UTAH

**CRESCENT POINT ENERGY**  
 555 17th Street, Suite 1800 - Denver, Colorado 80202

**WELL PLAT**

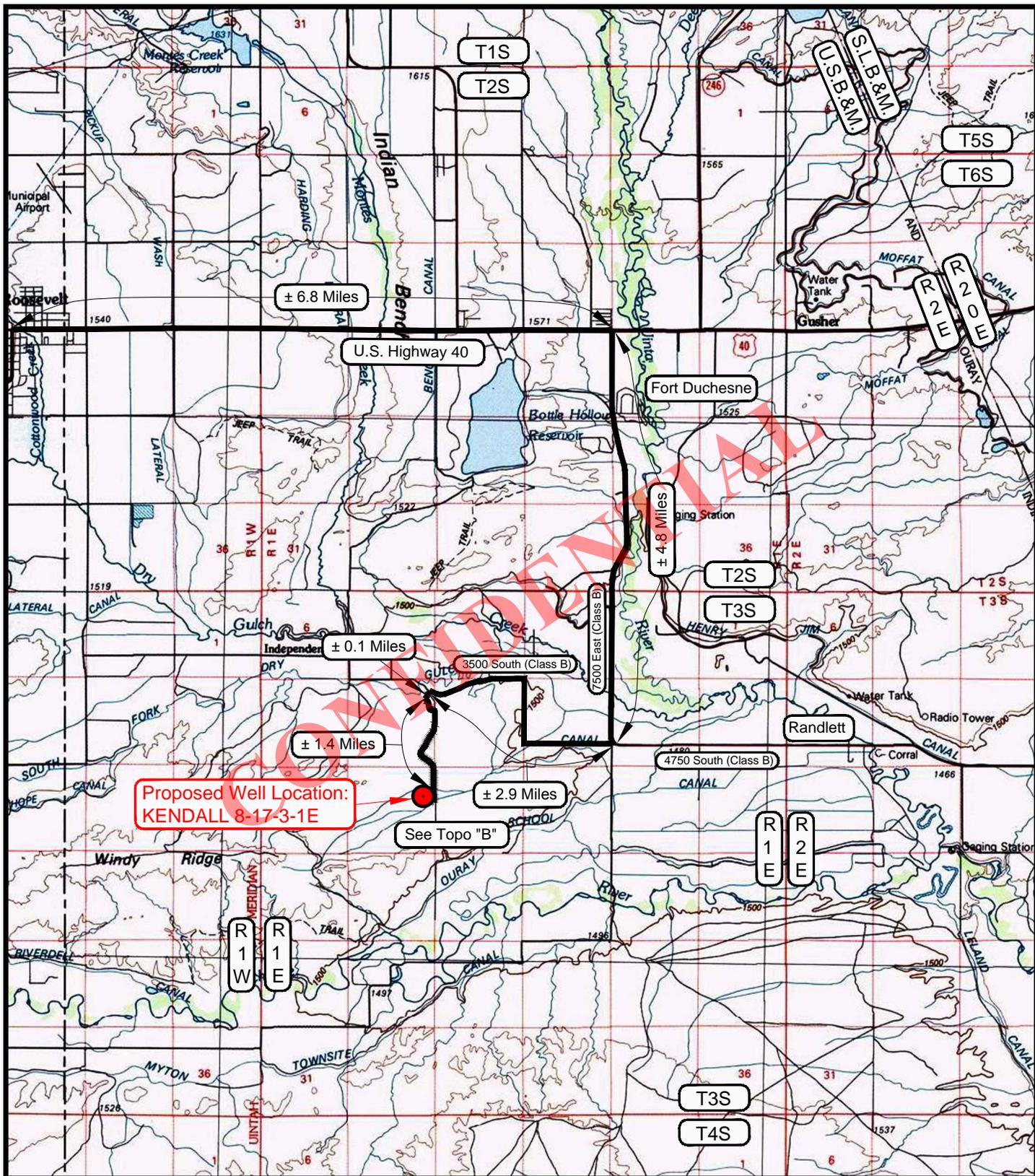
**KENDALL 8-17-3-1E**  
**1806' FNL, 660' FEL**  
**SE ¼ NE ¼ OF SECTION 17, T3S, R1E,**  
**U.S.B.&M., UTAH COUNTY, UTAH.**



(435) 789-1365

**TIMBERLINE**  
 ENGINEERING & LAND SURVEYING, INC.  
 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 9-18-14	SURVEYED BY: A.F.	SHEET NO: <b>1</b>
DATE DRAWN: 10-13-14	DRAWN BY: D.A.	
SCALE: 1" = 1000'		OF 13



Proposed Well Location:  
KENDALL 8-17-3-1E

### CRESCENT POINT ENERGY

555 17th Street, Suite 1800 - Denver, Colorado 80202

#### WELL - KENDALL 8-17-3-1E

1806' FNL & 660' FEL

LOCATED IN SECTION 17, T3S, R1E,  
U.S.B.&M., UINTAH COUNTY, UTAH.

#### LEGEND

- PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = OTHER WELLS
- = EXISTING ROAD
- = EXISTING ROAD (TO BE IMPROVED)
- (B-5460) = COUNTY ROAD CLASS & NUMBER

TOPOGRAPHIC MAP "A"

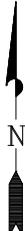
DATE SURVEYED: 9-18-14

DATE DRAWN: 10-14-14

SCALE: 1:100,000

DRAWN BY: D.A.

REVISED:



**TIMBERLINE**

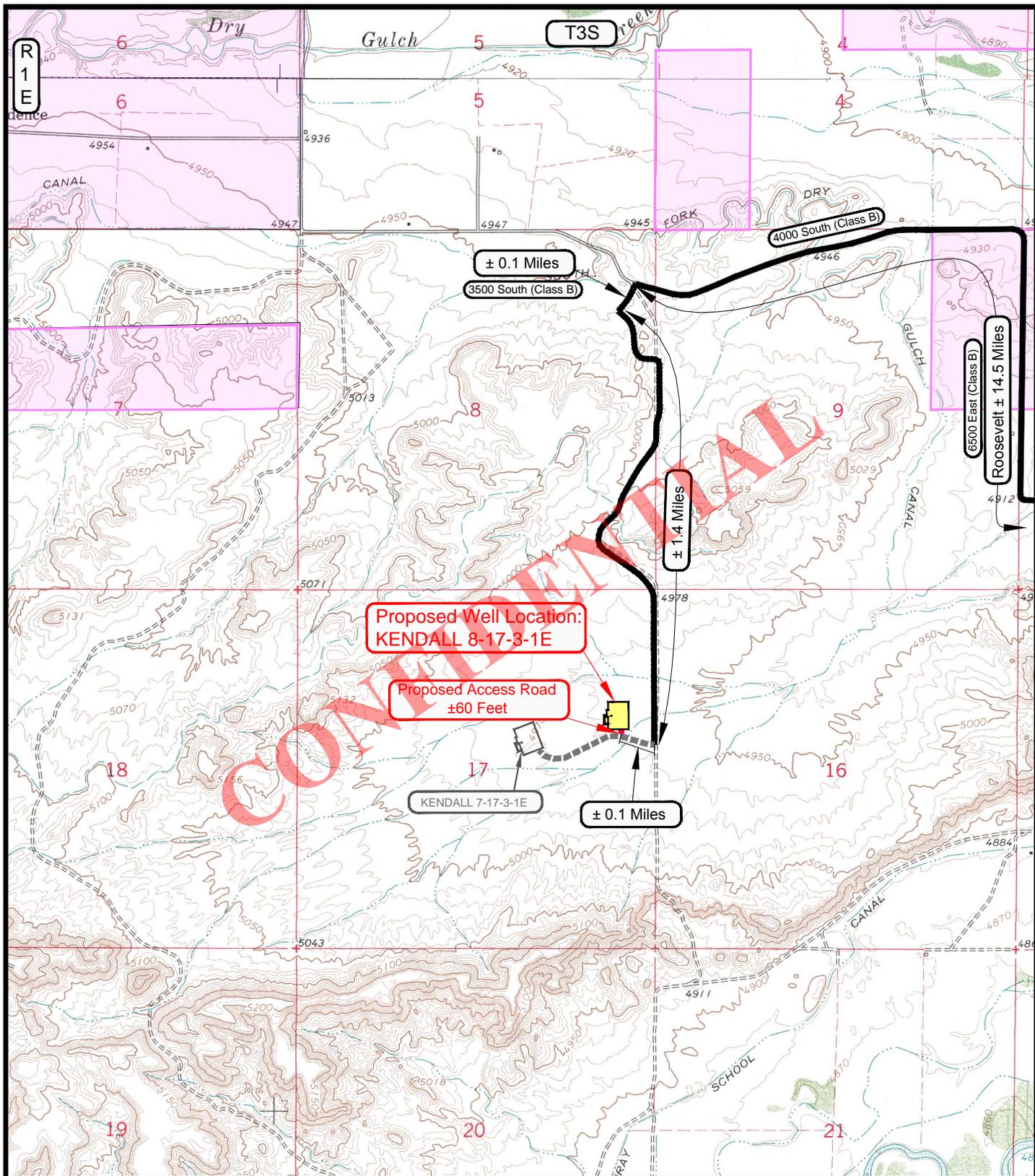
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209 NORTH 300 WEST - VERNAL, UTAH 84078

SHEET

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OF 13



**LEGEND**

- PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = OTHER WELLS
- = EXISTING ROAD
- = EXISTING ROAD (TO BE IMPROVED)
- = PROPOSED WELL
- = FEE
- = UTE INDIAN TRIBE
- (B-5460) = COUNTY ROAD CLASS & NUMBER
- = LEASE LINE AND / OR PROPERTY LINE

**CRESCENT POINT ENERGY**

555 17th Street, Suite 1800 - Denver, Colorado 80202

**WELL - KENDALL 8-17-3-1E**  
**1806' FNL & 660' FEL**  
**LOCATED IN SECTION 17, T3S, R1E,**  
**U.S.B.&M., UTAH COUNTY, UTAH.**

TOPOGRAPHIC MAP "B"

DATE SURVEYED: 9-18-14

DATE DRAWN: 10-14-14

REVISED:

SCALE: 1" = 2000'

DRAWN BY: D.A.

**TIMBERLINE**

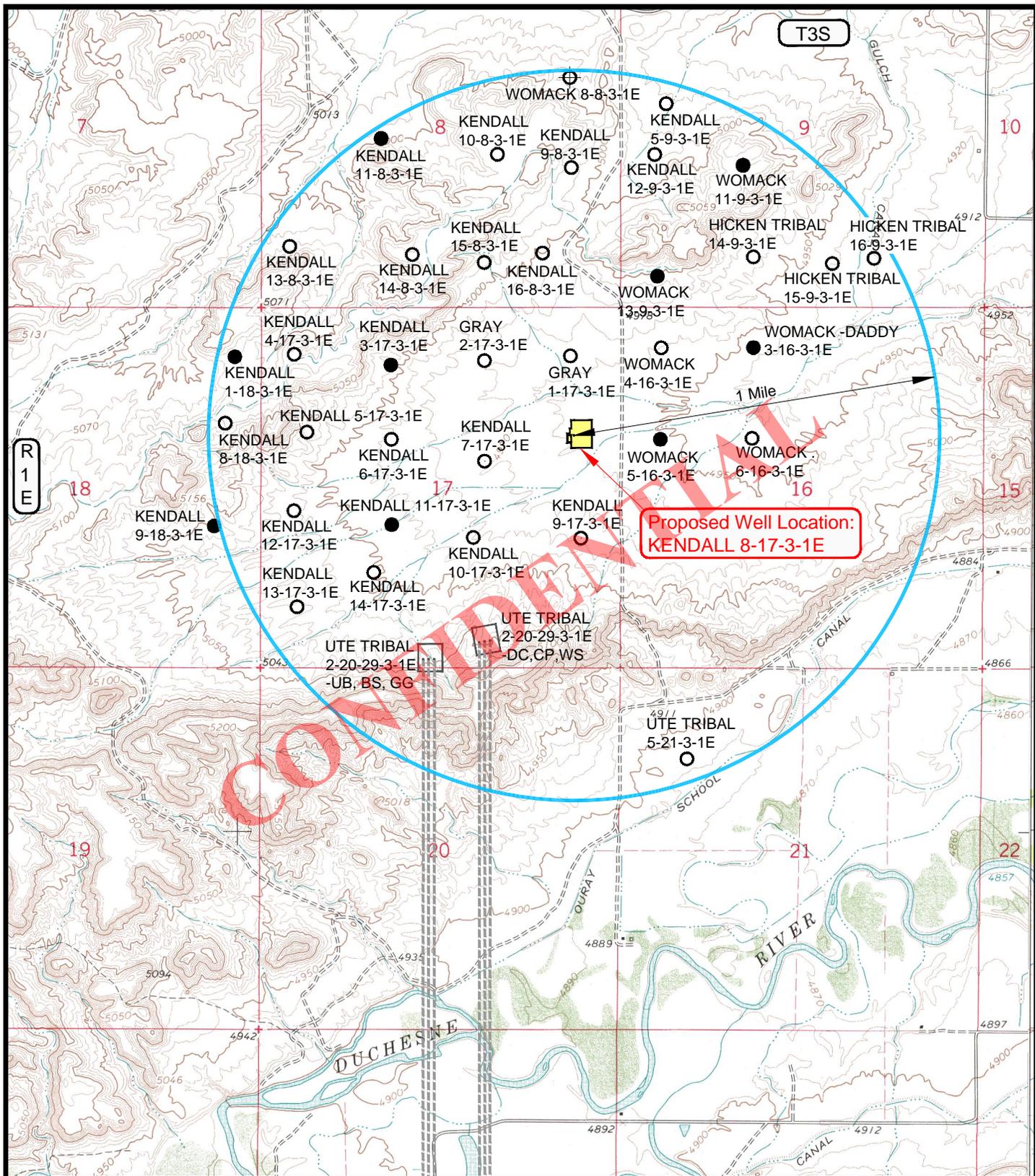
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 209 NORTH 300 WEST - VERNAL, UTAH 84078

SHEET

7

OF 13



**LEGEND**

- ⊙ = DISPOSAL WELL
- = PRODUCING WELL
- = SHUT IN WELL
- = PROPOSED WELL
- ⊙ = WATER WELL
- = ABANDONED WELL
- = TEMPORARILY ABANDONED WELL
- ⊙ = ABANDONED LOCATION

**CRESCENT POINT ENERGY**

555 17th Street, Suite 1800 - Denver, Colorado 80202

**WELL - KENDALL 8-17-3-1E**  
**1806' FNL & 660' FEL**  
**LOCATED IN SECTION 17, T3S, R1E,**  
**U.S.B.&M., UINTAH COUNTY, UTAH.**

TOPOGRAPHIC MAP "C"

DATE SURVEYED: 9-18-14

DATE DRAWN: 10-14-14

SCALE: 1" = 2000'

DRAWN BY: D.A.

REVISED:

**TIMBERLINE**

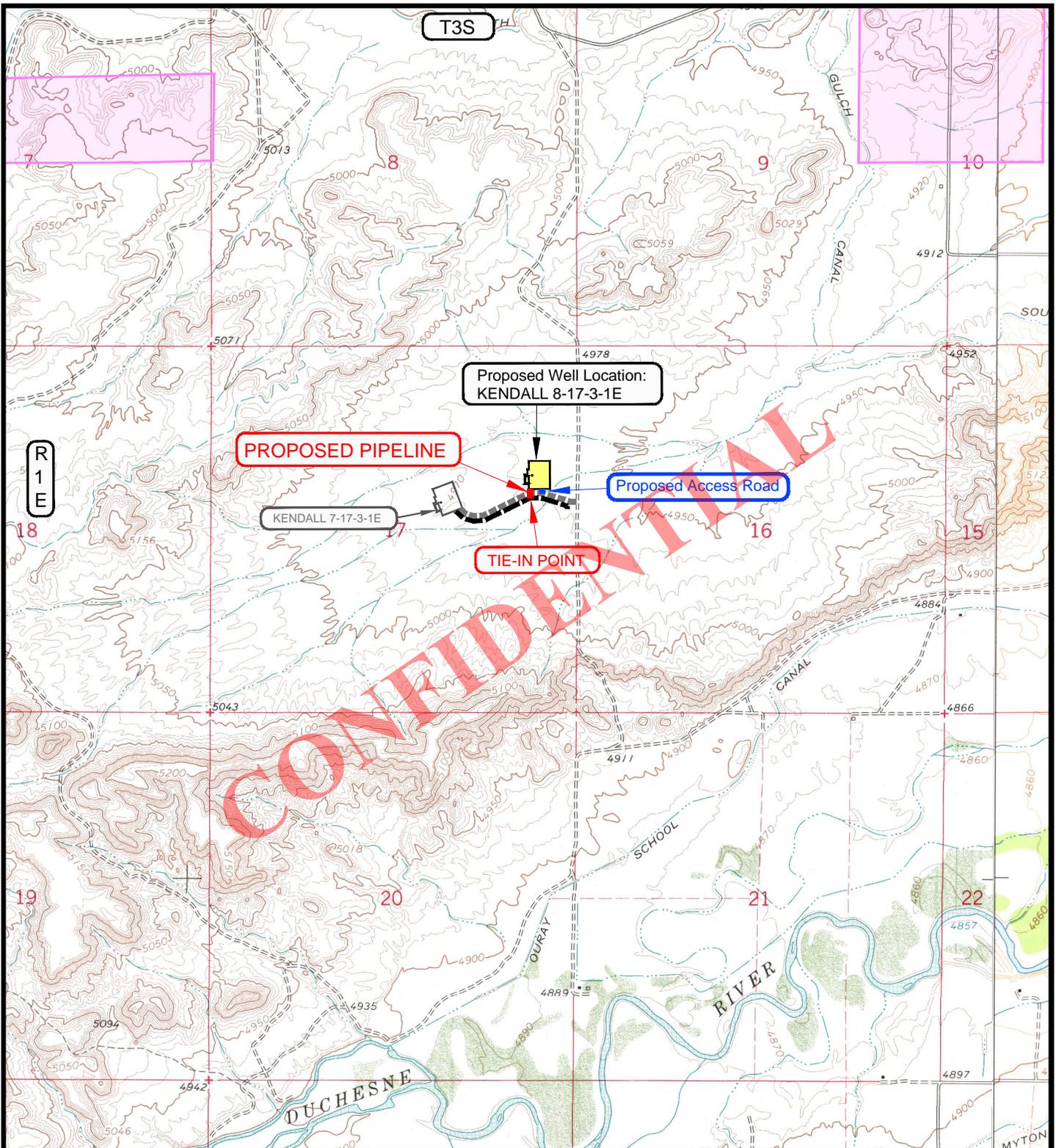
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 209 NORTH 300 WEST - VERNAL, UTAH 84078

SHEET

8

OF 13



**APPROXIMATE PIPELINE LENGTH = ±90 FEET**

**LEGEND**

- = PROPOSED PIPELINE
- = OTHER PIPELINE
- = PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = OTHER WELLS
- = FEE
- = UTE INDIAN TRIBE
- = LEASE LINE AND / OR PROPERTY LINE
- = PROPOSED WELL

**CRESCENT POINT ENERGY**

555 17th Street, Suite 1800 - Denver, Colorado 80202

**WELL - KENDALL 8-17-3-1E**  
**1806' FNL & 660' FEL**  
**LOCATED IN SECTION 17, T3S, R1E,**  
**U.S.B.&M., UINTAH COUNTY, UTAH.**

TOPOGRAPHIC MAP "D"

DATE SURVEYED: 9-18-14

DATE DRAWN: 10-14-14

SCALE: 1" = 2000'

DRAWN BY: D.A.

