

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER GDU 63-6-22					
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT ANTELOPE CREEK					
4. TYPE OF WELL Gas Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						5. UNIT or COMMUNITIZATION AGREEMENT NAME GILSONITE DRAW					
6. NAME OF OPERATOR VANTAGE ENERGY UINTA LLC						7. OPERATOR PHONE 303 386-8600					
8. ADDRESS OF OPERATOR 116 Inverness Drive East, Ste 107, Englewood, CO, 80112						9. OPERATOR E-MAIL john.moran@vantageenergy.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU78235			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>					
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')					
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')					
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE		2422 FNL 2492 FEL		SWNE	6	6.0 S	3.0 W	U			
Top of Uppermost Producing Zone		1980 FNL 1989 FWL		SENE	6	6.0 S	3.0 W	U			
At Total Depth		1980 FNL 1980 FWL		SENE	6	6.0 S	3.0 W	U			
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 2422			23. NUMBER OF ACRES IN DRILLING UNIT 2250					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 15			26. PROPOSED DEPTH MD: 6195 TVD: 6151					
27. ELEVATION - GROUND LEVEL 6958			28. BOND NUMBER UTB000288			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Ouray Municipal Water Plant (49-1501)					
Hole, Casing, and Cement Information											
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight	
Surf	12.25	8.625	0 - 500	24.0	J-55 ST&C	0.0	Class G	225	1.17	15.8	
Prod	7.875	5.5	0 - 6195	15.5	J-55 LT&C	8.9	Premium Lite High Strength	129	3.5	11.0	
							50/50 Poz	413	1.25	14.4	
ATTACHMENTS											
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES											
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Andrea Gross				TITLE Project Coordinator				PHONE 303 941-0506			
SIGNATURE				DATE 06/04/2013				EMAIL agross@upstreampm.com			
API NUMBER ASSIGNED 43013522290000				APPROVAL  Permit Manager							

Vantage Energy Uinta LLC
GDU 63-6-22
 SHL: 2,422' FNL 2,492' FEL (SW/4 NE/4)
 BHL: ±1,980' FNL ±1,980' FWL (SE/4 NW/4)
 Sec. 6 T6S R3W
 Duchesne County, Utah
 Surface: Federal
 Federal Mineral Lease: UTU78235
 Gilsonite Draw Federal Unit: UTU86249X

NINE POINT DRILLING PROGRAM

This Application for Permit to Drill (APD) is filed under the APD process as stated in Onshore Order No. 1 and supporting Bureau of Land Management (BLM) documents. This APD process will include an onsite meeting as determined by BLM, at which time the specific concerns of Vantage Energy Uinta LLC (Vantage) and United States Forest Service (USFS)/BLM will be discussed. Best efforts have been made to address specific concerns of the USFS and BLM representatives.

Operator respectfully requests that all information regarding this well be kept confidential.

1) GEOLOGIC MARKERS

Anticipated tops of geologic markers are indicated in **Table 1**

Table 1 Estimated Tops of Geologic Markers

Formation	Vertical Depth	Measured Depth	Description
Green River	Surface	Surface	Sandstone/siltstone/shale
Garden Gulch	3,518'	3,539'	Sandstone/siltstone/shale
Douglas Creek	4,495'	4,525'	Sandstone/siltstone/shale
Castle Peak	5,391'	5,429'	Sandstone/siltstone/shale
Uteland Butte	5,846'	5,888'	Carbonate/shale/sandstone
Wasatch	6,051'	6,095'	Shale/sandstone
Total Depth	6,151'	6,195'	TD ± 100' TVD into Wasatch

Surface Elevation: 6,958' (Ground) 6,972' (Est. KB). Proposed Total Depth: 6,151' / 6,195' (TVD/MD)

2) DEPTHS OF WATER AND MINERAL-BEARING ZONES

Potential water-bearing zones in the vicinity include the Wasatch and Green River formations (Robson and Banta, 1995. *Ground Water Atlas of the United States Segment 2*, Hydrologic Investigations Atlas 730-C, U.S. Geological Survey, Reston, VA). A review of data from the Utah Division of Water Rights indicate no permitted water wells within a one mile radius of the proposed location. Utah Division of Oil, Gas, and Mining surface casing depth requirements will protect potential aquifers in the area.

The depths to potential water and/or mineral-bearing zones are indicated in **Table 2**.

Table 2: Principal Anticipated Water and Mineral-bearing Zones

Formation	Vertical Depth	Measured Depth	Potential Contents
Green River	Surface	Surface	Surface – Possible Water
Garden Gulch	3,518'	3,539'	Possible Water
Douglas Creek	4,495'	4,525'	Oil / Gas
Castle Peak	5,391'	5,429'	Oil / Gas
Uteland Butte	5,846'	5,888'	Oil / Gas
Wasatch	6,051'	6,095'	Oil / Gas

3) MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL EQUIPMENT

The maximum anticipated surface pressure for this well is calculated to be **1,320 psi**. Therefore, rules for a 2,000 psi rated BOP and choke manifold system are applicable. However, the typical rig inventory will consist of a 3,000 psi rated BOP and choke manifold. As such, the rig's BOP and choke manifold equipment will be tested to the standards for a 2,000 psi BOP system. A diagram of the proposed 2,000 psi rated BOP stack configuration is shown in **Fig. 1**.