REVISED:

**TIMBERLINE**

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.  
 209 NORTH 300 WEST - VERNAL, UTAH 84078

SHEET

**9**

OF 13

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

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

WHEREAS, that certain Surface Use Agreement and Grant of Easements (the "Agreement") dated effective March 1<sup>st</sup>, 2012 has been entered into by and between Kendall Investments LLC, a Utah Limited Liability Company, whose address is 1638 E. Gordon Ave., Layton, Utah 84040 ("Owner") and Ute Energy Upstream Holdings LLC, whose address is 1875 Lawrence Street, Suite 200, Denver, CO 80202 ("Operator").

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

- Township 3 South, Range 1 East, USM**  
 Section 17: W/2, SE/4, S/2NE/4  
 Section 18: Lots 1, 2, 3, 4 (being the W/2W/2), E/2SW/4, SE/4, E/2NE/4  
 Section 19: Lots 1, 2, 3, 4, E/2W/2, E/2 (All)  
 Section 30: Lots 3, 4, 5, 6, 7 (being the NW/4 and the NW/4NE/4)

- Township 3 South, Range 1 West, USM**  
 Section 13: NE/4, NE/4SE/4, W/2SE/4, W/2SE/4SE/4, E/2E/2SE/4SE/4

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

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

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

WHEREAS, this Agreement shall run with the 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 6<sup>th</sup> day of March, 2012



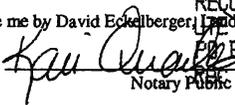
David Eckelberger  
Landman

ACKNOWLEDGEMENT

STATE OF COLORADO )  
 ) ss  
COUNTY OF DENVER )

Entry 2012002111  
Book 1268 Page 644 \$14.00  
14-MAR-12 02:04  
RANDY SIMMONS  
RECORDER, Uintah County, Utah  
PO BOX 789 FT DUCHESNE, UT 84026  
By: TONYA ATWOOD, DEPUTY

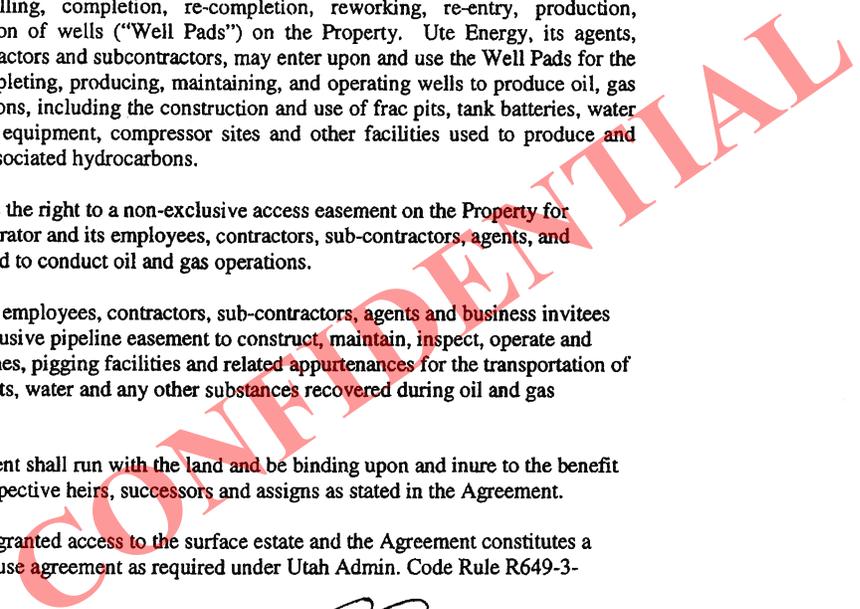
The foregoing instrument was acknowledged before me by David Eckelberger, Landman for Ute Energy Upstream Holdings LLC this 6<sup>th</sup> day of March, 2012.

  
Notary Public

Notary Seal:

My Commission expires:  
September 15, 2014  
Date

**KARI QUARLES**  
NOTARY PUBLIC, STATE OF COLORADO  
My Comm. Expires September 15, 2014



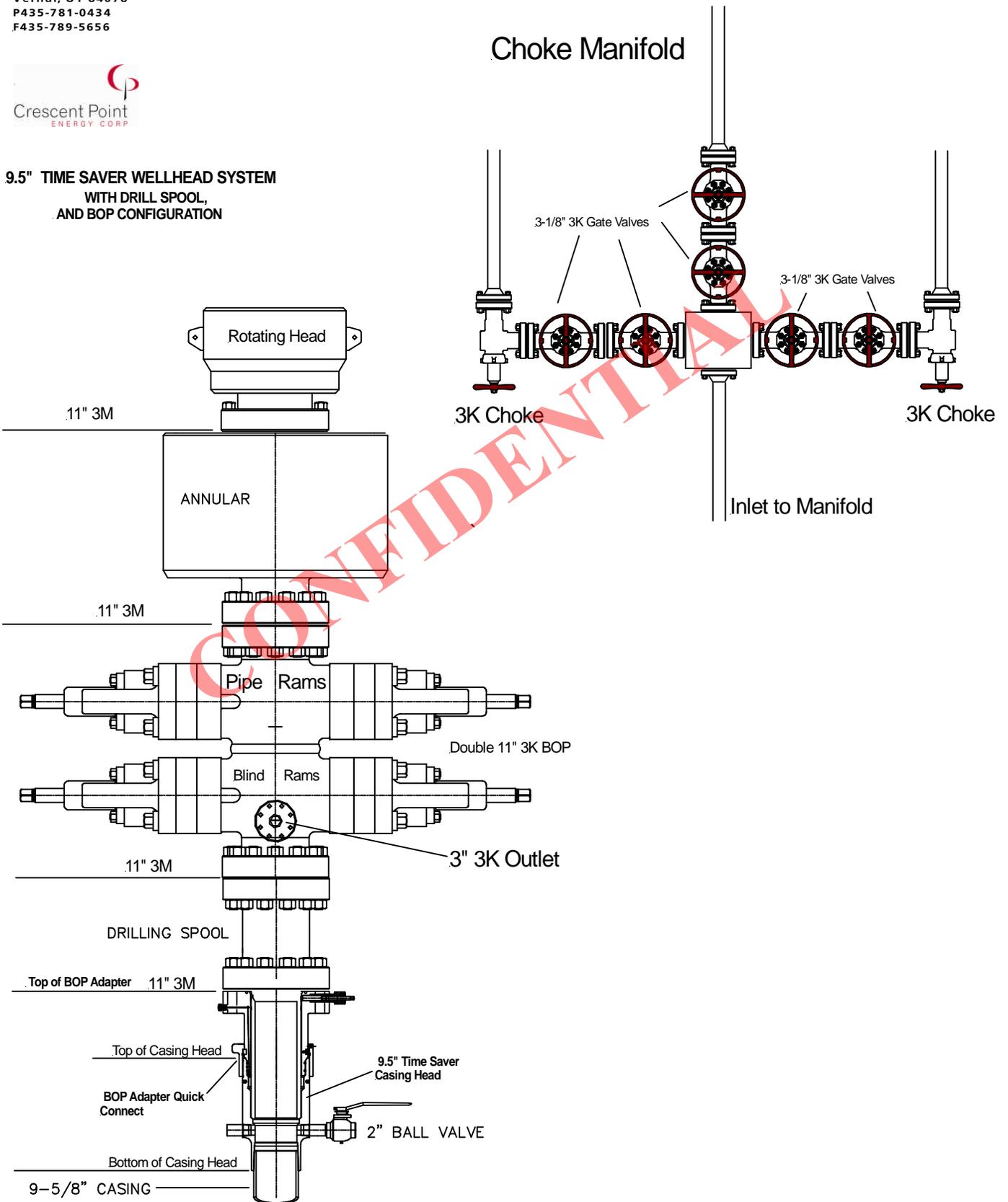


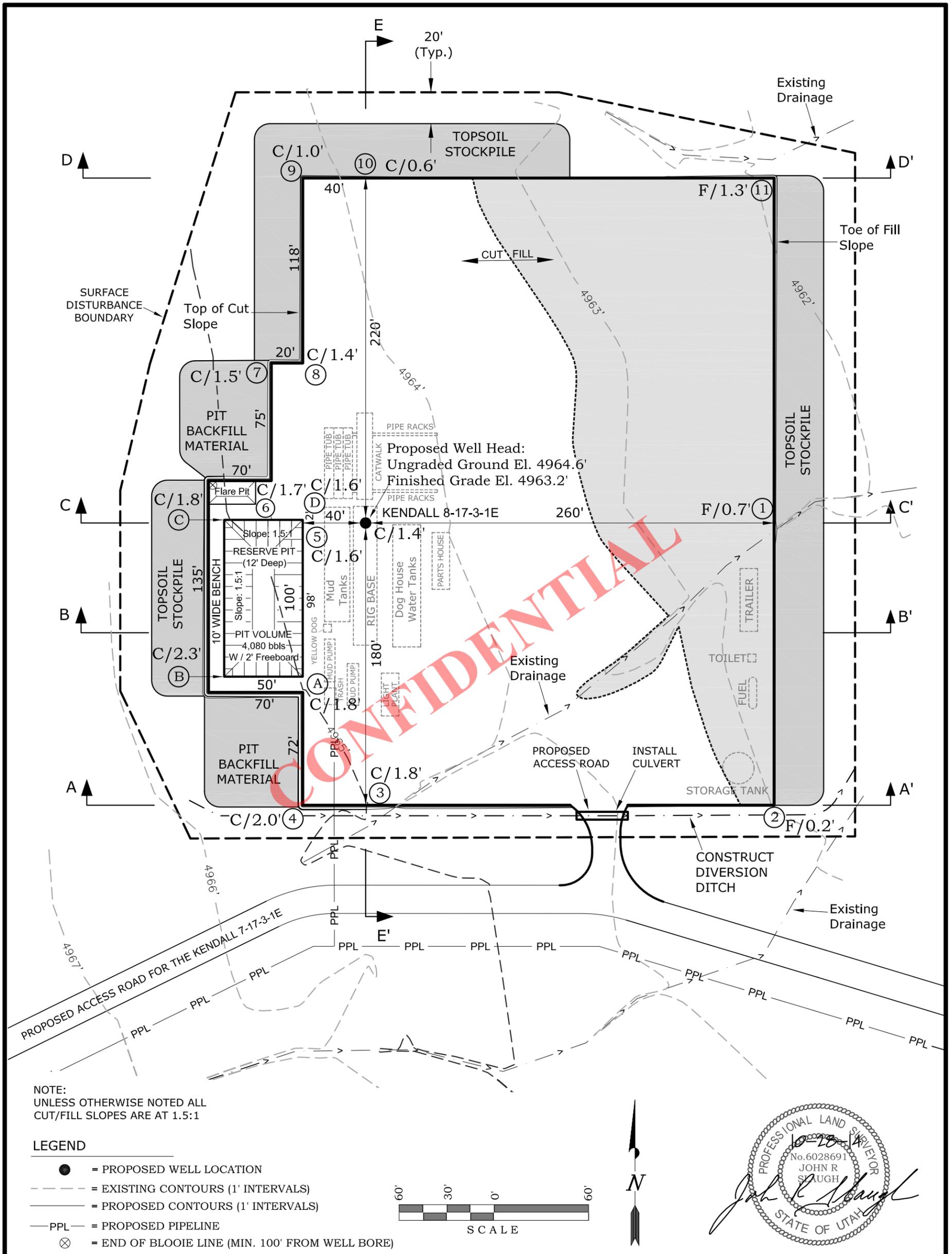
519 E. 300 S.  
Vernal, UT 84078  
P435-781-0434  
F435-789-5656

Oct, 18, 2013



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

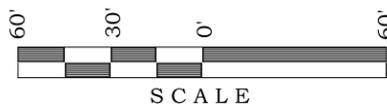




NOTE:  
UNLESS OTHERWISE NOTED ALL  
CUT/FILL SLOPES ARE AT 1.5:1

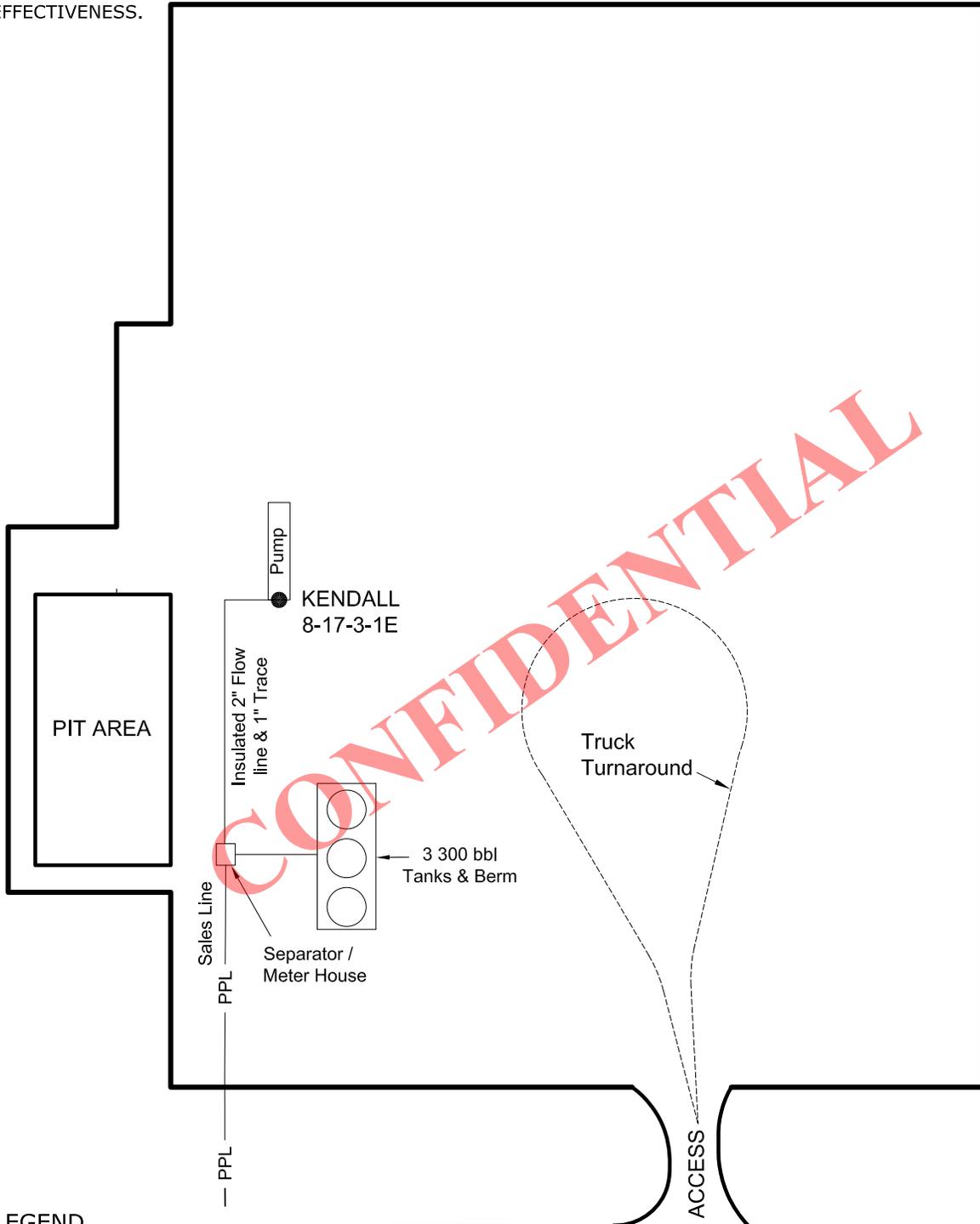
**LEGEND**

- = PROPOSED WELL LOCATION
- - - = EXISTING CONTOURS (1' INTERVALS)
- — — = PROPOSED CONTOURS (1' INTERVALS)
- PPL — = PROPOSED PIPELINE
- ⊗ = END OF BLOOIE LINE (MIN. 100' FROM WELL BORE)



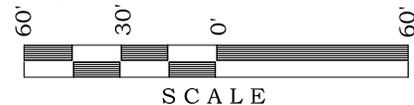
<p><b>CRESCENT POINT ENERGY</b> 555 17th Street, Suite 1800 - Denver, Colorado 80202</p>	<p>PAD FOOTPRINT AREA = ±2.975 ACRES</p> <p>PAD DISTURBANCE AREA (Cut/Fill Slopes, Stockpiles) = ±3.838 ACRES</p> <p>AREA WITHIN SURFACE DISTURBANCE BOUNDARY = ±4.771 ACRES</p>	<p>REFERENCE POINTS: 230' SOUTHERLY, EL = 4965.4' 280' SOUTHERLY, EL = 4966.1' 310' EASTERLY, EL = 4962.1' 360' EASTERLY, EL = 4961.8'</p>								
	<p><b>WELL PAD - LOCATION LAYOUT</b></p> <p><b>KENDALL 8-17-3-1E</b> <b>1806' FNL &amp; 660' FEL</b> <b>LOCATED IN SECTION 17, T3S, R1E,</b> <b>U.S.B.&amp;M., UINTAH COUNTY, UTAH.</b></p>	<p><b>ESTIMATED EARTHWORK QUANTITIES</b> (No shrink or swell adjustments have been used) (Expressed in Cubic Yards)</p> <p>6" Topsoil Stripping = 2,450</p> <p>Remaining Cut (Including Pit Material) = 2,830</p> <p><b>TOTAL CUT = 5,280</b></p> <p><b>FILL = 1,660</b></p> <p>Pit Backfill = 1,170, Excess Material = 0</p>	<p><b>TIMBERLINE</b> (435) 789-1365</p> <p>ENGINEERING &amp; LAND SURVEYING, INC. 209 NORTH 300 WEST - VERNAL, UTAH 84078</p> <table border="1"> <tr> <td>DATE SURVEYED: 9-18-14</td> <td>SURVEYED BY: A.F.</td> <td rowspan="2">SHEET NO: <b>2</b> OF 13</td> </tr> <tr> <td>DATE DRAWN: 10-14-14</td> <td>DRAWN BY: D.A.</td> </tr> <tr> <td colspan="2">SCALE: 1" = 60'</td> <td>Date Last Revised:</td> </tr> </table>	DATE SURVEYED: 9-18-14	SURVEYED BY: A.F.	SHEET NO: <b>2</b> OF 13	DATE DRAWN: 10-14-14	DRAWN BY: D.A.	SCALE: 1" = 60'	
DATE SURVEYED: 9-18-14	SURVEYED BY: A.F.	SHEET NO: <b>2</b> OF 13								
DATE DRAWN: 10-14-14	DRAWN BY: D.A.									
SCALE: 1" = 60'		Date Last Revised:								

NOTE:  
 PRODUCTION EQUIPMENT LOCATION  
 COULD VARY DUE TO SITE AND OPERATION  
 EFFECTIVENESS.



**LEGEND**

- = PROPOSED WELL LOCATION
- PPL — = PROPOSED PIPELINE

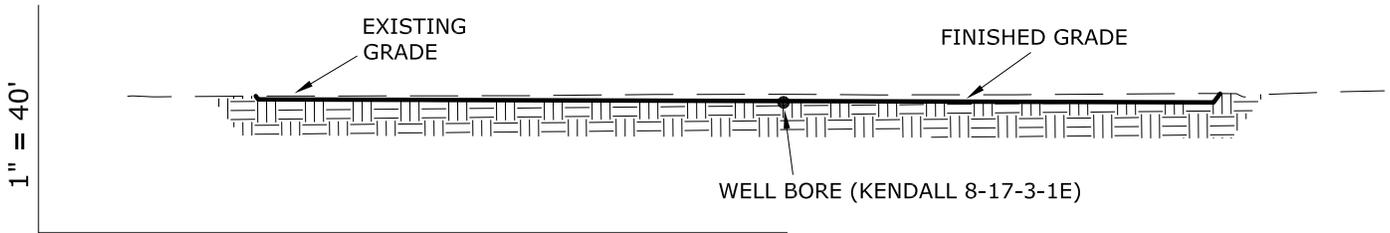


**CRESCENT POINT ENERGY**  
 555 17th Street, Suite 1800 - Denver, Colorado 80202

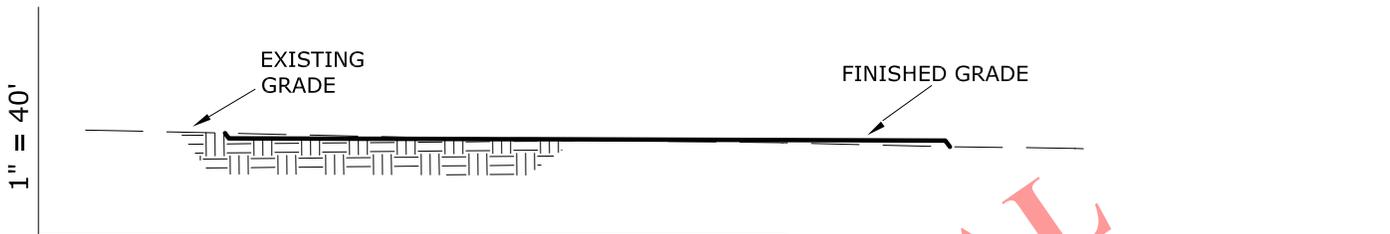
**WELL PAD - FACILITY DIAGRAM**

**KENDALL 8-17-3-1E**  
**1806' FNL & 660' FEL**  
**LOCATED IN SECTION 17, T3S, R1E,**  
**U.S.B.&M., UINTAH COUNTY, UTAH.**

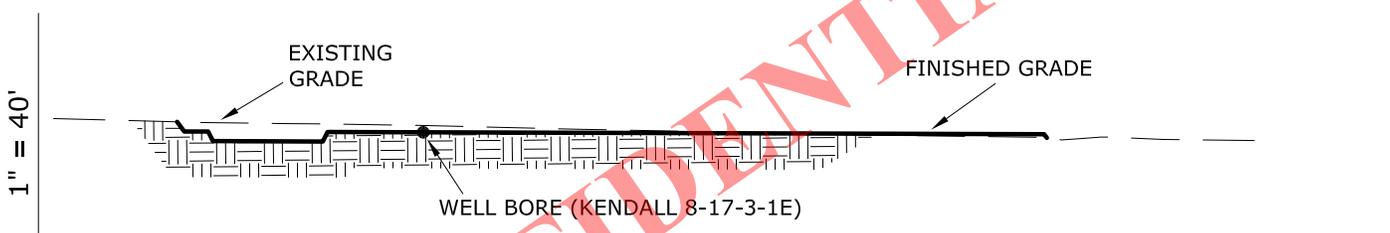
<b>TIMBERLINE</b>		(435) 789-1365
ENGINEERING & LAND SURVEYING, INC. 209 NORTH 300 WEST - VERNAL, UTAH 84078		
DATE SURVEYED: 9-18-14	SURVEYED BY: A.F.	<b>3</b> OF 13
DATE DRAWN: 10-14-14	DRAWN BY: D.A.	
SCALE: 1" = 60'	Date Last Revised:	



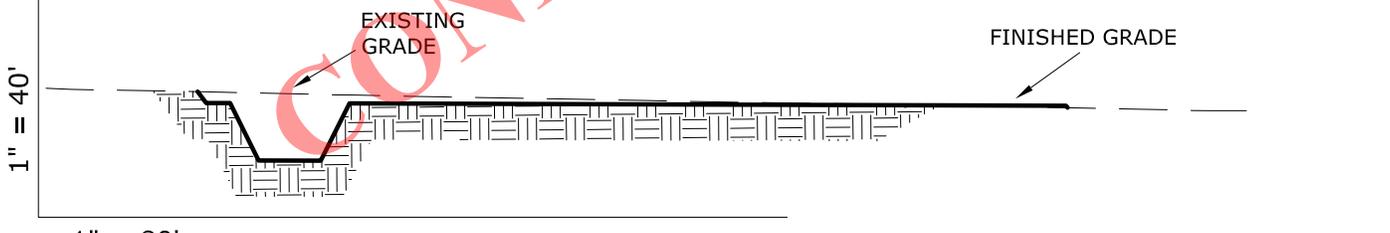
1" = 80' CROSS SECTION E-E'



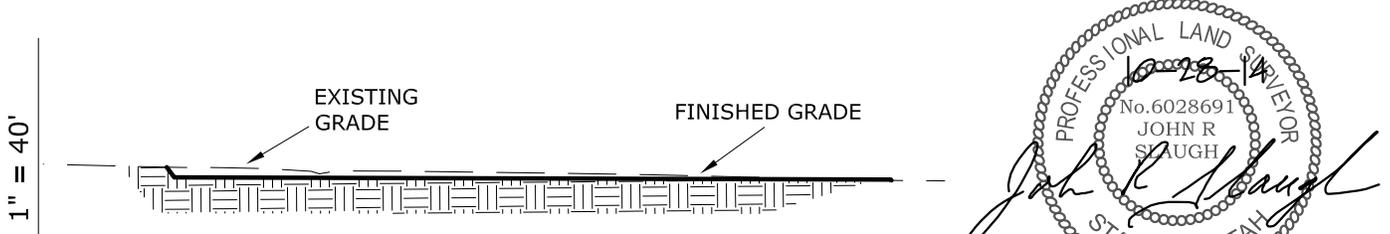
1" = 80' CROSS SECTION D-D'



1" = 80' CROSS SECTION C-C'

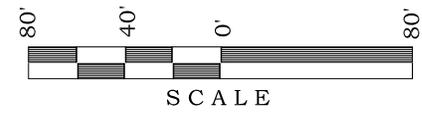
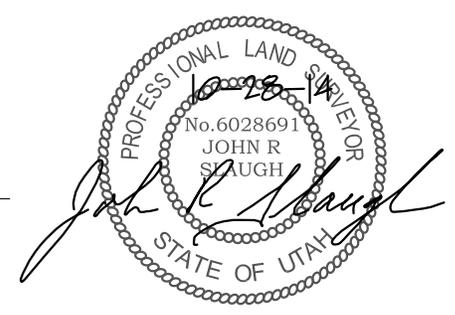


1" = 80' CROSS SECTION B-B'



1" = 80' CROSS SECTION A-A'

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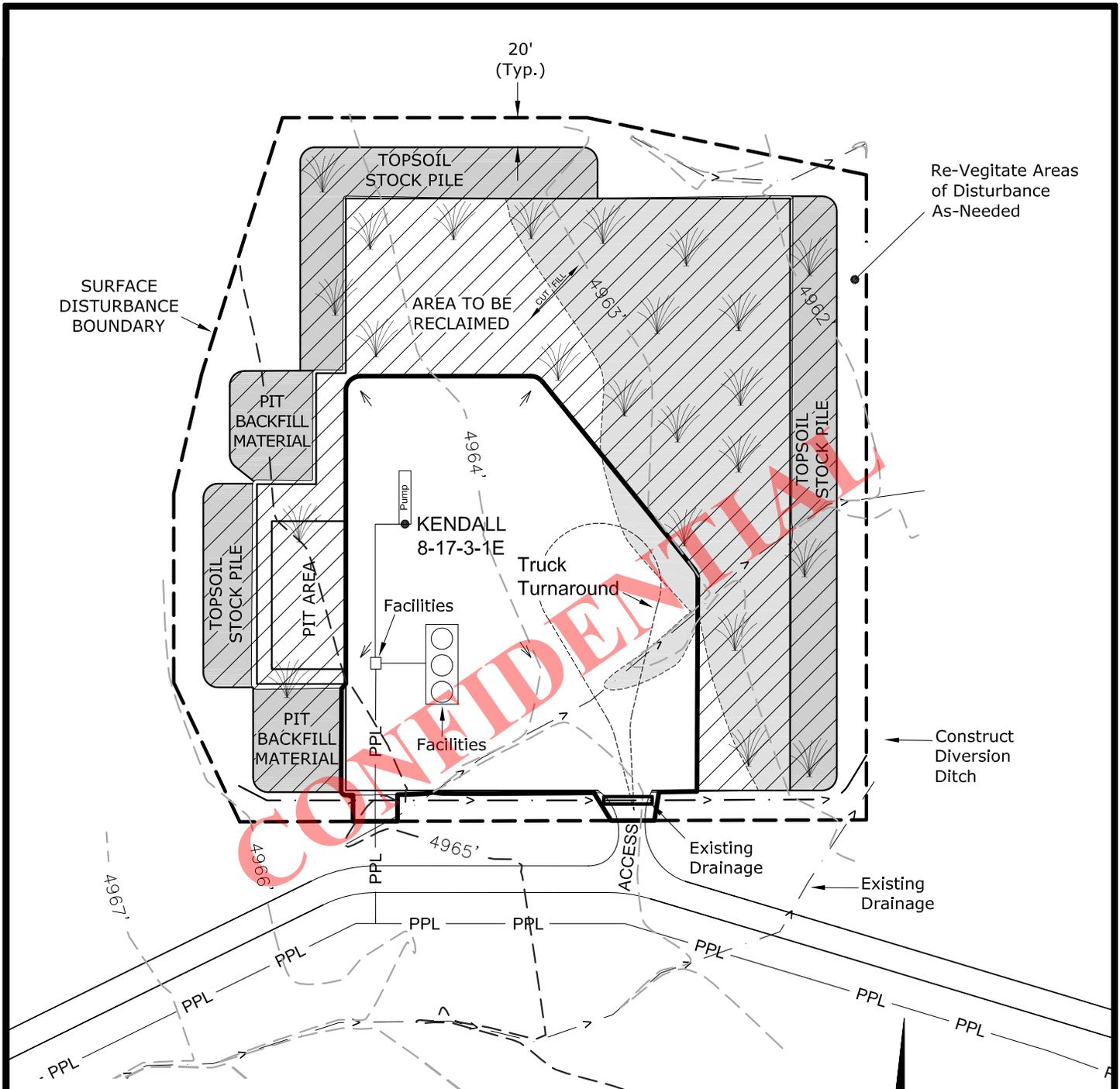
**CRESCENT POINT ENERGY**

555 17th Street, Suite 1800 - Denver, Colorado 80202

**WELL PAD - CROSS SECTION**

**KENDALL 8-17-3-1E**  
**1806' FNL & 660' FEL**  
**LOCATED IN SECTION 17, T3S, R1E,**  
**U.S.B.&M., UTAH COUNTY, UTAH.**

<b>TIMBERLINE</b>		(435) 789-1365
ENGINEERING & LAND SURVEYING, INC. 209 NORTH 300 WEST - VERNAL, UTAH 84078		
DATE SURVEYED: 9-18-14	SURVEYED BY: A.F.	SHEET NO: <b>4</b> OF 13
DATE DRAWN: 10-14-14	DRAWN BY: D.A.	
SCALE: 1" = 80'	Date Last Revised:	



Re-Vegetate Areas of Disturbance As-Needed

SURFACE DISTURBANCE BOUNDARY

AREA TO BE RECLAIMED

PIT BACKFILL MATERIAL

TOPSOIL STOCK PILE

PIT AREA

KENDALL 8-17-3-1E

Facilities

Truck Turnaround

Facilities

TOPSOIL STOCK PILE

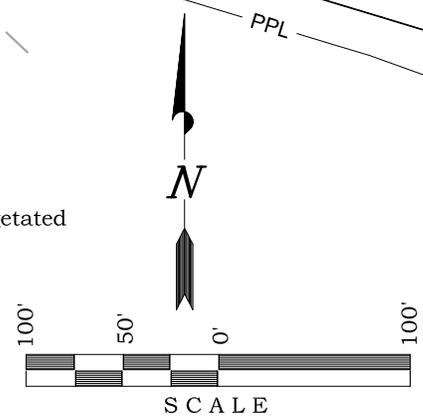
Construct Diversion Ditch

Existing Drainage

Existing Drainage

- NOTE:
1. PRODUCTION EQUIPMENT LOCATION COULD VARY DUE TO SITE AND OPERATION EFFECTIVENESS.
  2. AREA WITHIN SURFACE DISTURBANCE BOUNDARY: ±4.771 ACRES  
 RECLAIMED AREA: ±3.366 ACRES  
 UN-RECLAIMED AREA: ±1.405 ACRES

-  = Anchor
-  = Area to be Reclaimed and Vegetated
-  = CONTOURS (1' INTERVALS)
-  = PROPOSED PIPELINE



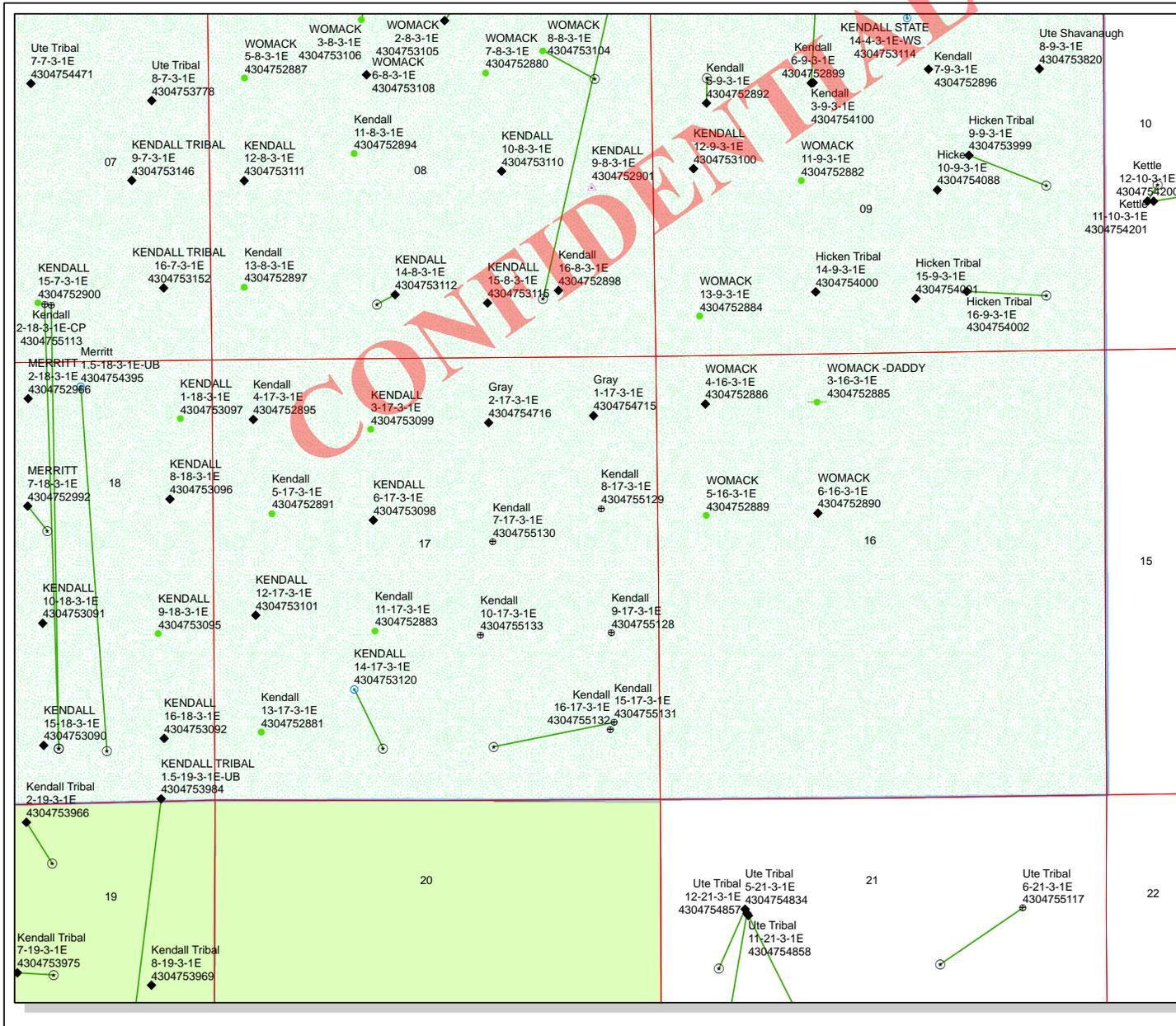
**CRESCENT POINT ENERGY**  
 555 17th Street, Suite 1800 - Denver, Colorado 80202

**INTERIM RECLAMATION DIAGRAM**

**KENDALL 8-17-3-1E**  
**1806' FNL & 660' FEL**  
**LOCATED IN SECTION 17, T3S, R1E,**  
**U.S.B.&M., UINTAH COUNTY, UTAH.**

**TIMBERLINE** (435) 789-1365  
 ENGINEERING & LAND SURVEYING, INC.  
 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 9-18-14	SURVEYED BY: A.F.	SHEET NO: <b>5</b> OF 13
DATE DRAWN: 10-14-14	DRAWN BY: D.A.	
SCALE: 1" = 100'	Date Last Revised:	



API Number: 4304755129

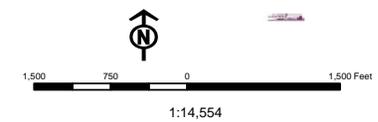
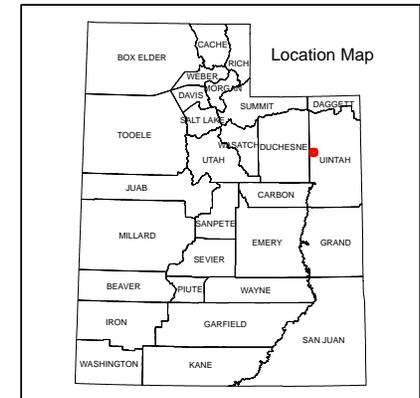
Well Name: Kendall 8-17-3-1E

Township: T03.0S Range: R01.0E Section: 17 Meridian: U

Operator: CRESCENT POINT ENERGY U.S. CORP

Map Prepared: 12/18/2014  
Map Produced by Diana Mason

Wells Query		Units		
	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	
	SOW - Shut-in Oil Well		TERMINATED	
	TA - Temp. Abandoned			
	TW - Test Well		<b>Fields</b>	
	WDW - Water Disposal		<b>STATUS</b>	
	WW - Water Injection Well			Unknown
	WSW - Water Supply Well			ABANDONED
				ACTIVE
				COMBINED
				INACTIVE
				STORAGE
				TERMINATED



Well Name	CRESCENT POINT ENERGY U.S. CORP Kendall 8-17-3-1E 430475512			
String	Cond	Surf	Prod	
Casing Size(")	16.000	8.625	5.500	
Setting Depth (TVD)	40	2000	9340	
Previous Shoe Setting Depth (TVD)	0	40	2000	
Max Mud Weight (ppg)	8.3	8.3	10.0	
BOPE Proposed (psi)	0	500	3000	
Casing Internal Yield (psi)	0	2950	7740	
Operators Max Anticipated Pressure (psi)	4857		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=		0	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Surf String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	863	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	623	NO diverter, air drilling
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	423	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	432	NO OK
Required Casing/BOPE Test Pressure=		2000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