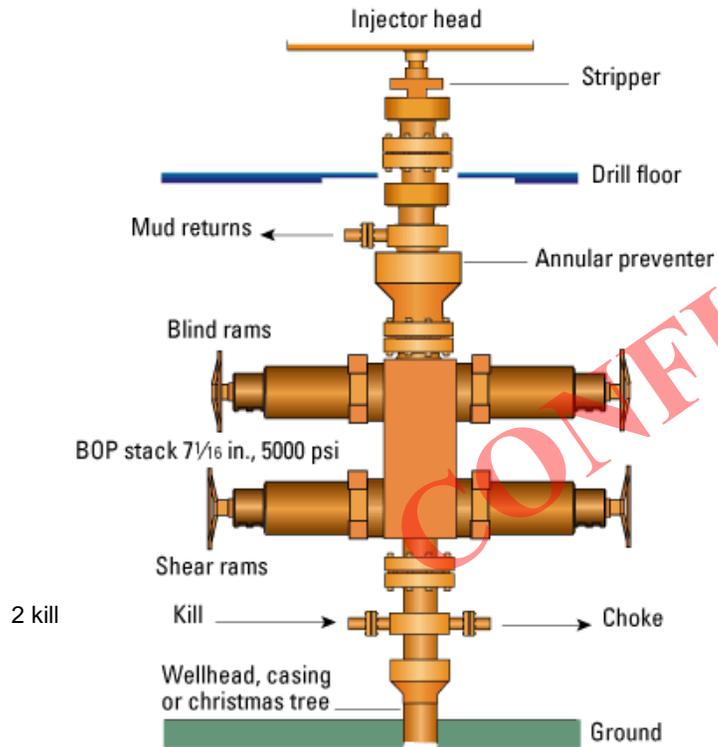
BOPs and choke manifold will be installed and pressure tested before drilling out from under surface casing (subsequent pressure tests will be performed whenever pressure seals are broken) and then will be checked daily as to mechanical operating condition. BOPs will be pressure tested at least once every 30 days. The annular preventer, pipe rams, and blind rams will be activated on each trip and Operator will conduct weekly BOP drills with the rig crew. Both manual and remote closing mechanisms will be installed on the BOP stack and will be readily available to the driller.

Ram type preventers and related pressure control equipment will be pressure tested to rated working pressure of the stack assembly if a test plug is used. If a plug is not used, the stack assembly will be tested to the rated working pressure of the stack assembly or to 70% of the minimum internal yield of the casing, whichever is less. **Please see variance request at end of program for this section.**

Annular type preventers will be pressure tested to 50% of their rated working pressure. A Sundry Notice (Form 3160~5), along with a copy of BOP test report, shall be submitted to the BLM within 5 working days following the test. All casings strings will be pressure tested to 0.22psi/ft or 1,500psi, whichever is greater, not to exceed 70% of internal yield. **Please see variance request at end of program for this section.**

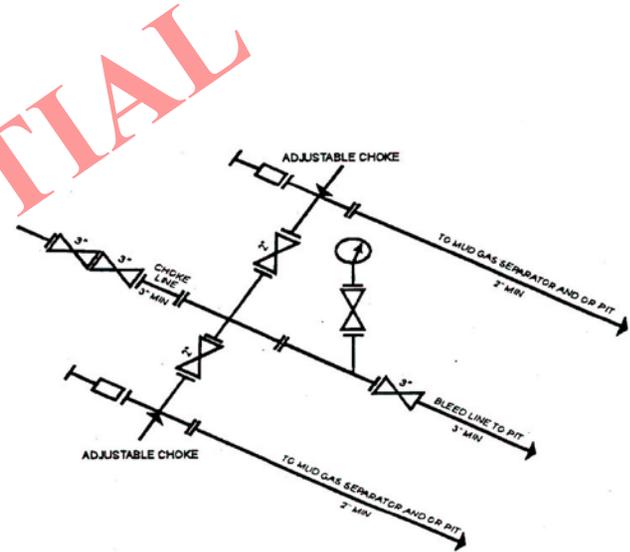
Figure 1: Pressure Control Schematic

**Generalized Setup for 2,000 psi Working Pressure System
 Actual BOP Stack Used May Vary in Some Details**



may be reversed,
 be rams above
 ims

okes and lines,
 h minimum



3M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY
 [54 FR 39528, Sept. 27, 1989]

Installed BOP Stack Will Meet All Requirements of BLM Onshore Oil and Gas Order 2

Statement on Accumulator System and Location of Hydraulic Controls

The drilling rig has not yet been selected for this well. Selection will take place after approval of this application. Manual and/or hydraulic controls will be in compliance with *Onshore Oil and Gas Order No. 2* for 2,000 psi systems. Irregardless of the rig selected, the rig's accumulator system shall have sufficient capacity to close all BOP equipment and retain 200 psi above precharge pressure. The proposed pressure control equipment will meet or exceed standards specified in the Order.

4) CASING PROGRAM

Casing of quality equal to or better than that indicated in **Tables 3** and **4** will be used for this well. Actual casing used will be dependent on availability.

Table 3 Proposed Casing Program

Depth (MD)	Hole Diameter	Casing Diameter	Casing Weight and Grade
0 – ± 40'	20"	14"	Optional Conductor – Only if Required
0 – 500'	12 1/4"	8 5/8"	24# J55 ST&C, API New Pipe
0 – 6,195'	7 7/8"	5 1/2"	15.5# J55 LT&C, API New Pipe

Table 4: Proposed Casing Specifications and Design Safety Factors

Size	Collapse (psi)	Burst (psi)	Body Strength (1,000 lbs.)	Joint Strength (1,000 lbs.)	Thread	*Safety Factors		
						Burst Design (1.2)	Collapse Design (1.0)	Tension Design (1.4)
14"	NA – 0.219" wall structural and to seal shallow gravels to allow air drilling surface hole				Weld	NA	NA	NA
8 5/8" 24# J55	1,370	2,950	381	244	ST&C	1.96	3.3	3.9
5 1/2" 15.5# J55	4,040	4,810	248	217	LT&C	1.25	1.49	1.64

Safety Factor Calculation Assumptions:*Surface Casing:**

Burst Load: Assumes greater of MASP (maximum anticipated surface pressure) exposure during a worse case kick scenario while drilling at total depth, with mud/gas mixture whose gradient is 0.22 psi/ft. OR, minimum required casing test pressure.

MASP

$$\begin{aligned} \text{Load} &= (\text{Formation Gradient} - 0.22 \text{ psi/ft}) * \text{Total Depth, TVD} \\ &= (0.44 \text{ psi/ft} - 0.22 \text{ psi/ft}) * 6,151 \text{ ft.} \\ &= 1,353 \text{ psi} \end{aligned}$$

TEST PRESSURE

$$\begin{aligned} \text{Load} &= \text{Greater of } 1,500 \text{ psig or } 0.22 \text{ psi/ft} * 500 \text{ ft} = 110 \text{ psig} \\ \text{Load} &= \text{Greater of } 1,500 \text{ psig or } 1,320 \text{ psig or } 110 \text{ psig} \end{aligned}$$

$$\text{SF Burst} = 2,950 \text{ psi} / 1,500 \text{ psi} = 1.96$$

Collapse Load: Assumes worse case loading of evacuated casing during cementing process.

$$\begin{aligned}\text{Cement density} &= 15.8 \text{ ppg} \\ \text{Load} &= 15.8 \text{ ppg} * 0.052 * 500 \text{ ft} \\ &= 410.8 \text{ psi}\end{aligned}$$

$$\text{SF Collapse} = 1353 \text{ psi} / 410 \text{ psi} = 3.3$$

Tension Load: Assumes air weight at total depth + 50,000 lbs overpull design factor.

$$\begin{aligned}\text{Load} &= (24 \text{ lbs/ft} * 500 \text{ ft}) + 50,000 \text{ lbs overpull} \\ &= 62,000 \text{ lbs}\end{aligned}$$

$$\text{SF Tension} = 244,000 \text{ lbs} / 62,000 \text{ lbs} = 3.9$$

Production Casing

Burst Load: Assumes maximum load applied during the hydraulic fracture stimulations. It is Vantage Energy's policy not to exceed 80% rating of the production casing during the stimulation treatment. The 80% rating factor will also be the casing test pressure.

$$\begin{aligned}\text{Load} &= 4810 \text{ psi} * 0.80 \\ &= 3848 \text{ psi}\end{aligned}$$

$$\text{SF Burst} = 4810 \text{ psi} / 3848 \text{ psi} = 1.25$$

Collapse Load: Assumes worse case loading applied during the production cycle, with evacuated casing, and normally pressured formation gradient applied externally.

$$\begin{aligned}\text{Load} &= 0.44 \text{ psi/ft} * 6151 \text{ ft} \\ &= 2,706 \text{ psi}\end{aligned}$$

$$\text{SF Collapse} = 4040 \text{ psi} / 2,706 \text{ psi} = 1.49$$

Tension Load: Assumes buoyed weight of casing at total depth + 50,000 lbs overpull design factor.

$$\begin{aligned}\text{Load} &= [15.5 \text{ lbs/ft} * 6151 \text{ ft} * ((65.5 - 9.0) / 65.5)] + 50,000 \text{ lbs} \\ &= 82,240 \text{ lbs} + 50,000 \text{ lbs} \\ &= 132,240 \text{ lbs}\end{aligned}$$

$$\text{SF Tension} = 217,000 \text{ lbs} / 132,240 \text{ lbs} = 1.64$$

5) CEMENT PROGRAM

Table 5: Proposed Cement Program

Depth	Hole Diameter	Casing Diameter	Cement
0' – ± 40'	20"	14"	Optional structural conductor if required: Grout with approximately 3.5 cubic yards of redi-mix back to surface (includes 100% excess) TOC: Surface (Top-off per visual observation)
0' – 500'	12 1/4"	8 5/8"	<u>Single Slurry System (300' – Surface) + 40' Shoe Joint</u> 225 sks Class G + 2% CaCl ₂ + ¼ lb/sk celloflake. Density: 15.8 ppg Yield: 1.17 cuft/sk Water: 5.0 gal/sk Excess = 100% in open hole TOC: Surface (Top-off per visual observation)
0' - 6,195'	7 7/8"	5 1/2"	<u>Lead System (4,000' – 2,000')</u> 129 sks Premium Lite II + 10% Gel + 10 lbs/sk gilsonite + 3% KCL + 0.5% Sodium Metasilicate + 5 lbs/sk CSE-2 + ¼ lb/sk celloflake + 3 lbs/sk Kol Seal + 0.5 lbs/sk Static Free + 0.002 gps FP-6L Density: 11.0 ppg Yield: 3.50 cuft/sk Water: 21.4 gal/sk *Excess: 30% <u>Tail System (6,263' – 4,000') + 40' Shoe Joint</u> 413 sks 50:50 (Class G:Poz) + 2% gel + 3% KCL + 0.5% EC-1 + 0.15% R-3 + 0.3% Sodium Metasilicate + ¼ lb/sk celloflake + 0.05 lbs/sk Static Free + 0.002 gps FP-6L Density: 14.4 ppg Yield: 1.25 cuft/sk Water: 5.48 gal/sk *Excess: 30%

*Note: The production hole cement volume excess factor will be adjusted on location by the caliper log, and will be re-calculated using caliper volume + 10% excess factor.