Calculations	Prod String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	4857	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3736	NO 3M Ram Double BOP & Annular with Rot. Head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2802	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3242	NO OK
Required Casing/BOPE Test Pressure=		3000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		2000	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

**CRESCENT POINT ENERGY U.S. CORP**  
**Kendall 8-17-3-1E**  
**43047551290000**

*stip rot head  
stip variances*

8.625 " Casing  
2000 ' MD  
2000 ' TVD  
Surface ' TOC  
1500 ' Tail  
 17.5 % Washout  
 12.25 " Hole

*stip cnt*

5.5 " Casing  
9340 ' MD  
9340 ' TVD  
Surface ' TOC  
4707 ' Tail  
 3.8 % Washout  
 7.875 " Hole



Formation Depth (MD)  
 UINTA 0

BMSW 2300

GRRV 4701

MHGNY 5258

TGR3 6555

DGLSCRK 7421

CSTLPK 7960

UTLNDBTT 8232

WSTCH 8340

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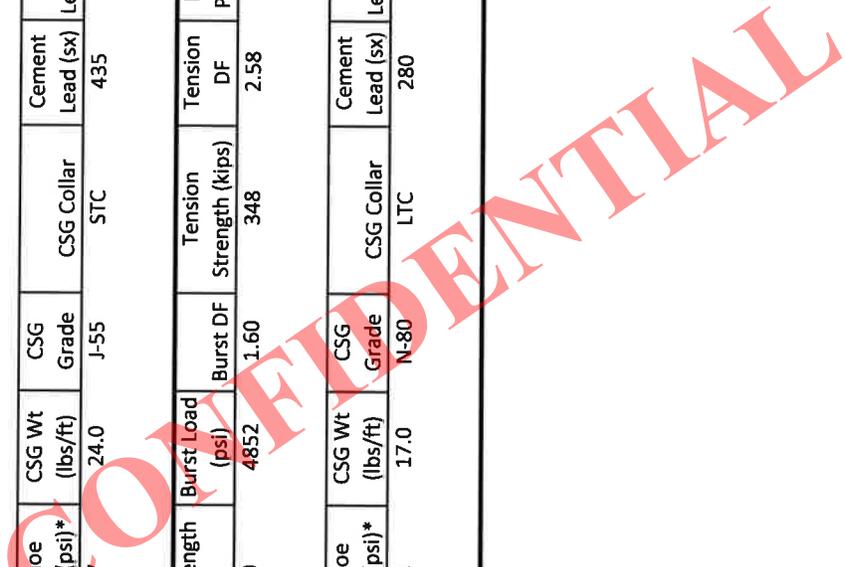
*no wpa, w/w*

**CRESCENT POINT ENERGY U.S. CORP**  
**Kendall 8-17-3-1E**  
**43047551290000**

1.125											1	1.8										
622	1370	862	1.59	2950	2000	1.48	244	5.08	1746	48.0	42.0											
8.3	0.12	3237	24.0	J-55	STC	435	315	1.15														
2797	6390	4852	1.32	7740	4852	1.60	348	2.58	7912	158.8	134.7											
10.0	0.22	4852	17.0	N-80	LTC	280	560	1.65														

8.625 " Casing

5.5 " Casing



# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** CRESCENT POINT ENERGY U.S. CORP  
**Well Name** Kendall 8-17-3-1E  
**API Number** 43047551290000      **APD No** 10891    **Field/Unit** INDEPENDENCE  
**Location: 1/4,1/4**SENE    **Sec** 17    **Tw** 3.0S    **Rng** 1.0E    1806 FNL 660 FEL  
**GPS Coord (UTM)** 593613 4453249      **Surface Owner** Mike Kendall

### Participants

Whitney Szabo - Starpoint; Chris Noonan , Mark Hecksel - Crescent Point; Trevor Anderson - Timberline; Mike Kendall - surface owner

### Regional/Local Setting & Topography

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

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

### Surface Use Plan

**Current Surface Use**  
Wildlfe Habitat

New Road Miles	Well Pad Width 360    Length 400	Src Const Material	Surface Formation
0.1		Onsite	UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?**      Y

### Environmental Parameters

**Affected Floodplains and/or Wetlands** Y  
very shallow almost sheet flow

### **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;  
greasewood and halogeton weeds

Wildlife;

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

### **Soil Type and Characteristics**

historically cultivated silty lean clays

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

<b>Distance to Groundwater (feet)</b>	100 to 200	5	
<b>Distance to Surface Water (feet)</b>	>1000	0	
<b>Dist. Nearest Municipal Well (ft)</b>	1320 to 5280	5	
<b>Distance to Other Wells (feet)</b>	>1320	0	
<b>Native Soil Type</b>	Mod permeability	10	
<b>Fluid Type</b>	Fresh Water	5	
<b>Drill Cuttings</b>	Normal Rock	0	
<b>Annual Precipitation (inches)</b>		0	
<b>Affected Populations</b>			
<b>Presence Nearby Utility Conduits</b>	Not Present	0	
	<b>Final Score</b>	25	1 Sensitivity Level

**Characteristics / Requirements**

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

**Closed Loop Mud Required?** N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** N**Other Observations / Comments**Chris Jensen  
Evaluator1/7/2015  
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
10891	43047551290000	LOCKED	OW	P	No
<b>Operator</b>	CRESCENT POINT ENERGY U.S. CORP		<b>Surface Owner-APD</b>	Mike Kendall	
<b>Well Name</b>	Kendall 8-17-3-1E		<b>Unit</b>		
<b>Field</b>	INDEPENDENCE		<b>Type of Work</b>	DRILL	
<b>Location</b>	SENE 17 3S 1E U 1806 FNL 660 FEL GPS Coord (UTM) 593611E 4453246N				

### Geologic Statement of Basis

Crescent Point proposes to set 40' of conductor and 2,000' of surface casing at this location. The base of the moderately saline water at this location is estimated to be at a depth of 2,300'. A search of Division of Water Rights records shows 2 water wells within a 10,000 foot radius of the center of Section 17. Depth is listed for only 1 well at 300 feet. Listed uses are domestic, irrigation and stock watering. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect ground water in this area.

Brad Hill  
APD Evaluator

1/21/2015  
Date / Time

### Surface Statement of Basis

Location is proposed in a good location within the spacing window. Access road enters the pad from the north. The landowner or its representative was in attendance for the pre-site inspection.

The soil type and topography at present do not combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions.

Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted.

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

The location should be bermed to prevent fluids from entering or leaving the confines of the pad. Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit. Submitted plans show a diversion for ephemeral streams that should be sufficient

Chris Jensen  
Onsite Evaluator

1/7/2015  
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.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

**CONFIDENTIAL**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/16/2014

API NO. ASSIGNED: 43047551290000

WELL NAME: Kendall 8-17-3-1E

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

PHONE NUMBER: 303 308-6270

CONTACT: Kristen Johnson

PROPOSED LOCATION: SENE 17 030S 010E

Permit Tech Review: 

SURFACE: 1806 FNL 0660 FEL

Engineering Review: 

BOTTOM: 1806 FNL 0660 FEL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.22441

LONGITUDE: -109.89973

UTM SURF EASTINGS: 593611.00

NORTHINGS: 4453246.00

FIELD NAME: INDEPENDENCE

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE/FEE - LPM9080271
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 43-12534
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

## LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhill  
12 - Cement Volume (3) - daynedoucet  
23 - Spacing - dmason  
27 - Other - daynedoucet



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. HAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** Kendall 8-17-3-1E

**API Well Number:** 43047551290000

**Lease Number:** Fee

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 3/17/2015

### Issued to:

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

### Authority:

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

### Duration:

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

### General:

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

### Conditions of Approval:

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

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

Cement volume for the 5-1/2" production string shall be determined from actual hole diameter in order to place tail cement from the pipe setting depth back to 4700' MD (above Green River) as indicated in the submitted drilling plan.

Health and safety requirements for drilling operations are covered under Utah rule R614-2. R614-2-20 covers safety procedures for air and gas drilling. Any variances to these rules (including requirements for bleed lines and air compressors) must be granted by the Utah Labor Commission (see R614-2-1.E). The request for a variance to not use a rotating head is denied.

**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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		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: Kendall 8-17-3-1E
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		9. API NUMBER: 43047551290000
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 , Denver, CO, 80202	PHONE NUMBER: 720 880-3621 Ext	9. FIELD and POOL or WILDCAT: INDEPENDENCE
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1806 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 17 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 checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/24/2015	<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
	<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 respectfully requests to shrink the Kendall 8-17-3-1E pad per the attached revised pad layout and cut sheets. There will be no changes to the surface hole location, and the pad and disturbance will be contained within the originally permitted footprint

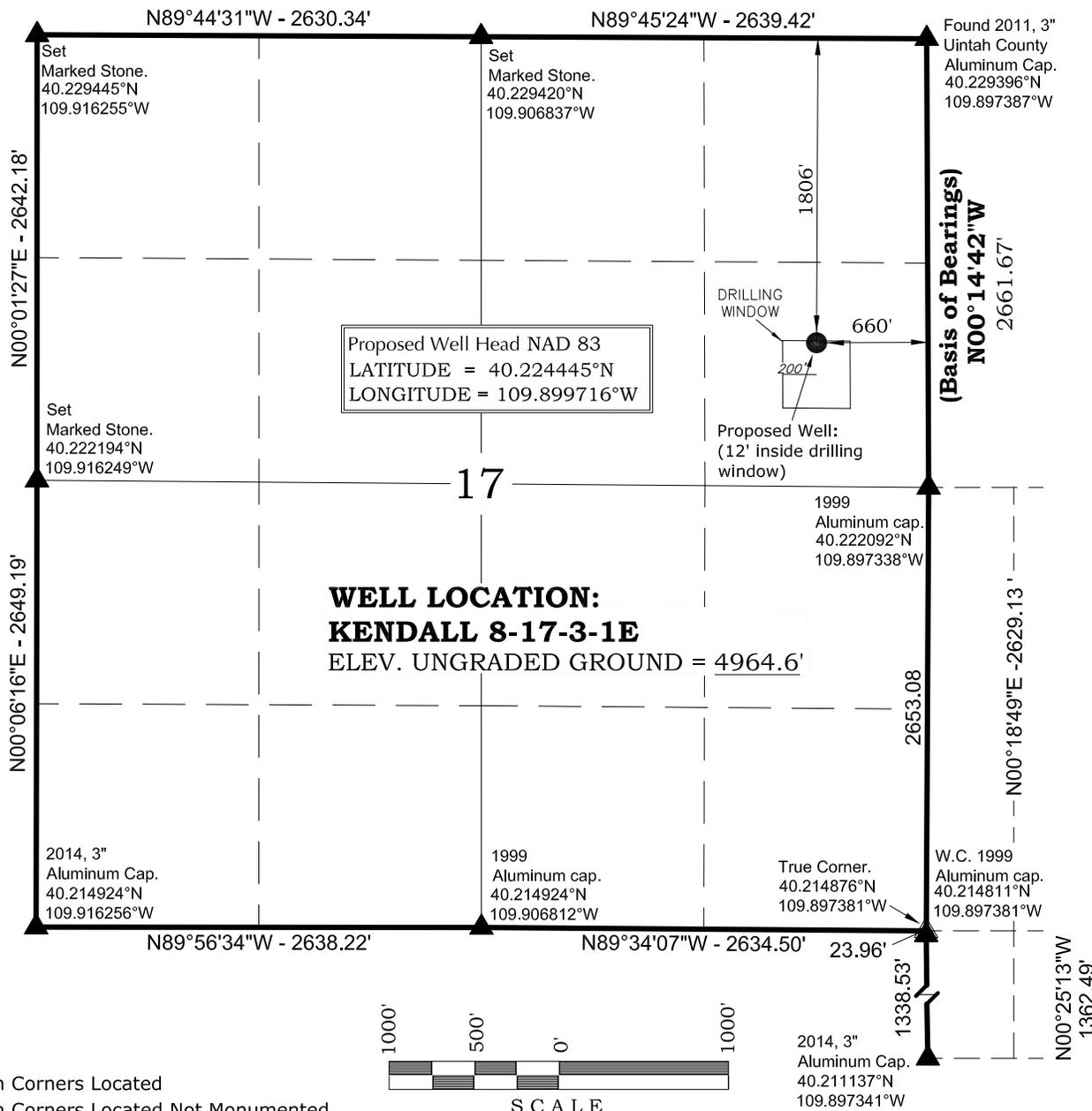
Approved by the  
 November 24, 2015  
 Oil, Gas and Mining

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

By: 

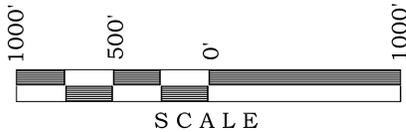
NAME (PLEASE PRINT) Kristen Johnson	PHONE NUMBER 303 308-6270	TITLE Regulatory Technician
SIGNATURE N/A	DATE 11/20/2015	

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



**NOTES:**

- ▲ = Section Corners Located
  - △ = Section Corners Located Not Monumented
1. Well footages are measured at right angles to the Section Lines.
  2. Bearings and distances shown on this plat are based upon a local Cartesian Grid which is oriented to Geodetic North at the SE Corner of Section 36, T3S, R1E, U.S.B.&M. the grid having a mean project height of 5,000'. Lineal units used are U.S. Survey Foot. Trimble G.P.S. equipment was used in performance of this survey.
  3. Latitude and Longitude are NAD 83 (2011) Epoch 2010. Elevations are NAVD 88. Both derived from the Utah Virtual Reference Station Control System (VRS).



**SURVEYOR'S CERTIFICATE**

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

PROFESSIONAL LAND SURVEYOR  
 LICENCE No. 6028691  
 STATE OF UTAH

JOHN R SAUGH  
 No. 6028691

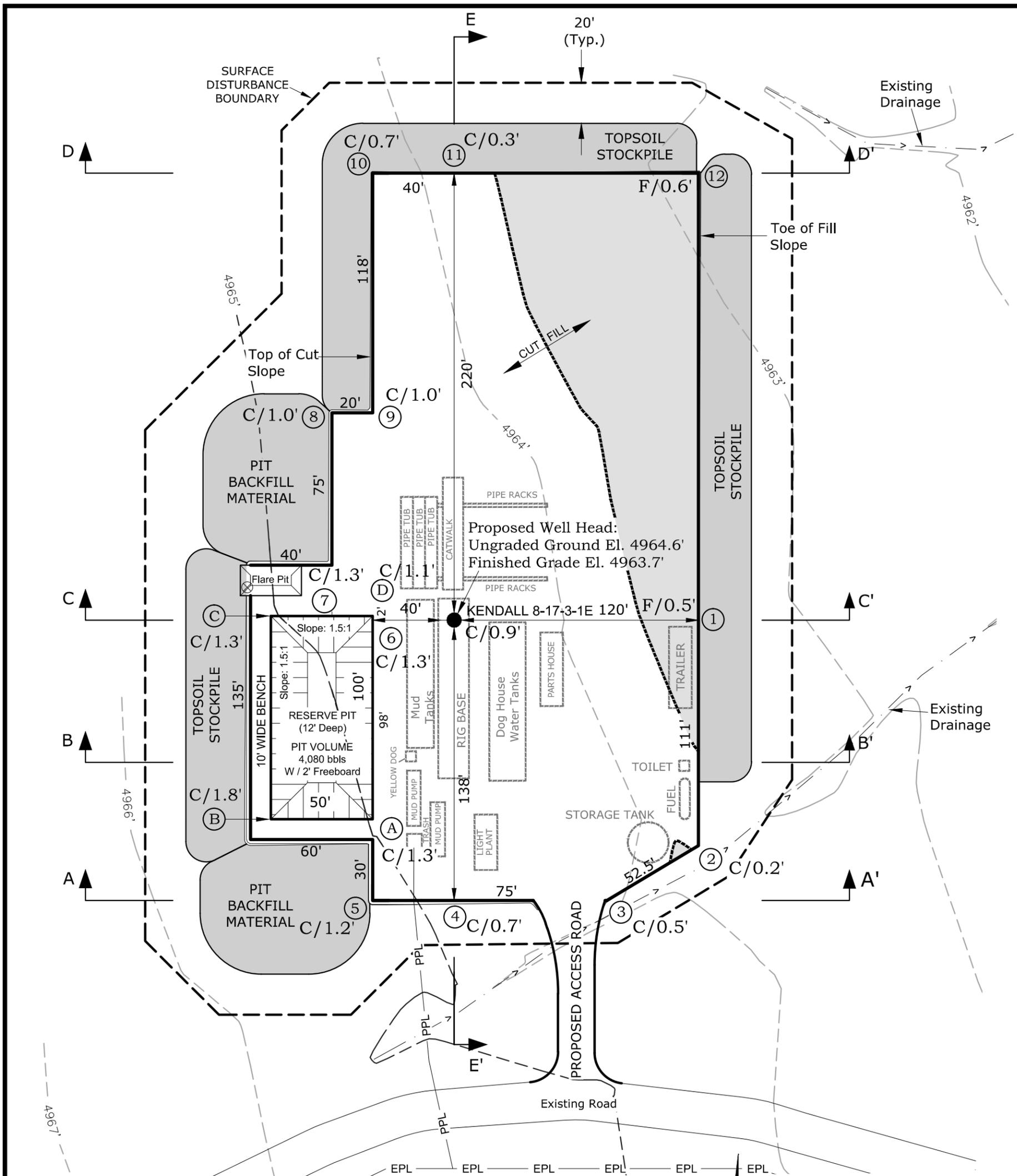
**CRESCENT POINT ENERGY**  
 555 17th Street, Suite 1800 - Denver, Colorado 80202

**WELL PLAT**

**KENDALL 8-17-3-1E**  
**1806' FNL, 660' FEL**  
**SE ¼ NE ¼ OF SECTION 17, T3S, R1E,**  
**U.S.B.&M., UINTAH COUNTY, UTAH.**

**TIMBERLINE** (435) 789-1365  
 ENGINEERING & LAND SURVEYING, INC.  
 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 9-18-14	SURVEYED BY: A.F.	SHEET NO: <b>1</b> OF 13
DATE DRAWN: 10-13-14	DRAWN BY: D.A.	
SCALE: 1" = 1000'	Date Last Revised:	