6) MUD PROGRAM

The mud program for the proposed well is indicated in **Table 6**.

Table 6 Proposed Mud Program (See attached Advantage mud program)

Interval (feet)	Mud Weight (lbs/gallon)	Viscosity (secs/qt)	Fluid Loss (ccs/30 min)	Mud Type
0 – ± 40'	NA	NA	NA	NA
Set optional 14" conductor with bucket rig				
40' - 500±	NA	NA	N/C	Air/Mist
Run/cement 8 5/8" surface casing				
500± - 3,500'	8.3 – 8.9	28 – 48	10 - 18	FW / PHPA
3,500' - TD	8.4 – 8.9	34 – 58	8 - 10	3% KCL / PHPA
Run Logs – Run/cement 5 1/2" production casing				

Surface Hole Comments: Spud with “spudder rig” and air drill surface hole misting as may be required to assist with cuttings removal. Report any water encountered to the appropriate agencies. **Please see variance requests for this section.**

Production Hole Comments: Drill out surface casing with fresh water using pre-hydrated gel and PHPA polymer mud sweeps to assist with hole cleaning. At approximately 3,500' “mud up” and “close in” the fluid system to a 2-3% KCL base fluid. Use PHPA PAC and lignite for filtration control. Maintain fluid system through potential production zones to TD. Should seepage losses be experienced, control with LCM sweeps consisting of calcium carbonate, sawdust, cedar fiber, or mica.

Sufficient mud materials will be maintained on location to adequately maintain mud properties and control lost circulation zones that may be encountered. Monitoring equipment will be installed on site to detect changes in mud volume.

7) LOGGING, CORING, AND TESTING PROGRAM

The proposed logging program is indicated in **Table 7**.

Table 7 Proposed Logging Program

Log Suites	Depth Range	Remarks
DIL-SP-LD-CN	Surface Casing to TD	Standard "triple combo" equivalent with resistivity-spontaneous potential, litho-density, compensated neutron, gamma ray, and caliper Will pull GR to surface
Dipole Sonic	± 4,000' to TD	Optional – Operator's discretion Rock property data
Rotary Sidewall Cores	± 4,000' to TD	Optional – Operator's discretion PP/Lithology data (perm-porosity)

No coring or drill stem tests are planned. Mud logging unit will be operational from 200 feet above the Douglas Creek through total depth. Cuttings will be sampled every 20-30 feet.

Prospective zones from the Douglas Creek formation through total depth will be perforated, tested, and potentially acid-washed. It is anticipated that multi-stage hydraulic fracture stimulations of the reservoir will be required.

8) ANTICIPATED PRESSURES AND HAZARDS

No abnormal pressures are anticipated. Pressure gradient in the Green River and Wasatch sequence is expected to be sub-normal pressured to less than 0.44 psi/ft.

Estimated BHP Douglas Creek (4,495')	1,978 psi
Estimated BHP Wasatch (6,051')	2,662 psi
Estimated BHP Total Depth (6,151')	2,706 psi
Hydrostatic head of gas/mud column	0.22 psi/ft.
Maximum design surface pressure	0.44 – 0.22 psi/ft x 6,195 ft = 1,363 psi

No H2S zones are anticipated. Lost circulation can be encountered. A variety of sized lost circulation materials will be maintained on location in the event lost circulation is experienced. No abnormal lost circulation zones are anticipated. The proposed well is a southern extension test of producing wells in T6S-R3W. Abnormal pressures will not be experienced to the proposed depth in this area.

9) DIRECTIONAL PROGRAM (See attached directional plan by Payzone)

The GDU 63-6-22 will be drilled as a directional well, with a bottom hole located in the center of SE¼ NW¼ Section 6, T6S-R3W on a 40-acre spacing pattern. The vertical section distance between the surface and the bottom hole is 910'. The bottom hole will be landed within a 200' radius target tolerance. The directional plan will consist of a build-and-drop “S” profile, with a planned KOP of 500', and a build/drop rate of 1.5°/100'.

The purpose of the directional well is to establish an “ideal” 40-acre drainage pattern for future development considerations.

10) OTHER INFORMATION

Contact Information and Personnel

Mailing Address

Vantage Energy Uinta LLC
116 Inverness Drive, Suite 107
Englewood, CO 80112
Main Number: 303-386-8600
Fax Number: 303-386-8700

Primary Contact: Seth Urruty

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Drilling Operations: John Moran

Office Direct: 303-386-8610

Fax Direct: 303-386-8710

Mobile: 303-249-2234

E-Mail: John.Moran@VantageEnergy.com

Completion/Production Operations: Eric Burkhalter

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E-Mail: Kimberly.Alanis@VantageEnergy.com

Landman: Michael Holland

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Mobile: 303-396-3443

E-Mail: Michael.Holland@VantageEnergy.com**START DATE AND DURATION OF ACTIVITIES**Anticipated start date

The drilling operations will commence as soon as possible following contracting of drilling rig and in compliance with restrictions imposed by lease stipulations and/or Conditions of Approval. It is therefore anticipated the access upgrade work and location work would commence on or about June 15, 2013, with a target spud date of July 1, 2013. It is anticipated the drilling phase will require 7 days.

Completion

The well pad will be of sufficient size to accommodate all required completion equipment and activities. It is anticipated select intervals will be perforated, stimulated and adequately tested for the presence of commercial hydrocarbons prior to moving uphole to the next prospective test interval. As such, it is anticipated the completion phase will require 45 days.

The total project duration is therefore estimated to be **52 days**, and therefore anticipated to be concluded on or about August 22, 2013.

A string of 2 7/8 inch 6.5 lb/ft. J-55 tubing would be run as the production tubing. A Sundry Notice will be submitted should there be any changes to the proposed completion program.

VARIANCE REQUESTS

1. Operator requests a variance to *Onshore Oil and Gas Order 2, Item B, No. 1h*, regulations requiring the surface casing be tested to the greater of 1500 psig, or 70% of the minimum internal yield.
 - a. The MASP for this well is calculated to be 1,363 psig, while the 70% yield rating is 2,950 psig.
 - b. Operator therefore requests approval to test the surface casing to the lesser value of 1,500 psig which is greater than the MASP value.
2. Operator requests a variance to *Onshore Oil and Gas Order 2, Item A*, regulations which outline test pressures for 3M pressure control systems.
 - a. The drilling contractor's standard inventory will consist of 3M pressure control systems; however, as cited above, the MASP for this well is calculated to be 1,326 psig. As such, 2M pressure control equipment is sufficient for the drilling of this well.
 - b. Operator therefore requests approval to test contractor's 3M BOPE to 2M pressure system standards. The double ram preventer will be tested to 2,000 psig, and the annular preventer will be tested to 1,500 psig. Safety valves and choke/kill valves and lines will all be tested to 2,000 psig.
3. Operator requests a variance to *Onshore Oil and Gas Order 2, Item E*, regulations for air/gas drilling operations. Operator plans to drill only the surface hole to a depth of 500', with a "spud rig", in a separate operation from the drilling rig. No hydrocarbons are present in the surface hole section and therefore, "gas" drilling is not applicable to this hole section. Therefore, for the purpose only of drilling the surface hole with an air rig, Operator requests the following four (4) variances from the order that states "...the following equipment shall be in place and operational during air/gas drilling: (1) properly lubricated and maintained rotating head; (2) blooie line discharge one hundred feet (100') from wellbore; (3) automatic igniter or continuous pilot light on the blooie line; and (4) compressor located...a minimum of 100 feet (100') from the wellbore".
 - a. Operator requests approval to use a diverter bowl rather than a rotating head as specified in the Order. The diverter bowl forces air and cuttings to the existing pit and is only used to drill the surface hole (to a total depth of 500'). The surface hole section is non-hydrocarbon bearing, and therefore formation pressures will not require a pressure rated rotating head. Should water flows be encountered, they will be reported to the appropriate agencies.
 - b. Operator requests approval to use a blooie line with a discharge length of less than the required one hundred feet (100') from the wellbore in order to minimize the well pad size, and to direct the cuttings into the existing pit. The wellbore is to be located approximately thirty-five feet (52') from the existing pit which is to be seventy feet (70') wide. Therefore, a one hundred foot (100') blooie line would blow cuttings across the existing pit. The requested length of blooie line to drill the surface hole is thirty-five feet (35'). This is the distance necessary to reach the edge of the existing pit, and to therefore direct cuttings into the existing pit in a safe and efficient manner.
 - c. Operator requests approval to operate without an automatic igniter or continuous pilot light on the blooie line. The surface hole section is non-hydrocarbon bearing and therefore does not require a continuous ignition source.
 - d. Operator requests approval to use a trailer mounted air compressor located less than one hundred feet (100') from the wellbore in order to minimize the location size. The compressor will be located fifty feet (50') from the wellbore in an opposite direction of the blooie line. The compressor has the following safety features: (1) shut-off valve on the

trailer located approximately fifteen feet (15') from the air rig; (2) pressure relief valve on the compressor; and (3) spark arrestors on the motors. The compressor will only be used for the drilling of the surface hole, which is non-hydrocarbon bearing.

CONFIDENTIAL

T6S, R3W, U.S.B.&M.