**LEGEND**

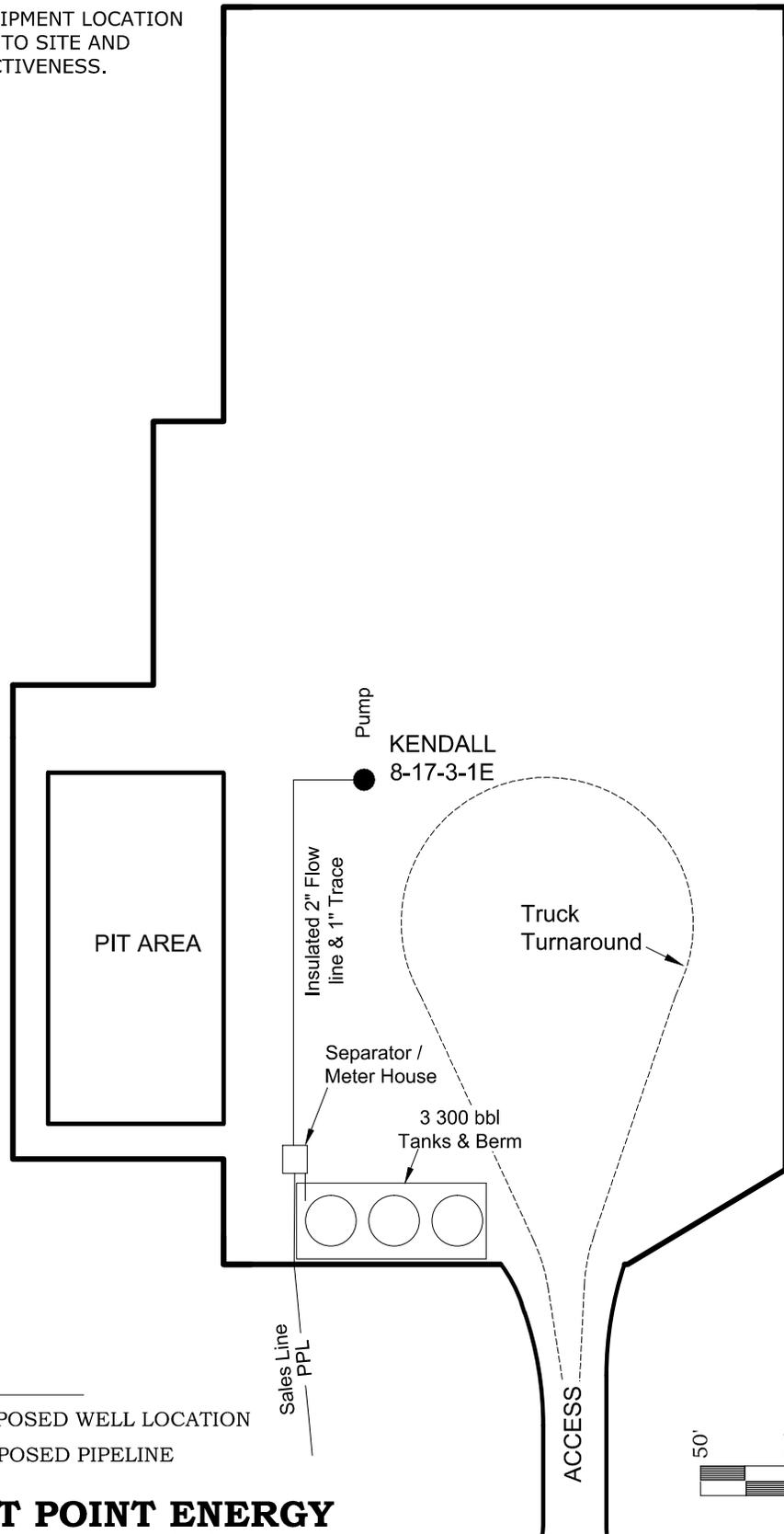
- = PROPOSED WELL LOCATION
- - - = EXISTING CONTOURS (1' INTERVALS)
- — — = PROPOSED CONTOURS (1' INTERVALS)
- PPL — = PROPOSED PIPELINE
- EPL — = EXISTING PIPELINE
- ⊗ = END OF BLOOIE LINE (MIN. 100' FROM WELL BORE)

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

**SCALE**  
60' 30' 0' 60'

<p><b>CRESCENT POINT ENERGY</b> 555 17th Street, Suite 1800 - Denver, Colorado 80202</p>	<p>PAD FOOTPRINT AREA = ±1.521 ACRES</p> <p>PAD DISTURBANCE AREA (Cut/Fill Slopes, Stockpiles) = ±2.225 ACRES</p> <p>AREA WITHIN SURFACE DISTURBANCE BOUNDARY = ±2.877 ACRES</p>	<p><b>REFERENCE POINTS:</b> 270' NORTHERLY, EL = 4963.6' 320' NORTHERLY, EL = 4964.1' 170' EASTERLY, EL = 4963.2' 220' EASTERLY, EL = 4962.7'</p>							
	<p><b>WELL PAD - LOCATION LAYOUT</b></p> <p><b>KENDALL 8-17-3-1E</b> <b>1806' FNL &amp; 660' FEL</b> <b>LOCATED IN SECTION 17, T3S, R1E,</b> <b>U.S.B.&amp;M., UINTAH COUNTY, UTAH.</b></p>		<p><b>ESTIMATED EARTHWORK QUANTITIES</b> (No shrink or swell adjustments have been used) (Expressed in Cubic Yards)</p> <p>6" Topsoil Stripping = 1,250</p> <p>Remaining Cut (Including Pit Material) = 1,780</p> <p><b>TOTAL CUT = 3,030</b></p> <p><b>FILL = 610</b></p> <p>Pit Backfill = 1,170, Excess Material = 0</p>	<p><b>TIMBERLINE</b> (435) 789-1365</p> <p><b>ENGINEERING &amp; LAND SURVEYING, INC.</b> 209 NORTH 300 WEST - VERNAL, UTAH 84078</p> <table border="1"> <tr> <td>DATE SURVEYED: 9-18-14</td> <td>SURVEYED BY: A.F.</td> <td rowspan="3">SHEET NO: <b>2</b> OF 13</td> </tr> <tr> <td>DATE DRAWN: 10-14-14</td> <td>DRAWN BY: D.A.</td> </tr> <tr> <td>SCALE: 1" = 60'</td> <td>Date Last Revised: 11-4-15 M.W.W.</td> </tr> </table>	DATE SURVEYED: 9-18-14	SURVEYED BY: A.F.	SHEET NO: <b>2</b> OF 13	DATE DRAWN: 10-14-14	DRAWN BY: D.A.
DATE SURVEYED: 9-18-14	SURVEYED BY: A.F.	SHEET NO: <b>2</b> OF 13							
DATE DRAWN: 10-14-14	DRAWN BY: D.A.								
SCALE: 1" = 60'	Date Last Revised: 11-4-15 M.W.W.								

NOTE:  
 PRODUCTION EQUIPMENT LOCATION  
 COULD VARY DUE TO SITE AND  
 OPERATION EFFECTIVENESS.



**LEGEND**

- = PROPOSED WELL LOCATION
- PPL — = PROPOSED PIPELINE

**CRESCENT POINT ENERGY**

555 17th Street, Suite 1800 - Denver, Colorado 80202

**WELL PAD - FACILITY DIAGRAM**

**KENDALL 8-17-3-1E**  
**1806' FNL & 660' FEL**  
**LOCATED IN SECTION 17, T3S, R1E,**  
**U.S.B.&M., Uintah County, UTAH.**

**TIMBERLINE**

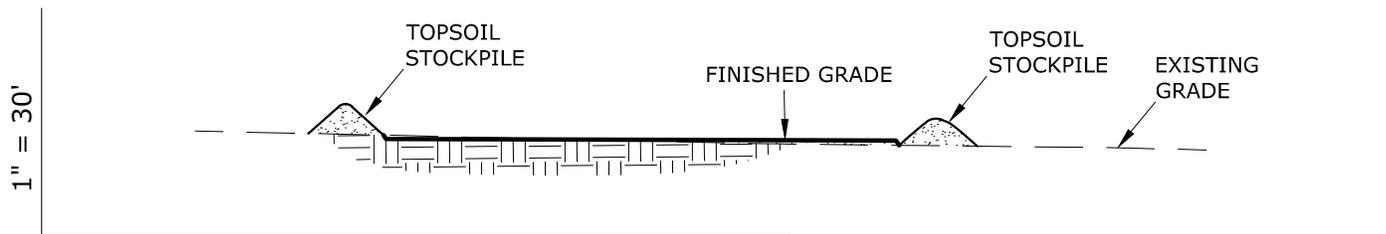
(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.  
 209 NORTH 300 WEST - VERNAL, UTAH 84078

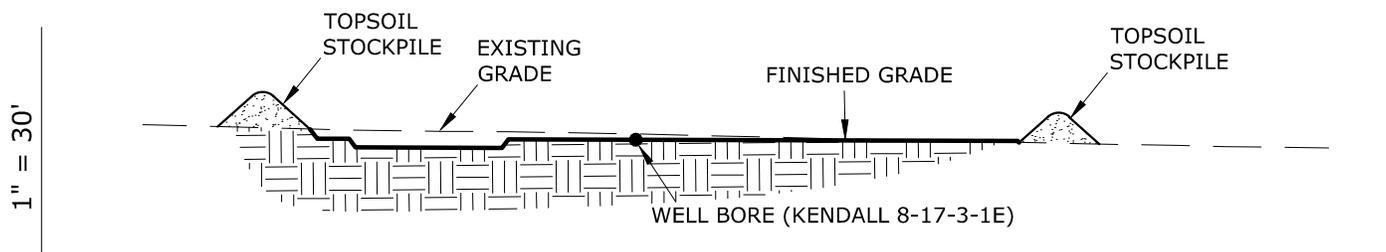
DATE SURVEYED: 9-18-14	SURVEYED BY: A.F.	SHEET NO: <b>3</b> OF 13
DATE DRAWN: 10-14-14	DRAWN BY: D.A.	
SCALE: 1" = 50'	Date Last Revised 11-4-15 M.W.W.	



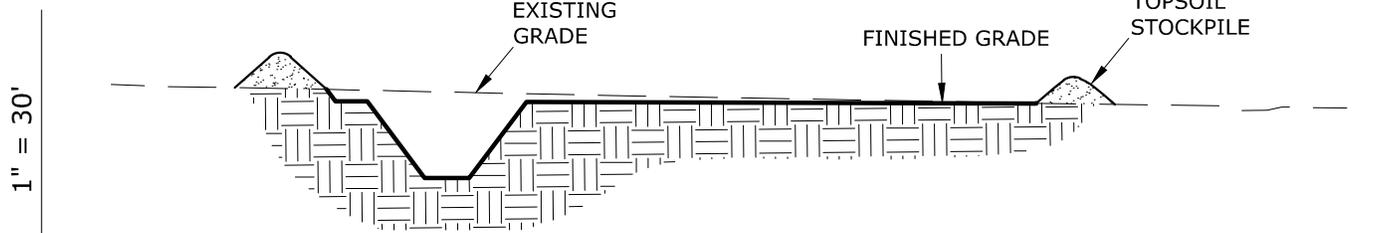
1" = 60' CROSS SECTION E-E'



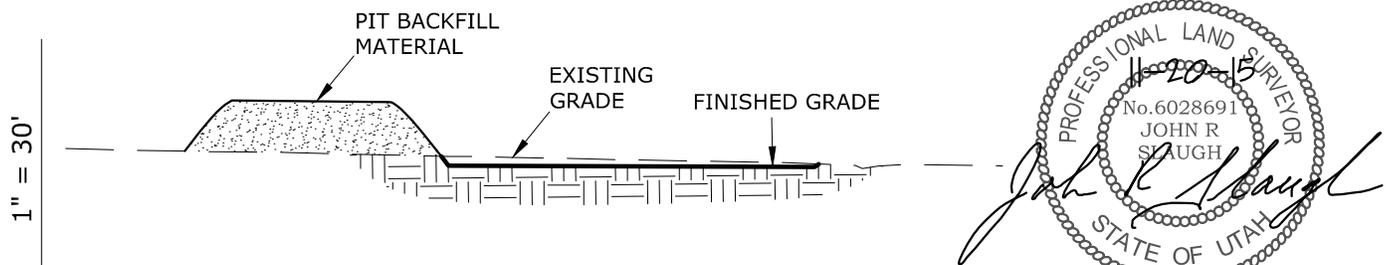
1" = 60' CROSS SECTION D-D'



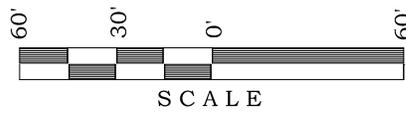
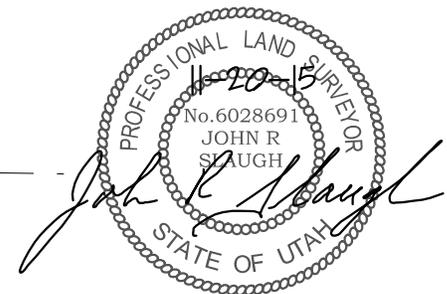
1" = 60' CROSS SECTION C-C'



1" = 60' CROSS SECTION B-B'



1" = 60' CROSS SECTION A-A'



**CRESCENT POINT ENERGY**

555 17th Street, Suite 1800 - Denver, Colorado 80202

**WELL PAD - CROSS SECTION**

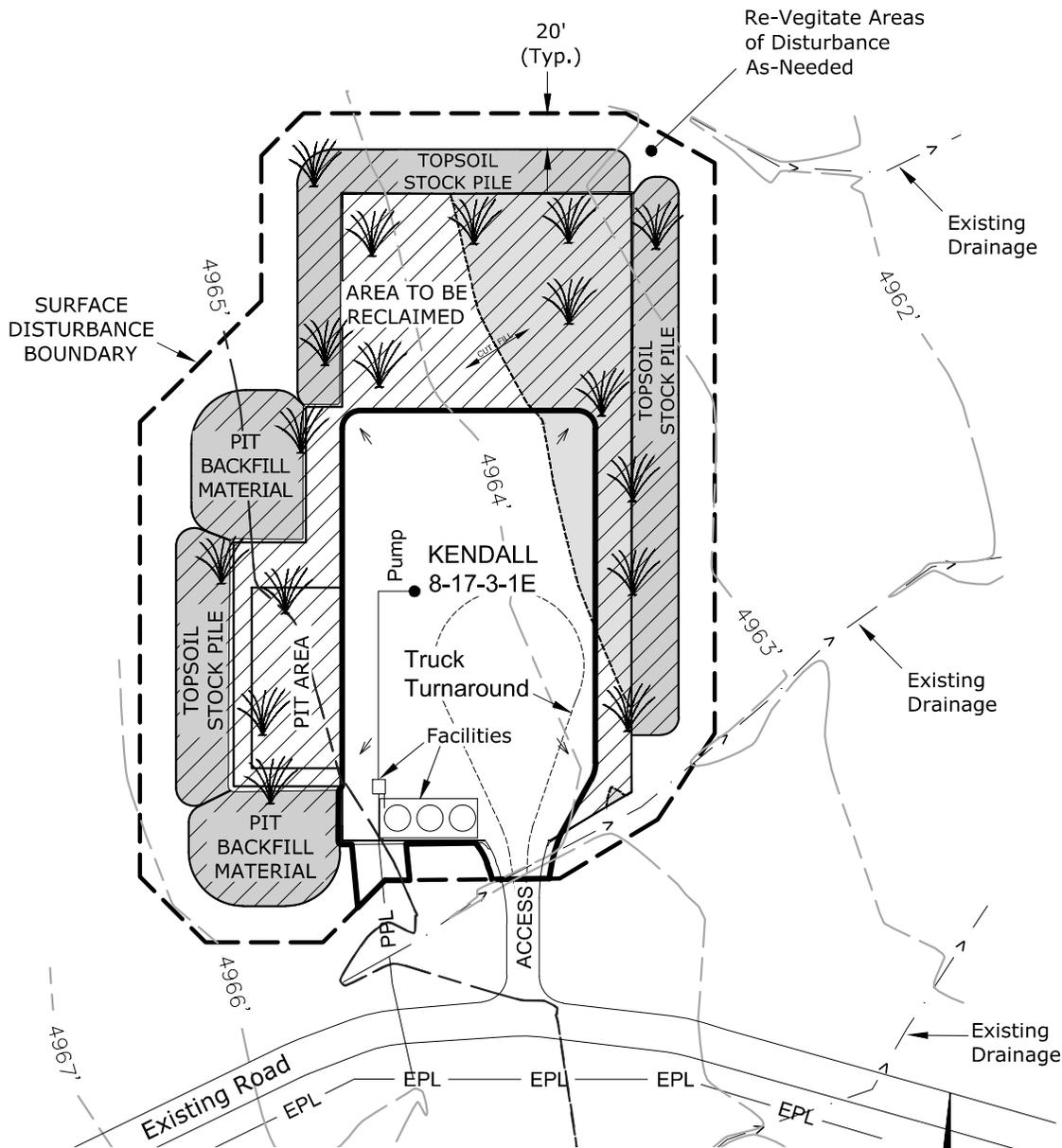
**KENDALL 8-17-3-1E**  
**1806' FNL & 660' FEL**  
**LOCATED IN SECTION 17, T3S, R1E,**  
**U.S.B.&M., UTAH COUNTY, UTAH.**

**TIMBERLINE**

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.  
 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 9-18-14	SURVEYED BY: A.F.	SHEET NO: <b>4</b> OF 13
DATE DRAWN: 10-14-14	DRAWN BY: D.A.	
SCALE: 1" = 60'	Date Last Revised: 11-4-15 M.W.W.	



**NOTE:**

1. PRODUCTION EQUIPMENT LOCATION  
COULD VARY DUE TO SITE AND  
OPERATION EFFECTIVENESS.

2. AREA WITHIN SURFACE DISTURBANCE  
BOUNDARY: ±2.877 ACRES  
RECLAIMED AREA: ±2.083 ACRES  
UN-RECLAIMED AREA: ±0.794 ACRES

↘ = Anchor

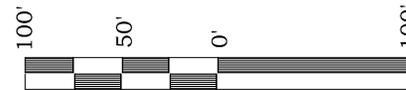


= Area to be Reclaimed and Vegetated

--- = CONTOURS (1' INTERVALS)

— PPL — = PROPOSED PIPELINE

— EPL — = EXISTING PIPELINE



SCALE

**CRESCENT POINT ENERGY**

555 17th Street, Suite 1800 - Denver, Colorado 80202

**INTERIM RECLAMATION DIAGRAM**

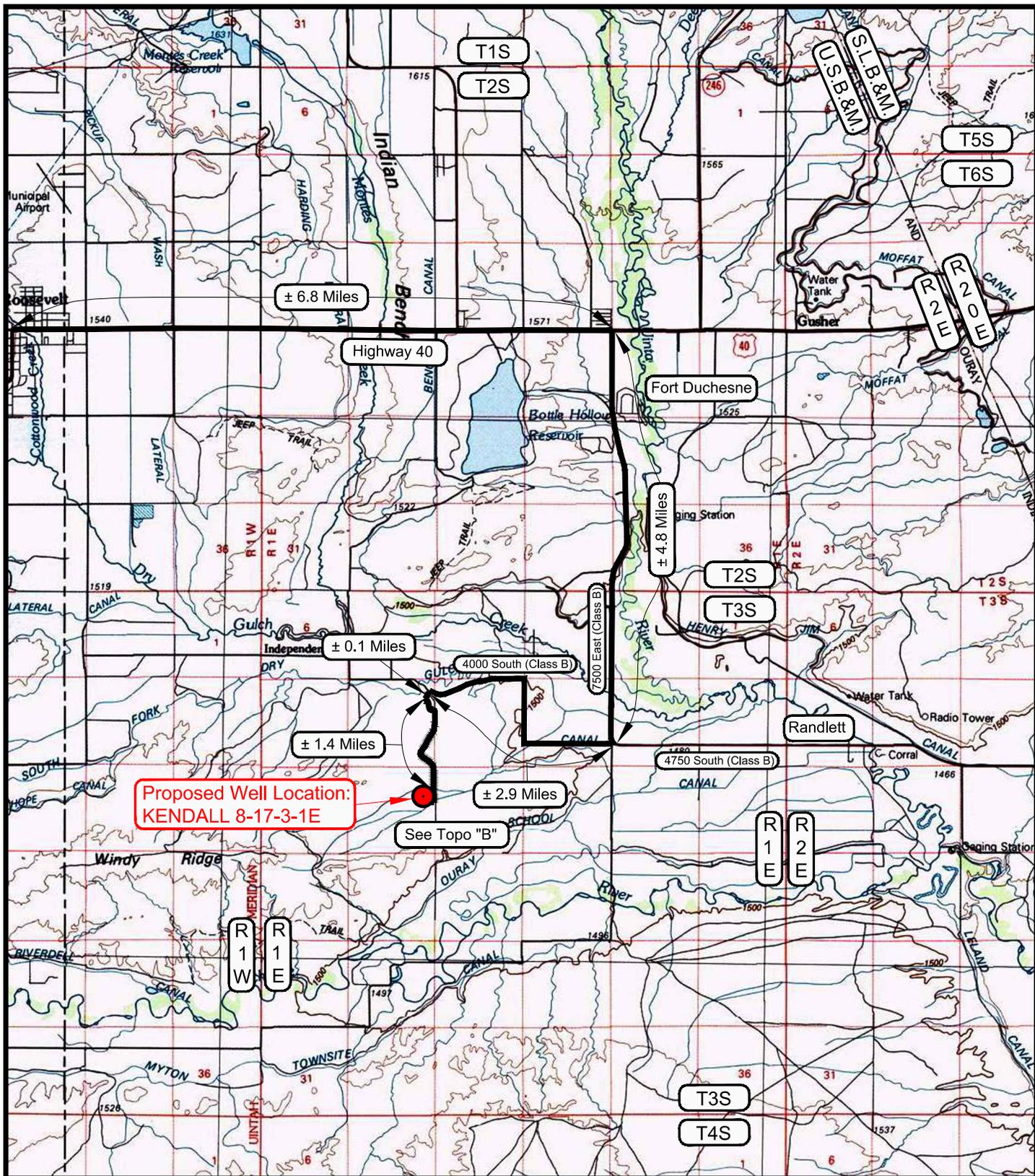
**KENDALL 8-17-3-1E**  
**1806' FNL & 660' FEL**  
**LOCATED IN SECTION 17, T3S, R1E,**  
**U.S.B.&M., UINTAH COUNTY, UTAH.**

**TIMBERLINE**

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.  
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 9-18-14	SURVEYED BY: A.F.	SHEET NO: <b>5</b> OF 13
DATE DRAWN: 10-14-14	DRAWN BY: D.A.	
SCALE: 1" = 100'	Date Last Revised: 11-4-15 M.W.W.	