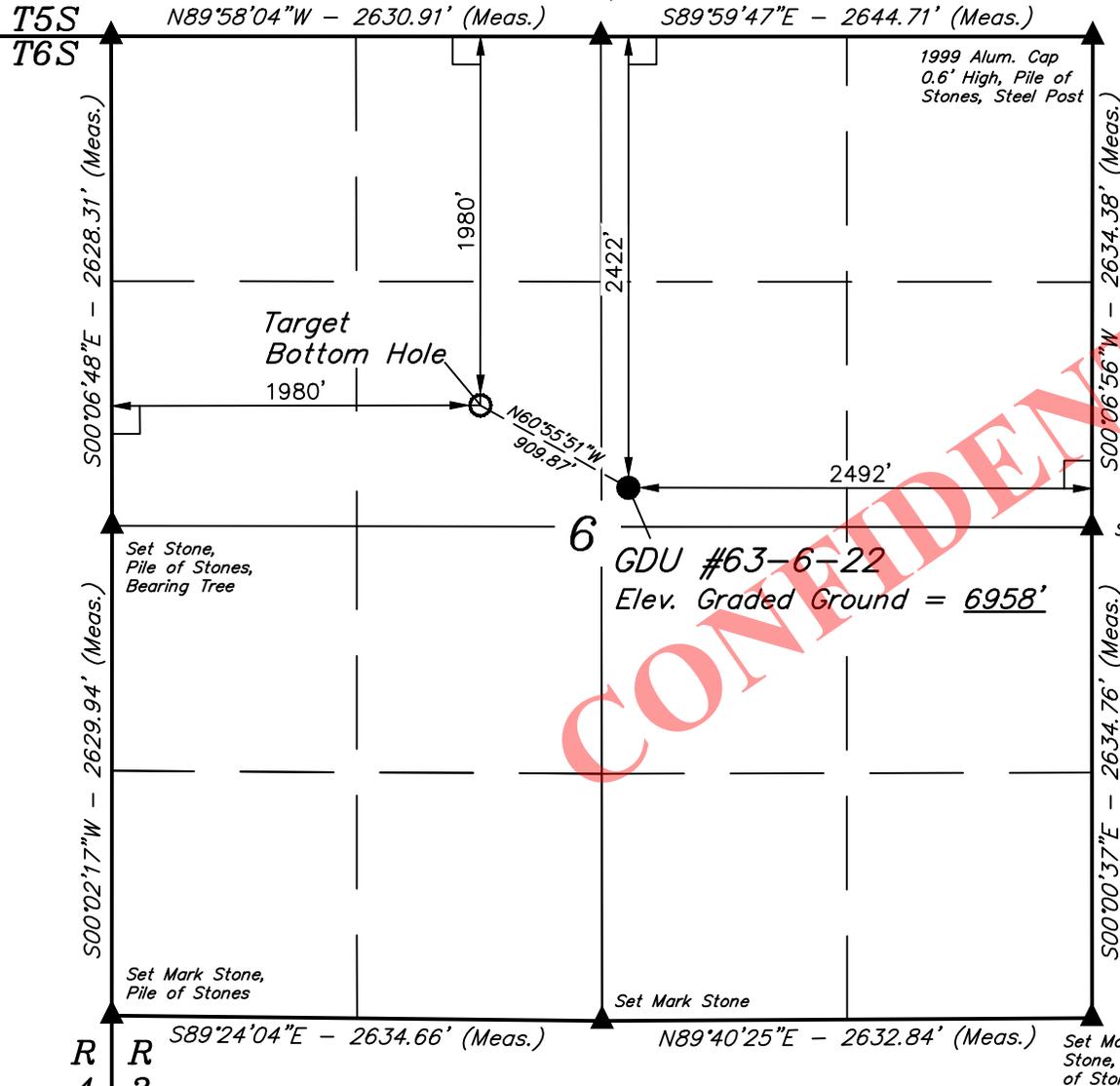
Vantage Energy Uinta LLC

Well location, GDU #63-6-22, located as shown in the SW 1/4 NE 1/4 of Section 6, T6S, R3W, U.S.B.&M., Duchesne County, Utah.

1983 Alum. Cap
1.0' High, Pile of
Stones, Sign

Alum. Cap
1.0' High, Pile of
Stones, Steel Post

1999 Alum. Cap
0.6' High, Pile of
Stones, Steel Post



BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

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.

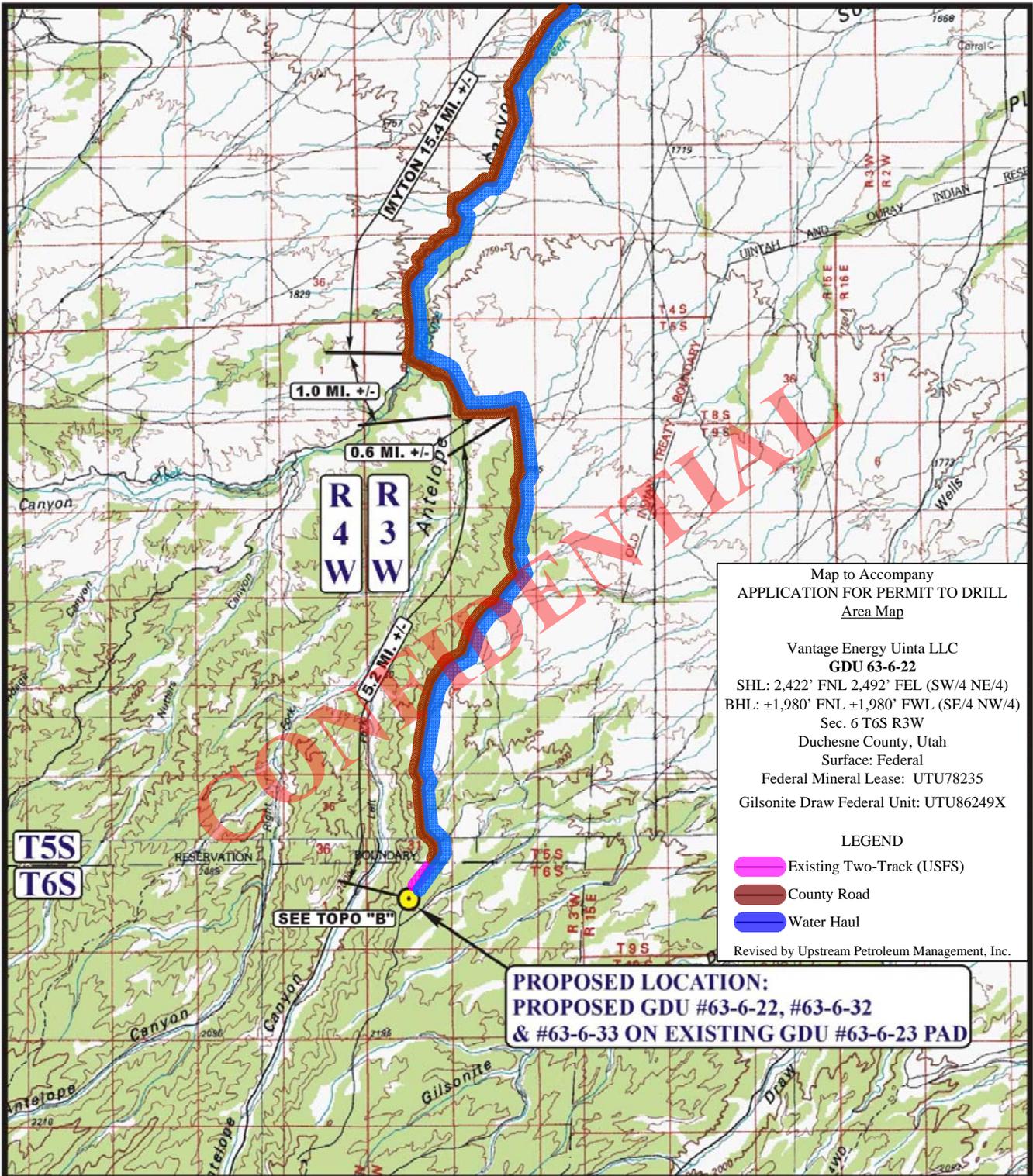
KAY
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH
 10-26-12

UINTAH ENGINEERING & LAND SURVEYING		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 10-24-12	DATE DRAWN: 10-25-12
PARTY C.A. K.O.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Vantage Energy Uinta LLC	

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°59'25.71" (39.990475)	LONGITUDE = 110°16'04.63" (110.267953)	LATITUDE = 39°59'21.34" (39.989261)	LONGITUDE = 110°15'54.42" (110.265117)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°59'25.84" (39.990511)	LONGITUDE = 110°16'02.08" (110.267244)	LATITUDE = 39°59'21.47" (39.989297)	LONGITUDE = 110°15'51.87" (110.264408)



Map to Accompany
 APPLICATION FOR PERMIT TO DRILL
 Area Map

Vantage Energy Uinta LLC
GDU 63-6-22
 SHL: 2,422' FNL 2,492' FEL (SW/4 NE/4)
 BHL: ±1,980' FNL ±1,980' FWL (SE/4 NW/4)
 Sec. 6 T6S R3W
 Duchesne County, Utah
 Surface: Federal
 Federal Mineral Lease: UTU78235
 Gilsonite Draw Federal Unit: UTU86249X

LEGEND

- Existing Two-Track (USFS)
- County Road
- Water Haul

Revised by Upstream Petroleum Management, Inc.