Proposed Well Location:  
KENDALL 8-17-3-1E

**CRESCENT POINT ENERGY**  
555 17th Street, Suite 1800 - Denver, Colorado 80202

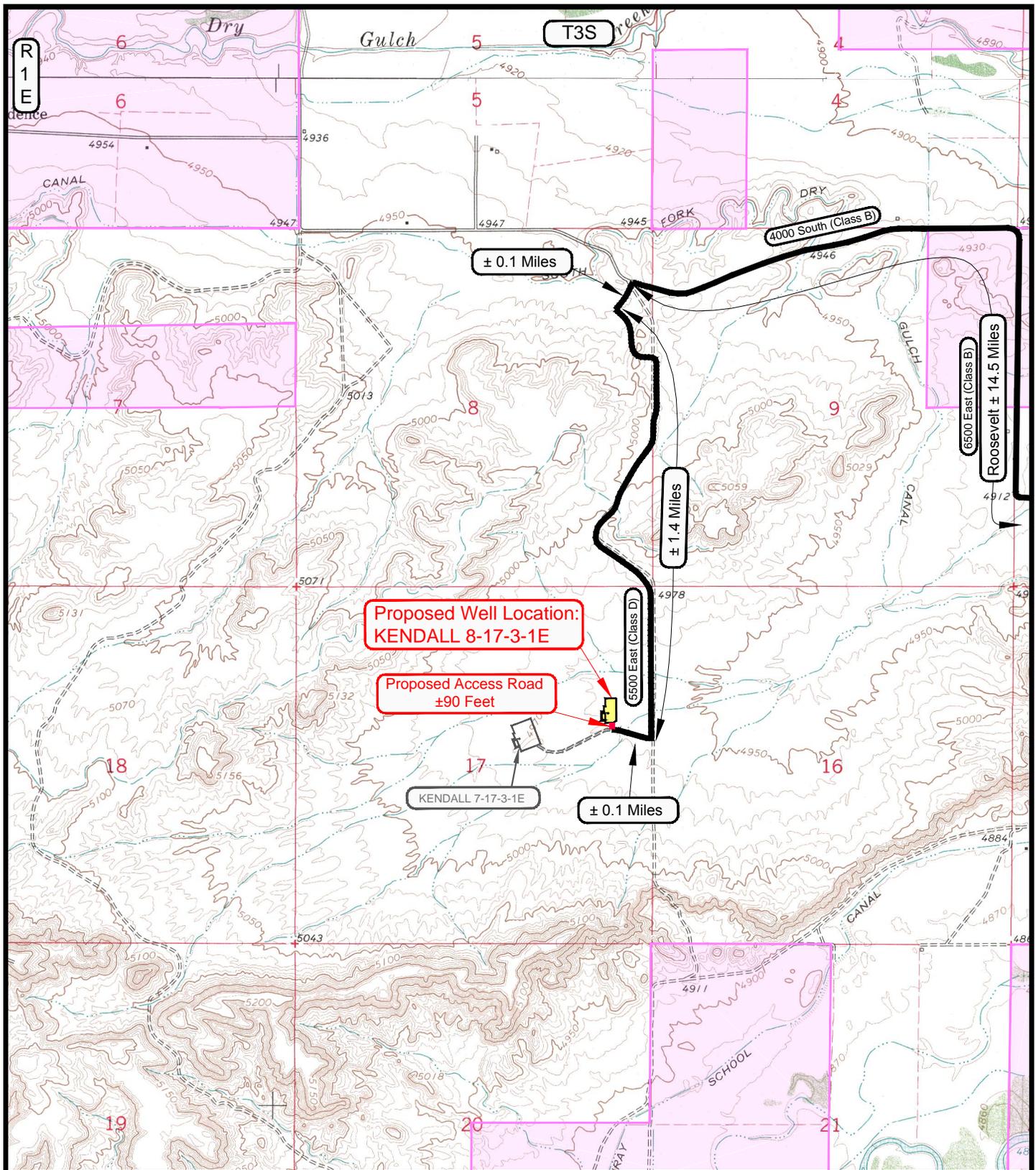
**WELL - KENDALL 8-17-3-1E**  
**1806' FNL & 660' FEL**  
**LOCATED IN SECTION 17, T3S, R1E,**  
**U.S.B.&M., UINTAH COUNTY, UTAH.**

**LEGEND**

PROPOSED ACCESS ROAD	— B-5460 — = COUNTY ROAD CLASS & NUMBER
— = SUBJECT WELL	
— = OTHER WELLS	
— = EXISTING ROAD	
— = EXISTING ROAD (TO BE IMPROVED)	

TOPOGRAPHIC MAP "A"	DATE SURVEYED: 9-18-14
SCALE: 1:100,000	DATE DRAWN: 10-14-14
DRAWN BY: D.A.	REVISED: 11-12-15 M.W.W.

**TIMBERLINE** (435) 789-1365 SHEET **6** OF 13  
ENGINEERING & LAND SURVEYING, INC.  
209 NORTH 300 WEST - VERNAL, UTAH 84078



**LEGEND**

- PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = OTHER WELLS
- = EXISTING ROAD
- = EXISTING ROAD (TO BE IMPROVED)
- = PROPOSED WELL
- = FEE
- = UTE INDIAN TRIBE
- (B-5460) = COUNTY ROAD CLASS & NUMBER
- = LEASE LINE AND / OR PROPERTY LINE

**CRESCENT POINT ENERGY**

555 17th Street, Suite 1800 - Denver, Colorado 80202

**WELL - KENDALL 8-17-3-1E**  
 1806' FNL & 660' FEL  
 LOCATED IN SECTION 17, T3S, R1E,  
 U.S.B.&M., UTAH COUNTY, UTAH.

TOPOGRAPHIC MAP "B"

DATE SURVEYED: 9-18-14

DATE DRAWN: 10-14-14

REVISED: 11-12-15 M.W.W.

SCALE: 1" = 2000'

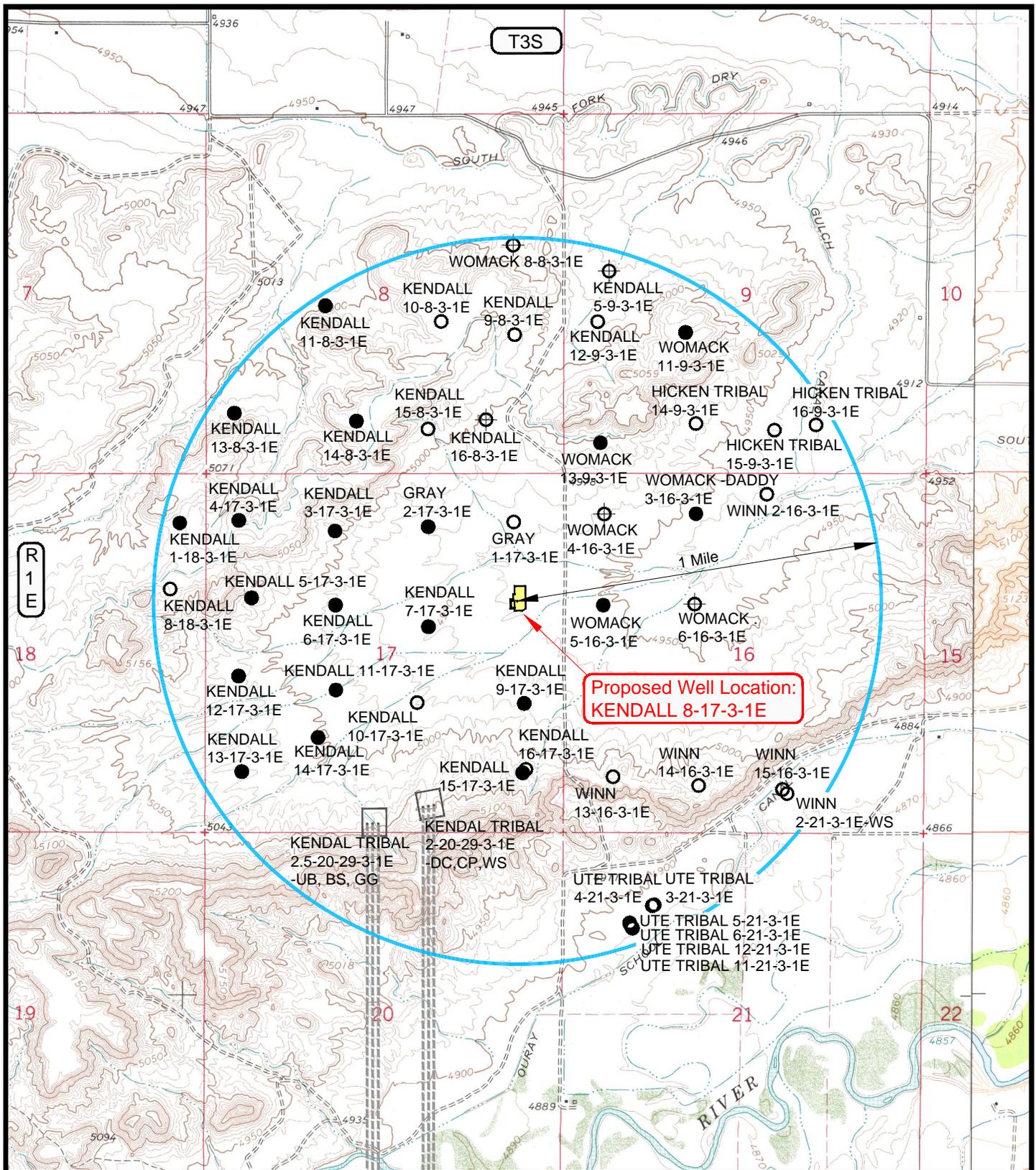
DRAWN BY: D.A.

**TIMBERLINE**

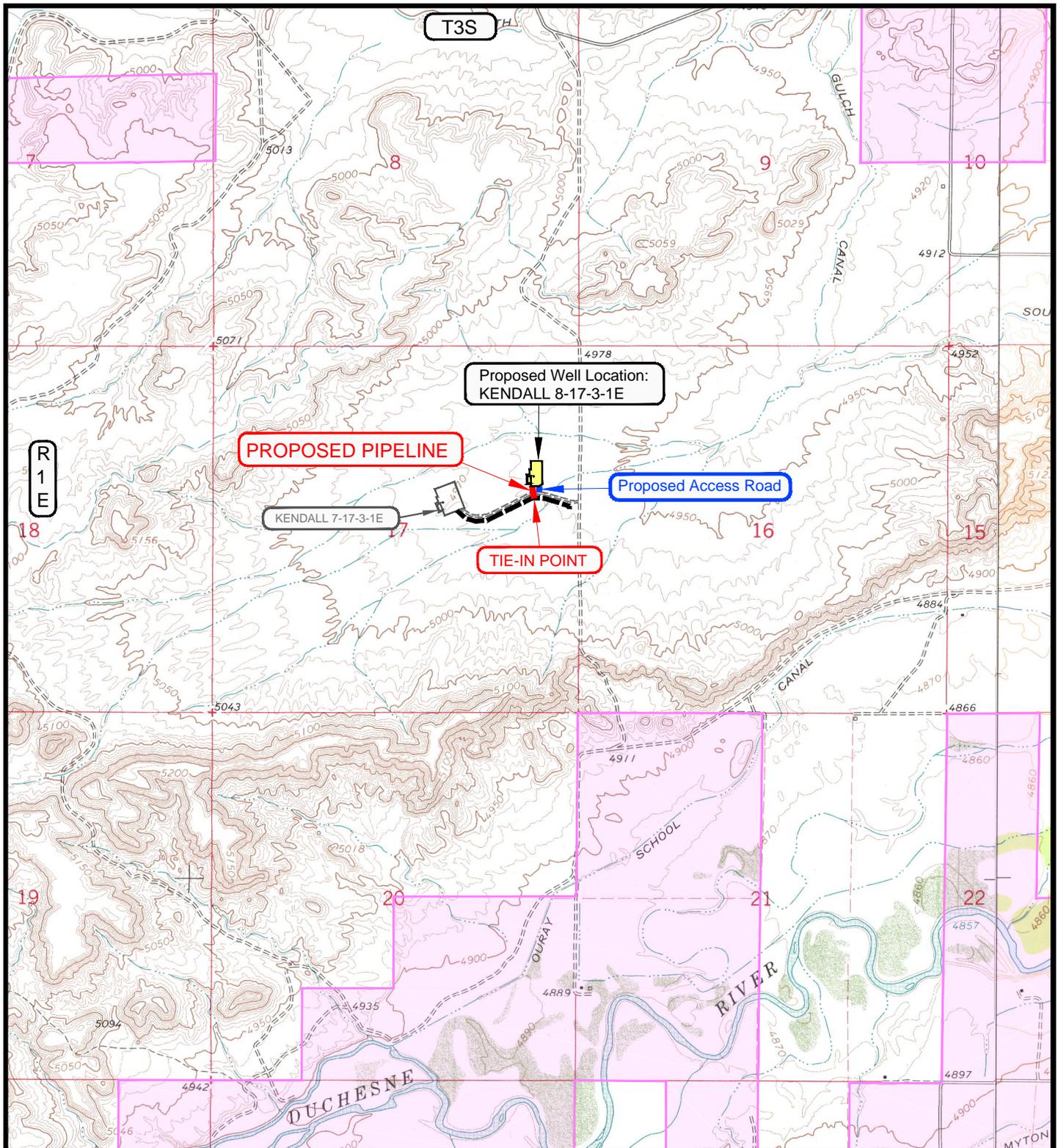
(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.  
 209 NORTH 300 WEST - VERNAL, UTAH 84078

SHEET  
**7**  
 OF 13



<b>LEGEND</b>		<b>CRESCENT POINT ENERGY</b> <i>555 17th Street, Suite 1800 - Denver, Colorado 80202</i>	
⊗ = DISPOSAL WELL	⊙ = WATER WELL	<b>WELL - KENDALL 8-17-3-1E</b>	
● = PRODUCING WELL	● = ABANDONED WELL	<b>1806' FNL &amp; 660' FEL</b>	
● = SHUT IN WELL	● = TEMPORARILY ABANDONED WELL	<b>LOCATED IN SECTION 17, T3S, R1E,</b>	
○ = PROPOSED WELL	⊕ = ABANDONED LOCATION	<b>U.S.B.&amp;M., UINTAH COUNTY, UTAH.</b>	
TOPOGRAPHIC MAP "C"		<b>TIMBERLINE</b> (435) 789-1365	
DATE SURVEYED: 9-18-14		ENGINEERING & LAND SURVEYING, INC.	
DATE DRAWN: 10-14-14		209 NORTH 300 WEST - VERNAL, UTAH 84078	
SCALE: 1" = 2000'		SHEET	
DRAWN BY: D.A.		<b>8</b>	
REVISED: 11-12-15		OF 13	



**APPROXIMATE PIPELINE LENGTH = ±135 FEET**

**LEGEND**

- = PROPOSED PIPELINE
- = OTHER PIPELINE
- = PROPOSED ACCESS ROAD
- = SUBJECT WELL
- = OTHER WELLS
- = FEE
- = UTE INDIAN TRIBE
- = LEASE LINE AND / OR PROPERTY LINE
- = PROPOSED WELL

**CRESCENT POINT ENERGY**

555 17th Street, Suite 1800 - Denver, Colorado 80202

**WELL - KENDALL 8-17-3-1E**  
**1806' FNL & 660' FEL**  
**LOCATED IN SECTION 17, T3S, R1E,**  
**U.S.B.&M., UINTAH COUNTY, UTAH.**

**TIMBERLINE**

(435) 789-1365

SHEET

ENGINEERING & LAND SURVEYING, INC.  
 209 NORTH 300 WEST - VERNAL, UTAH 84078

**9**  
OF 13

TOPOGRAPHIC MAP "D"

DATE SURVEYED: 9-18-14

DATE DRAWN: 10-14-14

REVISED: 11-12-15 M.W.W.

SCALE: 1" = 2000'

DRAWN BY: D.A.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> Fee
	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> Kendall 8-17-3-1E
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP	<b>9. API NUMBER:</b> 43047551290000
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750 , Denver, CO, 80202	<b>PHONE NUMBER:</b> 720 880-3621 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1806 FNL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 17 Township: 03.0S Range: 01.0E Meridian: U	<b>9. FIELD and POOL or WILDCAT:</b> INDEPENDENCE
	<b>COUNTY:</b> UINTAH
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>3/17/2016</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> <b>APD EXTENSION</b>
	<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 respectfully requests a one-year extension of the state drilling permit for the referenced well.

**Approved by the**  
**Feb Davis**, 2016  
**Oil, Gas and Mining**

**Date:** \_\_\_\_\_  
**By:** X  
signature

<b>NAME (PLEASE PRINT)</b> Kristen Johnson	<b>PHONE NUMBER</b> 303 308-6270	<b>TITLE</b> Regulatory Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 2/17/2016	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047551290000**

API: 43047551290000

Well Name: Kendall 8-17-3-1E

Location: 1806 FNL 0660 FEL QTR SENE SEC 17 TWP 030S RNG 010E MER U

Company Permit Issued to: CRESCENT POINT ENERGY U.S. CORP

Date Original Permit Issued: 3/17/2015

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Kristen Johnson

Date: 2/17/2016

Title: Regulatory Technician Representing: CRESCENT POINT ENERGY U.S. CORP

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Kendall 8-17-3-1E
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP	9. API NUMBER: 43047551290000
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: 1806 FNL 0660 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 17 Township: 03.0S Range: 01.0E Meridian: U	9. FIELD and POOL or WILDCAT: INDEPENDENCE
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>5/16/2016</b>	<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
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Crescent Point Energy requests approval to set 1000' of 8-5/8", 24#, J-55 surface casing (instead of 2000'). Production lead cement will be changed to 11.5 ppg to ensure competent cement across the BMSGW at 2387'

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: May 13, 2016

By: 

**Please Review Attached Conditions of Approval**

NAME (PLEASE PRINT) Kristen Johnson	PHONE NUMBER 303 308-6270	TITLE Regulatory Technician
SIGNATURE N/A	DATE 5/12/2016	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43047551290000**

**Production lead cement shall be brought up to at least 500' above the surface casing setting depth.**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>8. WELL NAME and NUMBER:</b> Kendall 8-17-3-1E
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047551290000
<b>PHONE NUMBER:</b> 720 880-3621 Ext		<b>9. FIELD and POOL or WILDCAT:</b> INDEPENDENCE
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1806 FNL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 17 Township: 03.0S Range: 01.0E Meridian: U		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input 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: 6/1/2016	<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
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	<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 Kendall 8-17-3-1E with Pro Petro bucket Rig #1 on 6/1/2016 at 8:30am.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
June 01, 2016**

<b>NAME (PLEASE PRINT)</b> Kristen Johnson	<b>PHONE NUMBER</b> 303 308-6270	<b>TITLE</b> Regulatory Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/1/2016	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
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<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>8. WELL NAME and NUMBER:</b> Kendall 8-17-3-1E	
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750 , Denver, CO, 80202		<b>9. API NUMBER:</b> 43047551290000	
<b>PHONE NUMBER:</b> 720 880-3621 Ext		<b>9. FIELD and POOL or WILDCAT:</b> INDEPENDENCE	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1806 FNL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENE Section: 17 Township: 03.0S Range: 01.0E Meridian: U		<b>COUNTY:</b> UINTAH	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/7/2016	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input checked="" type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Please see attached drill report for Kendall 8-17-3-1E, encompassing all drilling operations to date.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY July 08, 2016</b>			
<b>NAME (PLEASE PRINT)</b> Valari Crary	<b>PHONE NUMBER</b> 303 880-3637	<b>TITLE</b> Drilling And Completion Tech	
<b>SIGNATURE</b> N/A		<b>DATE</b> 7/7/2016	



### Daily Drilling Report

Report for: 6/1/2016  
 Report #: 1.0, DFS: -22.13  
 Depth Progress:

Well Name: KENDALL 8-17-3-1E

UWI/API 43-047-55129		Surface Legal Location 8-17-3-1		License #	
Spud Date 6/1/2016 08:30		Date TD Reached (wellbore)		Rig Release Date 7/1/2016 08:16	
				Ground Elevation (ft) 4,963.00	
				Orig KB Elev (ft) 4,975.00	
Completion Type					
Weather		Temperature (°F)		Road Condition	
				Hole Condition	
Operation At 6am W/O AIR RIG			Operation Next 24hrs		

AFE Number 1700416US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
Target Formation Wasatch	Target Depth (ftKB) 9,240.0
Last Casing String Conductor, 52.0ftKB	

24 Hr Summary  
 MIRU PRO PETRO BUCKET RIG #1, SPUD WELL @08:30 6/1/2016, DRILL 52' KB 26' CONDUCTOR HOLE, TOH, R/U & RUN 52' KB 16" CONDUCTOR PIPE, R/U & CEMENT CONDUCTOR PIPE BACK SURF W/ 15.8 PPG READY MIX, CEMENT STAYED @ SURF, R/D PRO PETRO BUCKET RIG #1

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

Daily Contacts	
Job Contact	Mobile

Rigs	
Capstar Drilling, 316	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Jake Straton	Phone Mobile

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

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

Drill Strings	
BHA #<stringno>, <des>	
Bit Run	Drill Bit
Length (ft)	IADC Bit Dull
TFA (incl Noz) (in²)	BHA ROP...

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

Nozzles (1/32")	String Length (ft)	Max Nominal OD (in)
String Components		
Comment		

Safety Checks		
Time	Type	Des

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

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



### Daily Drilling Report

Report for: 6/14/2016  
 Report #: 2.0, DFS: -9.13  
 Depth Progress:

Well Name: KENDALL 8-17-3-1E

UWI/API 43-047-55129		Surface Legal Location 8-17-3-1			License #							
Spud Date 6/1/2016 08:30		Date TD Reached (wellbore)		Rig Release Date 7/1/2016 08:16		Ground Elevation (ft) 4,963.00		Orig KB Elev (ft) 4,975.00				
Completion Type												
Weather			Temperature (°F)		Road Condition			Hole Condition				
Operation At 6am DRILLING 12 1/4" SURF HOLE @1032' KB					Operation Next 24hrs							
24 Hr Summary MIRU PRO PETRO RIG # 12,DRILL 12 1/4" SURF HOLE F/52' KB T/ 1032' KB (START DRILLING @16:30)												
<b>Time Log</b>												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
<b>Mud Checks</b>												
<depth>ftKB, <dtm>												
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)						
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)		Mud Lost to Hole (bbl)		Mud Lost to Surface (bbl)		Reserve Mud Volume (bbl)		Active Mud Volume (bbl)				
<b>Drill Strings</b>												
BHA #<stringno>, <des>												
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...							
Nozzles (1/32")			String Length (ft)		Max Nominal OD (in)							
String Components												
Comment												
<b>Drilling Parameters</b>												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq

AFE Number 1700416US		
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0	
Target Formation Wasatch	Target Depth (ftKB) 9,240.0	
Last Casing String Conductor, 52.0ftKB		
<b>Daily Contacts</b>		
Job Contact	Mobile	
<b>Rigs</b>		
Capstar Drilling, 316		
Contractor Capstar Drilling	Rig Number 316	
Rig Supervisor Jake Straton	Phone Mobile	
<des>, <make>, <model>		
Pump #	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)
<b>Mud Additive Amounts</b>		
Des	Field Est (Cost/unit)	Consumed
<b>Safety Checks</b>		
Time	Type	Des
<b>Wellbores</b>		
Wellbore Name	KO MD (ftKB)	
Original Hole		



### Daily Drilling Report

Report for: 6/15/2016  
 Report #: 3.0, DFS: -8.13  
 Depth Progress:

Well Name: KENDALL 8-17-3-1E

UWI/API 43-047-55129		Surface Legal Location 8-17-3-1		License #	
Spud Date 6/1/2016 08:30		Date TD Reached (wellbore)		Rig Release Date 7/1/2016 08:16	
				Ground Elevation (ft) 4,963.00	
				Orig KB Elev (ft) 4,975.00	
Completion Type					
Weather		Temperature (°F)		Road Condition	
				Hole Condition	
Operation At 6am W/O DRILLING RIG			Operation Next 24hrs		

AFE Number 1700416US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0
Target Formation Wasatch	Target Depth (ftKB) 9,240.0
Last Casing String Surface, 1,048.0ftKB	

24 Hr Summary  
 CONT T/DRILL 12 1/4" SURF HOLE T/1067' KB CLEAN HOLE, TOH, HOLD SAFTEY MEETING, R/U AND RUN 1048' KB 8 5/8" 24# SURF CSG, HOLD SAFTEY MEETING R/U PRO PETRO CEMENTERS, CEMENT 8 5/8" SURF CSG W/600 SKS 15.8 PPG 1.15 CUFT/SK CLASS "G" CEMENT(123 BBLs), DROP PLUG ON THE FLY, DISPLACE W/63 BBLs FRESH WATER, BUMP PLUG T/770 PSI, BLEED OFF, FLOAT HELD, FINAL LIFT PRESS 440 PSI, 39 BBLs GOOD CEMENT T/SURF, STAYED @ SURF R/D PRO PETRO RIG #12, W/O DRILLING RIG, NOTE:CHRIS JENESN W/UDOGM WITNESSED CEMENT JOB

Daily Contacts	
Job Contact	Mobile

Rigs	
Capstar Drilling, 316	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Jake Straton	Phone Mobile

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

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

Mud 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)		

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

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

Safety Checks		
Time	Type	Des

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

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



# Daily Drilling Report

Report for: 6/24/2016  
 Report #: 4.0, DFS: 0.88  
 Depth Progress: 1,783.00

Well Name: KENDALL 8-17-3-1E

UWI/API 43-047-55129		Surface Legal Location 8-17-3-1		License #	
Spud Date 6/1/2016 08:30		Date TD Reached (wellbore)		Rig Release Date 7/1/2016 08:16	
				Ground Elevation (ft) 4,963.00	
				Orig KB Elev (ft) 4,975.00	
Completion Type					
Weather worm		Temperature (°F) 83.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am Drilling @ 2850' 150 fph			Operation Next 24hrs Drill 7 7/8 prod. hole		
24 Hr Summary Move in rig up Capstar 316 nipple up & test bops pu dir. tools & bha trip in hole drill plug cement float & shoe drill formation f/1067' to 2850					

AFE Number 1700416US	
Start Depth (ftKB) 1,067.0	End Depth (ftKB) 2,850.0
Target Formation Wasatch	Target Depth (ftKB) 9,240.0
Last Casing String Surface, 1,048.0ftKB	
<b>Daily Contacts</b>	
Job Contact	Mobile
Scott Seely	435-828-1101
Doug Hackford	970-640-3882

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	09:00	3.00	3.00	1	RIGUP & TEARDOWN	Move in rig up Capstar #316
09:00	13:00	4.00	7.00	14	NIPPLE UP B.O.P	Nipple up bops
13:00	15:30	2.50	9.50	15	TEST B.O.P	Test bops pipe & blind rams choke all 3000 psi f/ 10 mins ann 1500 f/10 mins casing 1500 psi f/30 mins all ok
15:30	18:30	3.00	12.50	6	TRIPS	pick up bit motor dir. tools & all BHA trip in hole
18:30	19:30	1.00	13.50	9	CUT OFF DRILL LINE	Cut drilling line
19:30	21:00	1.50	15.00	22	OPEN	Drill plug cement float & shoe
21:00	06:00	9.00	24.00	2	DRILL ACTUAL	Drill 7 7/8 prod hole f/ 1067 to 2850 ( 198 fph ) w/18k on bit 390 gpm & 122 total rpms

<b>Rigs</b>		
<b>Capstar Drilling, 316</b>		
Contractor Capstar Drilling	Rig Number 316	
Rig Supervisor Jake Straton	Phone Mobile	
<b>&lt;des&gt;, &lt;make&gt;, &lt;model&gt;</b>		
Pump #	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)

<b>Mud Checks</b>						
<b>&lt;depth&gt;ftKB, 6/25/2016 08:45</b>						
Type Water Base	Time 08:45	Depth (ftKB)	Density (lb/gal) 8.40	Funnel Viscosity (s/qt) 28	PV Override (cP)	YP OR (lb/100ft²)
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

<b>Mud Additive Amounts</b>		
Des	Field Est (Cost/unit)	Consumed
ENGINEERING	275.00	1.0
TRAILER RENTAL	95.00	1.0

<b>Drill Strings</b>						
<b>BHA #1, Steerable</b>						
Bit Run 1	Drill Bit 7 7/8in, mm65m parts # 749681, 12687457	Length (ft) 1.00	IADC Bit Dull 1-1-1-----TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 89.1	
Nozzles (1/32") 16/16/16/16/16/16			String Length (ft) 789.49	Max Nominal OD (in) 6.500		
String Components security mm65m parts # 749681, 1-6.5" Hunting MM 1.5° ako .16 rev, 1- 7 3/4" 3 Pt. Reamer, 1-6.25" NMDC, 6.5" Gap Sub, 1-6.25" NMDC, 1-7 3/4" 3 Pt Reamer, 4-6 1/4" DC, 18-Jt 4 1/2 HWDP						
Comment Security MM65M 7 7/8 Ser # 12687457,- 6.5",7/8, 3.3 Stage 0.16 Rev.1.50° AKO MM, SER # 6214 - 7 3/4" 3 Pt. Reamer - 6.5" NMDC - 6.5" Gap Sub - 6.5" NMDC - 7 3/4" 3 pt Reamer - 4-6 1/4" x 2 5/16" DC -18 Jts. 4 1/2 HWDP						

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

<b>Drilling Parameters</b>												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	1,067.0	2,850.0	1,783.00	9.00	198.1	390	19	60	900.0	70	84	12.600.0

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



# Daily Drilling Report

Report for: 6/25/2016  
 Report #: 5.0, DFS: 1.88  
 Depth Progress: 2,800.00

Well Name: KENDALL 8-17-3-1E

UWI/API 43-047-55129	Surface Legal Location 8-17-3-1	License #
Spud Date 6/1/2016 08:30	Date TD Reached (wellbore)	Rig Release Date 7/1/2016 08:16
		Ground Elevation (ft) 4,963.00
		Orig KB Elev (ft) 4,975.00

Completion Type	Weather worm	Temperature (°F) 86.0	Road Condition Good	Hole Condition Good
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Operation At 6am  
 Drilling @5650 80 fph  
 24 Hr Summary  
 Drill prod. hole F/ 2850 to 5650 bgg 340-460 units conns 943-1850 peaf fg 1640 @ 5458 lithology 50% dolostone 30% sandstone 25% shale & 5% claystone  
 Operation Next 24hrs  
 Drill 7 7/8 prod. hole

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	14:00	8.00	8.00	2	DRILL ACTUAL	Drill 7 7/8 prod hole f/ 2850 to 4567 ( 149 fph ) w/18k on bit 390 gpm & 122 total rpms lost 33 bbls to seepage
14:00	14:30	0.50	8.50	7	LUBRICATE RIG	Rig service
14:30	03:00	12.50	21.00	2	DRILL ACTUAL	Drill 7 7/8 prod hole f/ 4567 to 5650 ( 87 fph ) w/18k on bit 390 gpm & 122 total rpms lost 80 bbls to seepage

Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
2.0ftKB, 6/25/2016 08:45	08:45	2.0	9.30	34		
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
				8.0		
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
		1,200.000				
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
1	7 7/8in, mm65m parts # 749681, 12687457	1.00	1-1-1-----TD	1.18	89.1
Nozzles (1/32")		String Length (ft)	Max Nominal OD (in)		
16/16/16/16/16/16		789.49	6.500		

String Components  
 security mm65m parts # 749681, 1-6.5" Hunting MM 1.5° ako .16 rev, 1- 7 3/4" 3 Pt. Reamer, 1-6.25" NMDC, 6.5" Gap Sub, 1-6.25" NMDC, 1-7 3/4" 3 Pt Reamer, 4-6 1/4" DC, 18-Jt 4 1/2 HWDP  
 Comment  
 Security MM65M 7 7/8 Ser # 12687457,- 6.5",7/8, 3.3 Stage 0.16 Rev.1.50° AKO MM, SER # 6214 - 7 3/4" 3 Pt. Reamer - 6.5" NMDC - 6.5" Gap Sub - 6.5" NMDC - 7 3/4" 3 pt Reamer - 4-6 1/4" x 2 5/16" DC -18 Jts. 4 1/2 HWDP

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	2,850.0	5,650.0	4,583.0	32.50	119.1	390	20	60	1,175.0	117	142	14,400.0

AFE Number 1700416US	Start Depth (ftKB) 2,850.0	End Depth (ftKB) 5,650.0
Target Formation Wasatch	Target Depth (ftKB) 9,240.0	

Last Casing String  
 Surface, 1,048.0ftKB

Daily Contacts	
Job Contact	Mobile
Scott Seely	435-828-1101
Doug Hackford	970-640-3882

Rigs	
Capstar Drilling, 316	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Jake Straton	Phone Mobile

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

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
CITRIC ACID	66.00	4.0
DAP	23.85	15.0
ENGINEERING	275.00	1.0
HiYeld GEL	6.70	20.0
PALLETS	18.00	21.0
SHRINK WRAP	18.00	21.0
TAX	1.00	244.0
TRAILER RENTAL	95.00	1.0
TRUCKING	1.00	1,600.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



### Daily Drilling Report

Report for: 6/26/2016  
 Report #: 6.0, DFS: 2.88  
 Depth Progress: 1,400.00

Well Name: KENDALL 8-17-3-1E

UWI/API 43-047-55129		Surface Legal Location 8-17-3-1		License #	
Spud Date 6/1/2016 08:30		Date TD Reached (wellbore)		Rig Release Date 7/1/2016 08:16	
				Ground Elevation (ft) 4,963.00	
				Orig KB Elev (ft) 4,975.00	
Completion Type					
Weather cooler		Temperature (°F) 78.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am Drilling at 7050' 55 fph			Operation Next 24hrs Drill 7 7/8 prod. hole		

AFE Number 1700416US	
Start Depth (ftKB) 5,650.0	End Depth (ftKB) 7,050.0
Target Formation Wasatch	Target Depth (ftKB) 9,240.0
Last Casing String Surface, 1,048.0ftKB	

24 Hr Summary  
 Drill & sliding prod. hole F/ 5650 to 7050 ( 59.5 fph ) bgg 150-230 units conns 906-1108 peaf fg 3038 at 5710' topped Mahogany at 5258 tgr3 -6555 Douglas creek - 7421 Black shale 7819 Lithology 40% sandstone 30% siltstone 20% shale 10% claystone

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	Drill 7 7/8 prod hole f/ 5650 to6368 ( 68.4 fph ) w/18k on bit 390 gpm & 122 total rpms lost 65 bbls to seepage
16:30	17:00	0.50	11.00	7	LUBRICATE RIG	Service rig
17:00	06:00	13.00	24.00	2	DRILL ACTUAL	Drilling and sliding 7 7/8 prod hole f/6368 to 7050 ( 52.5 fph ) w/18k on bit 390 gpm & 122 total rpms lost 220 bbls to seepage

Daily Contacts	
Job Contact	Mobile
Scott Seely	435-828-1101
Doug Hackford	970-640-3882

Mud Checks						
5,850.0ftKB, 6/26/2016 09:00						
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
Water Base	09:00	5,850.0	9.60	34	8.0	7.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
4.000	7.000	19.8		8.4	0.2	6.3
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
		1,700.000				
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		
	130.0					

Rigs	
Capstar Drilling, 316	
Contractor	Rig Number
Capstar Drilling	316
Rig Supervisor	Phone Mobile
Jake Straton	

Drill Strings						
BHA #1, Steerable						
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...	
1	7 7/8in, mm65m parts # 749681, 12687457	1.00	1-1-1-----TD	1.18	89.1	
Nozzles (1/32")		String Length (ft)		Max Nominal OD (in)		
16/16/16/16/16/16		789.49		6.500		
String Components						
security mm65m parts # 749681, 1-6.5" Hunting MM 1.5° ako .16 rev, 1- 7 3/4" 3 Pt. Reamer, 1-6.25" NMDC, 6.5" Gap Sub, 1-6.25" NMDC, 1-7 3/4" 3 Pt Reamer, 4-6 1/4" DC, 18-Jt 4 1/2 HWDP						
Comment						
Security MM65M 7 7/8 Ser # 12687457,- 6.5",7/8, 3.3 Stage 0.16 Rev.1.50° AKO MM, SER # 6214 - 7 3/4" 3 Pt. Reamer - 6.5" NMDC - 6.5" Gap Sub - 6.5" NMDC - 7 3/4" 3 pt Reamer - 4-6 1/4" x 2 5/16" DC -18 Jts. 4 1/2 HWDP						

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

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
ANCO DRILL	65.00	5.0
Bar Bulk	185.00	8.88
CI-300	72.00	1.0
DAP	23.85	80.0
Drill Pac HV	145.00	10.0
ENGINEERING	275.00	1.0
HiYeld GEL	6.70	200.0
Multi Seal	13.45	10.0
SAWDUST	3.10	70.0
TAX	1.00	539.0
TRAILER RENTAL	95.00	1.0
Xcide	120.25	2.0

Drilling Parameters												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	5,650.0	7,050.0	5,983.0	56.00	59.6	390	20	60	1,175.0	140	165	14,400.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



### Daily Drilling Report

Report for: 6/27/2016  
 Report #: 7.0, DFS: 3.88  
 Depth Progress: 1,500.00

Well Name: KENDALL 8-17-3-1E

UWI/API 43-047-55129		Surface Legal Location 8-17-3-1		License #	
Spud Date 6/1/2016 08:30		Date TD Reached (wellbore)		Rig Release Date 7/1/2016 08:16	
				Ground Elevation (ft) 4,963.00	
				Orig KB Elev (ft) 4,975.00	
Completion Type					
Weather clear		Temperature (°F) 49.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am Drilling @ 8550 57 fph			Operation Next 24hrs Drill 7 7/8 prod. hole td well pull out to log		

AFE Number 1700416US	
Start Depth (ftKB) 7,050.0	End Depth (ftKB) 8,550.0
Target Formation Wasatch	Target Depth (ftKB) 9,240.0
Last Casing String Surface, 1,048.0ftKB	

24 Hr Summary  
 Drill & sliding prod. hole F/ 7050 to 8550 ( 63.8 fph topped the Douglas creek @ 7421 Black shale 7819 Castle peak 7960 Uteland buttle 8232 & the Wasatch @ 8340 Drilling 40% shale 30% sandstone 15% siltstone 10% claystone & 5% limestone bgg 290-360 units conns 935 w/ peak fg 2248 @ 7795

<b>Daily Contacts</b>	
Job Contact	Mobile
Scott Seely	435-828-1101
Doug Hackford	970-640-3882

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	08:00	2.00	2.00	2	DRILL ACTUAL	Drilling and sliding 7 7/8 prod hole f/ 7050 to 7182 (66 fph) w/18k on bit 390 gpm & 122 total rpms lost 15 bbls to seepage
08:00	08:30	0.50	2.50	7	LUBRICATE RIG	Rig service
08:30	06:00	21.50	24.00	2	DRILL ACTUAL	Drilling and sliding 7 7/8 prod hole f/7182 to 8550 (63.6 fph) w/18k on bit 390 gpm & 122 total rpms lost 275 bbls to seepage

<b>Rigs</b>	
<b>Capstar Drilling, 316</b>	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Jake Straton	Phone Mobile

<b>Mud Checks</b>						
722.0ftKB, 6/27/2016 08:45						
Type Water Base	Time 08:45	Depth (ftKB) 722.0	Density (lb/gal) 9.70	Funnel Viscosity (s/qt) 36	PV Override (cP) 7.0	YP OR (lb/100ft²) 7.000
Gel 10 sec (lb/100ft²) 4.000	Gel 10 min (lb/100ft²) 7.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.2	Sand (%) 0.3	Solids (%) 7.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 2,100.000	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 285.0	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

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

<b>Drill Strings</b>						
<b>BHA #1, Steerable</b>						
Bit Run 1	Drill Bit 7 7/8in, mm65m parts # 749681, 12687457	Length (ft) 1.00	IADC Bit Dull 1-1-1-----TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 89.1	
Nozzles (1/32") 16/16/16/16/16/16			String Length (ft) 789.49	Max Nominal OD (in) 6.500		
String Components security mm65m parts # 749681, 1-6.5" Hunting MM 1.5° ako .16 rev, 1- 7 3/4" 3 Pt. Reamer, 1-6.25" NMDC, 6.5" Gap Sub, 1-6.25" NMDC, 1-7 3/4" 3 Pt Reamer, 4-6 1/4" DC, 18-Jt 4 1/2 HWDP						
Comment Security MM65M 7 7/8 Ser # 12687457,- 6.5",7/8, 3.3 Stage 0.16 Rev.1.50° AKO MM, SER # 6214 - 7 3/4" 3 Pt. Reamer - 6.5" NMDC - 6.5" Gap Sub - 6.5" NMDC - 7 3/4" 3 pt Reamer - 4-6 1/4" x 2 5/16" DC -18 Jts. 4 1/2 HWDP						

<b>Mud Additive Amounts</b>		
Des	Field Est (Cost/unit)	Consumed
CI-300	72.00	1.0
CITRIC ACID	66.00	2.0
DAP	23.85	85.0
Drill Pac HV	145.00	5.0
ENGINEERING	275.00	1.0
HiYeld GEL	6.70	196.0
Multi Seal	13.45	25.0
SAWDUST	3.10	145.0
TAX	1.00	445.0
TRAILER RENTAL	95.00	1.0
TRUCKING	1.00	800.0
Xcide	120.25	1.0

<b>Drilling Parameters</b>												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	7,050.0	8,550.0	7,483.0 0	79.50	63.8	390	18	60	1,550.0	163	178	14,80 0.0

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



### Daily Drilling Report

Report for: 6/28/2016  
 Report #: 8.0, DFS: 4.88  
 Depth Progress: 710.00

Well Name: KENDALL 8-17-3-1E

UWI/API 43-047-55129	Surface Legal Location 8-17-3-1	License #
Spud Date 6/1/2016 08:30	Date TD Reached (wellbore)	Rig Release Date 7/1/2016 08:16
		Ground Elevation (ft) 4,963.00
		Orig KB Elev (ft) 4,975.00

Completion Type	Weather Hot	Temperature (°F) 85.0	Road Condition Good	Hole Condition Good
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Operation At 6am Rig up loggers / log well	Operation Next 24hrs Log well run 5 1/2 prod casing cement well
-----------------------------------------------	--------------------------------------------------------------------

24 Hr Summary  
 Drill prod. hole F/ 8550 to 9260 ( 56.8 fph) bgg 235 units conns 363 peak fg 1165 @ 8734 last sample 40% claystone 30% shale 20% sandstone 10% claystone Cond hole spot kill pill pull out of hole ld dir. tools Rig up loggers

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	14:30	8.50	8.50	2	DRILL ACTUAL	Drill 7 7/8 prod hole f/ 8550 to 9063 (60 fph) w/18k on bit 390 gpm & 122 total rpms lost 73 bbls to seepage
14:30	15:00	0.50	9.00	7	LUBRICATE RIG	Rig service
15:00	19:00	4.00	13.00	2	DRILL ACTUAL	Drill 7 7/8 prod hole f/ 9063 to 9260 (49.25 fph) w/18k on bit 390 gpm & 122 total rpms lost 40 bbls to seepage
19:00	21:00	2.00	15.00	5	COND MUD & CIRC	Circ & cond hole f/ logs spot 11# kill mud up to 6000' pump dry job
21:00	00:00	3.00	18.00	6	TRIPS	Pull out of hole F/ logs
00:00	00:30	0.50	18.50	5	COND MUD & CIRC	Circ bottoms up Lost 50 bbl mud to hole
00:30	03:30	3.00	21.50	6	TRIPS	Pull on out lay bown dir.tools & bha
03:30	06:00	2.50	24.00	11	WIRELINE LOGS	Held Safety meeting & rig up Halliburton & start in hole

<b>Mud Checks</b>						
<depth>ftKB, 6/28/2016 08:45						
Type Water Base	Time 08:45	Depth (ftKB)	Density (lb/gal) 9.70	Funnel Viscosity (s/qt) 36	PV Override (cP) 10.0	YP OR (lb/100ft²) 8.000
Gel 10 sec (lb/100ft²) 4.000	Gel 10 min (lb/100ft²) 8.000	Filtrate (mL/30min)	Filter Cake (1/32") 2	pH 8.6	Sand (%) 0.3	Solids (%) 7.8
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 1,900.000	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 285.0	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

<b>Drill Strings</b>						
<b>BHA #1, Steerable</b>						
Bit Run 1	Drill Bit 7 7/8in, mm65m parts # 749681, 12687457	Length (ft) 1.00	IADC Bit Dull 1-1-1-----TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 89.1	
Nozzles (1/32") 16/16/16/16/16/16			String Length (ft) 789.49	Max Nominal OD (in) 6.500		
String Components security mm65m parts # 749681, 1-6.5" Hunting MM 1.5° ako .16 rev, 1- 7 3/4" 3 Pt. Reamer, 1-6.25" NMDC, 6.5" Gap Sub, 1-6.25" NMDC, 1-7 3/4" 3 Pt Reamer, 4-6 1/4" DC, 18-Jt 4 1/2 HWDP						

Comment  
 Security MM65M 7 7/8 Ser # 12687457,- 6.5",7/8, 3.3 Stage 0.16 Rev.1.50° AKO MM, SER # 6214 - 7 3/4" 3 Pt. Reamer - 6.5" NMDC - 6.5" Gap Sub - 6.5" NMDC - 7 3/4" 3 pt Reamer - 4-6 1/4" x 2 5/16" DC -18 Jts. 4 1/2 HWDP

<b>Drilling Parameters</b>												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	8,550.0	9,260.0	8,193.00	92.00	56.8	390	18	60	1,550.0	168	180	14,800.0

AFE Number 1700416US	
Start Depth (ftKB) 8,550.0	End Depth (ftKB) 9,260.0
Target Formation Wasatch	Target Depth (ftKB) 9,240.0
Last Casing String Surface, 1,048.0ftKB	

<b>Daily Contacts</b>	
Job Contact	Mobile
Scott Seely	435-828-1101
Doug Hackford	970-640-3882

<b>Rigs</b>	
<b>Capstar Drilling, 316</b>	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Jake Straton	Phone Mobile

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

<b>Mud Additive Amounts</b>		
Des	Field Est (Cost/unit)	Consumed
ANCO DRILL	65.00	1.0
CF Desco	54.18	1.0
Drill Pac HV	145.00	8.0
ENGINEERING	275.00	1.0
HiYeld GEL	6.70	25.0
Multi Seal	13.45	13.0
Nut Shell	8.50	4.0
SAWDUST	3.10	85.0
TAX	1.00	181.0
TRAILER RENTAL	95.00	1.0
Xcide	120.25	3.0

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

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



## Daily Drilling Report

Report for: 6/29/2016

Report #: 9.0, DFS: 5.88

Depth Progress:

Well Name: KENDALL 8-17-3-1E

UWI/API 43-047-55129		Surface Legal Location 8-17-3-1		License #								
Spud Date 6/1/2016 08:30		Date TD Reached (wellbore)		Rig Release Date 7/1/2016 08:16								
				Ground Elevation (ft) 4,963.00								
				Orig KB Elev (ft) 4,975.00								
Completion Type												
Weather worm & windy		Temperature (°F) 79.0		Road Condition Good								
				Hole Condition Good								
Operation At 6am Rig up to run casing			Operation Next 24hrs Run 9245' of 5 1/2 17# L-80 casing land & cement nipple down clean pit & release rig									
24 Hr Summary Logs tag @ 1386 ld logging tools trip in Ream out bridge @ 2740 trip on in to 6150 pull above kill pill circ hole clean lost 260 bbls trip out & log & log well f/ 9240												
<b>Time Log</b>												
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com						
06:00	07:30	1.50	1.50	11	WIRELINE LOGS	Logs tag @ 1386' pull out ld logging tools						
07:30	14:30	7.00	8.50	6	TRIPS	Pick up clean out bit & trip in hole bridge @ 1386 them reamed 1 out @ 2740' trip on in to 9150 no tag						
14:30	17:00	2.50	11.00	6	TRIPS	Pull out of hole						
17:00	19:30	2.50	13.50	5	COND MUD & CIRC	Circ & cond. hole @ 5600' lost 260 bbls check for flow & pump dry job						
19:30	23:00	3.50	17.00	6	TRIPS	Pull on out for logs						
23:00	06:00	7.00	24.00	11	WIRELINE LOGS	held safety meeting rig up loggers run triple combo w/dual lateral f/9240 up to surface caliper to surface pipe						
<b>Mud Checks</b>												
9,360.0ftKB, 6/29/2016 10:00												
Type Water Base	Time 10:00	Depth (ftKB) 9,360.0	Density (lb/gal) 10.00	Funnel Viscosity (s/qt) 35	PV Override (cP) 12.0	YP OR (lb/100ft²) 8.000						
Gel 10 sec (lb/100ft²) 4.000	Gel 10 min (lb/100ft²) 8.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.5	Sand (%) 0.3	Solids (%) 9.0						
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 1,900.000	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)						
Whole Mud Added (bbl)	Mud Lost to Hole (bbl) 162.0	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)								
<b>Drill Strings</b>												
<b>BHA #1, Steerable</b>												
Bit Run 1	Drill Bit 7 7/8in, mm65m parts # 749681, 12687457	Length (ft) 1.00	IADC Bit Dull 1-1-1-----TD	TFA (incl Noz) (in²) 1.18	BHA ROP... 89.1							
Nozzles (1/32") 16/16/16/16/16/16		String Length (ft) 789.49		Max Nominal OD (in) 6.500								
String Components security mm65m parts # 749681, 1-6.5" Hunting MM 1.5° ako .16 rev, 1- 7 3/4" 3 Pt. Reamer, 1-6.25" NMDC, 6.5" Gap Sub, 1-6.25" NMDC, 1-7 3/4" 3 Pt Reamer, 4-6 1/4" DC, 18-Jt 4 1/2 HWDP												
Comment Security MM65M 7 7/8 Ser # 12687457,- 6.5",7/8, 3.3 Stage 0.16 Rev.1.50° AKO MM, SER # 6214 - 7 3/4" 3 Pt. Reamer - 6.5" NMDC - 6.5" Gap Sub - 6.5" NMDC - 7 3/4" 3 pt Reamer - 4-6 1/4" x 2 5/16" DC -18 Jts. 4 1/2 HWDP												
<b>Drilling Parameters</b>												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	9,260.0			92.00		390	18	60	1,100.0	150	165	11.00 0.0
<b>AFE Number</b> 1700416US												
Start Depth (ftKB) 9,260.0		End Depth (ftKB) 9,260.0										
Target Formation Wasatch		Target Depth (ftKB) 9,240.0										
Last Casing String Surface, 1,048.0ftKB												
<b>Daily Contacts</b>												
Job Contact		Mobile										
Scott Seely		435-828-1101										
Doug Hackford		970-640-3882										
<b>Rigs</b>												
<b>Capstar Drilling, 316</b>												
Contractor Capstar Drilling		Rig Number 316										
Rig Supervisor Jake Straton		Phone Mobile										
<b>&lt;des&gt;, &lt;make&gt;, &lt;model&gt;</b>												
Pump #	Pwr (hp)	Rod Dia (in)										
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...										
P (psi)	Slow Spd	Strokes (s...)	Eff (%)									
<b>Mud Additive Amounts</b>												
Des	Field Est (Cost/unit)	Consumed										
BAR 100# SACK	10.85	83.0										
Bar Bulk	185.00	16.08										
CITRIC ACID	66.00	3.0										
DAP	23.85	5.0										
Drill Pac HV	145.00	2.0										
ENGINEERING	275.00	1.0										
HiYeld GEL	6.70	42.0										
Multi Seal	13.45	12.0										
SAWDUST	3.10	65.0										
TAX	1.00	385.0										
TRAILER RENTAL	95.00	1.0										
<b>Safety Checks</b>												
Time	Type	Des										
<b>Wellbores</b>												
Wellbore Name		KO MD (ftKB)										
Original Hole												



### Daily Drilling Report

Report for: 6/30/2016  
 Report #: 10.0, DFS: 6.88  
 Depth Progress:

Well Name: KENDALL 8-17-3-1E

UWI/API 43-047-55129		Surface Legal Location 8-17-3-1		License #	
Spud Date 6/1/2016 08:30		Date TD Reached (wellbore)		Rig Release Date 7/1/2016 08:16	
				Ground Elevation (ft) 4,963.00	
				Orig KB Elev (ft) 4,975.00	
Completion Type					
Weather Hot		Temperature (°F) 83.0		Road Condition Good	
				Hole Condition Good	
Operation At 6am Rig down rig released			Operation Next 24hrs Rig down Capstar #316 prep for road move moving rental equipment to town		

AFE Number 1700416US	
Start Depth (ftKB) 9,260.0	End Depth (ftKB) 9,260.0
Target Formation Wasatch	Target Depth (ftKB) 9,240.0
Last Casing String Production, 9,200.0ftKB	

24 Hr Summary  
 Run 208 jts & 2 markers of 5 1/2 17# L-80 casing land @ 9200' cement w/ Halliburton nipple down clean pit & all rental tanks premix / trip tank release rig 0600 7-1-16 ( Note sent all DP & DC to CSI for inspection )

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	14:30	8.50	8.50	12	RUN CASING & CEMENT	Run 208 jts & 2 markers of 5 1/2 17# L-80 casing land @ 9200'
14:30	18:00	3.50	12.00	12	RUN CASING & CEMENT	Held safety meeting rig up Halliburton test lines 5000 pump 10 bbl spacer 520sx 11# 2.66 yield lead then 640sx 13.1# 1.57 yield tail cement displace w/ 212 bbl water had good returns untill half way through displacment fcp 2030 psi bump plug 500 over floats helg rig down Halliburton
18:00	06:00	12.00	24.00	14	NIPPLE UP B.O.P	Nipple down BOPS& break spool off stack clean all rental tank & permex & trip tank w/ Red mesa Release rig @ 0600 7-1-16

Daily Contacts	
Job Contact	Mobile
Scott Seely	435-828-1101
Doug Hackford	970-640-3882

Rigs	
Capstar Drilling, 316	
Contractor Capstar Drilling	Rig Number 316
Rig Supervisor Jake Straton	Phone Mobile

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

Mud Checks						
9,260.0ftKB, 6/30/2016 08:30						
Type Water Base	Time 08:30	Depth (ftKB) 9,260.0	Density (lb/gal) 9.70	Funnel Viscosity (s/qt) 37	PV Override (cP) 9.0	YP OR (lb/100ft²) 9,000
Gel 10 sec (lb/100ft²) 4.000	Gel 10 min (lb/100ft²) 7.000	Filtrate (mL/30min)	Filter Cake (1/32")	pH 8.5	Sand (%) 0.3	Solids (%) 7.8
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 1,900.000	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		
		260.0				

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
ANCO DRILL	65.00	1.0
BAR 100# SACK	10.85	28.0
Bar Bulk	185.00	4.0
DAP	23.85	6.0
ENGINEERING	275.00	1.0
HiYeld GEL	6.70	70.0
PALLETS	18.00	4.0
SAWDUST	3.10	30.0
SHRINK WRAP	18.00	4.0
TAX	1.00	387.0
TRAILER RENTAL	95.00	1.0
TRUCKING	1.00	3,200.0

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

Safety Checks		
Time	Type	Des

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

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	