**PROPOSED LOCATION:
 PROPOSED GDU #63-6-22, #63-6-32
 & #63-6-33 ON EXISTING GDU #63-6-23 PAD**

LEGEND:
 PROPOSED LOCATION

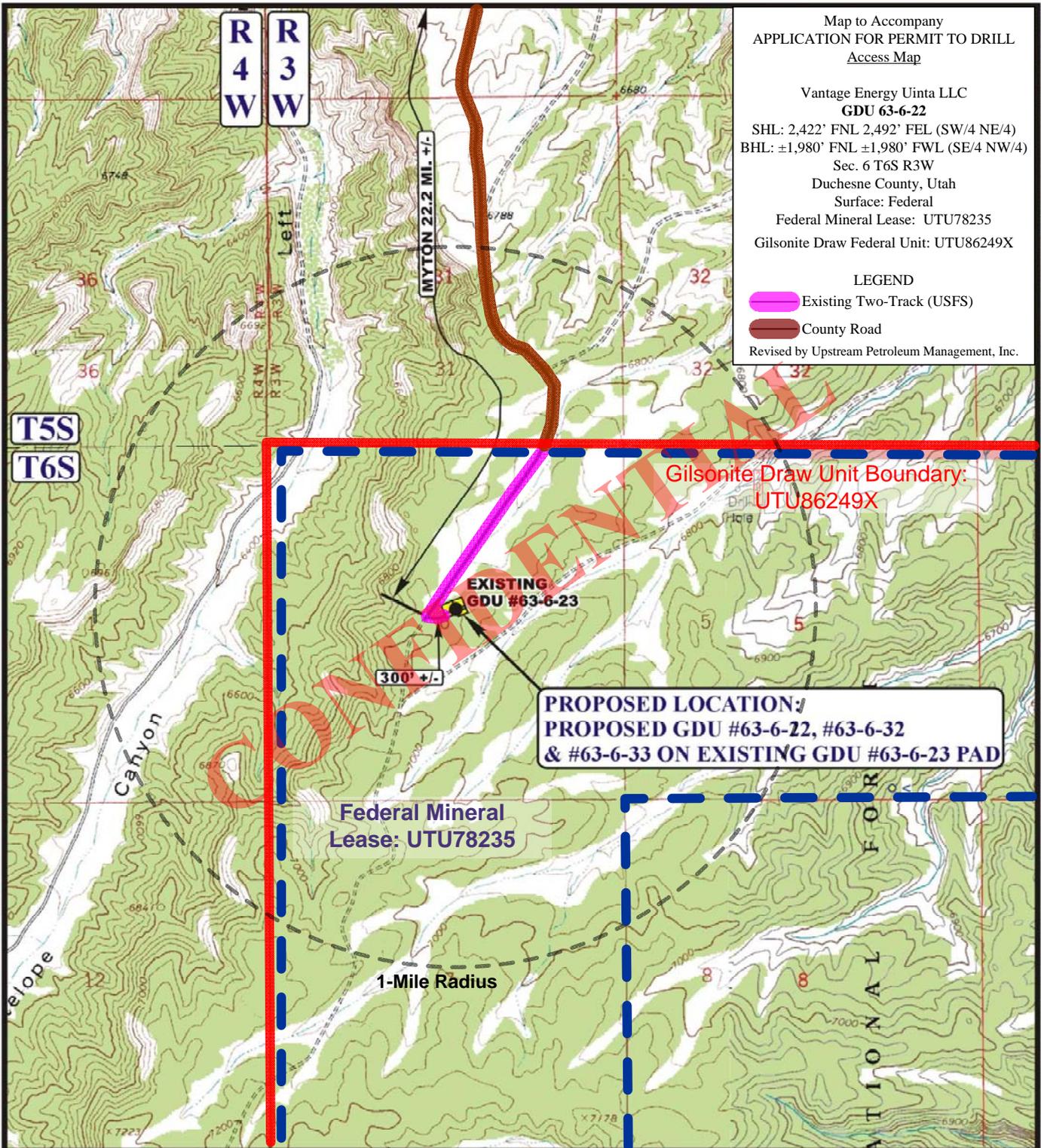
Vantage Energy Uinta LLC
 PROPOSED GDU #63-6-22, #63-6-32 & #63-6-33
 ON EXISTING GDU #63-6-23 PAD
 SECTION 6, T6S, R3W, U.S.B.&M.
 SW 1/4 NE 1/4

UEIS Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

**ACCESS ROAD
 MAP**

10 31 08
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: Z.L. REV:10-29-12 C.L. **TOPO**



Map to Accompany
APPLICATION FOR PERMIT TO DRILL
Access Map

Vantage Energy Uinta LLC
GDU 63-6-22
SHL: 2,422' FNL 2,492' FEL (SW/4 NE/4)
BHL: ±1,980' FNL ±1,980' FWL (SE/4 NW/4)
Sec. 6 T6S R3W
Duchesne County, Utah
Surface: Federal
Federal Mineral Lease: UTU78235
Gilsonite Draw Federal Unit: UTU86249X

LEGEND
 Existing Two-Track (USFS)
 County Road
 Revised by Upstream Petroleum Management, Inc.

**PROPOSED LOCATION:
PROPOSED GDU #63-6-22, #63-6-32
& #63-6-33 ON EXISTING GDU #63-6-23 PAD**

Federal Mineral
Lease: UTU78235

1-Mile Radius

Gilsonite Draw Unit Boundary:
UTU86249X

LEGEND:
 EXISTING ROAD
 PROPOSED ACCESS ROAD



Vantage Energy Uinta LLC
PROPOSED GDU #63-6-22, #63-6-32 & #63-6-33
ON EXISTING GDU #63-6-23 PAD
SECTION 6, T6S, R3W, U.S.B.&M.
SW 1/4 NE 1/4

U&L S Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD MAP
 10 31 08
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: Z.L. REV: 10-29-12 C.L. **TOPO**



Vantage Energy

**Duchesne County, UT
SECTION 6 T6S, R3W
GDU 63-6-22**

Wellbore #1

Plan: Design #1

Standard Planning Report

14 April, 2013

CONFIDENTIAL





Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well GDU 63-6-22
Company:	Vantage Energy	TVD Reference:	GDU 63-6-22 @ 6972.4ft (Original Well Elev)
Project:	Duchesne County, UT	MD Reference:	GDU 63-6-22 @ 6972.4ft (Original Well Elev)
Site:	SECTION 6 T6S, R3W	North Reference:	True
Well:	GDU 63-6-22	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project	Duchesne County, UT, Duchesne County, UT		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Northern Zone		

Site	SECTION 6 T6S, R3W				
Site Position:		Northing:	962,601.53 m	Latitude:	39° 59' 23.328 N
From:	Map	Easting:	605,549.67 m	Longitude:	110° 15' 51.665 W
Position Uncertainty:	0.0 ft	Slot Radius:	in	Grid Convergence:	0.81 °

Well	GDU 63-6-22, SHL LAT/LONG 39.989261, -110.265117					
Well Position	+N/-S	-201.2 ft	Northing:	962,539.27 m	Latitude:	39° 59' 21.339 N
	+E/-W	-214.6 ft	Easting:	605,485.14 m	Longitude:	110° 15' 54.421 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	6,972.4 ft	Ground Level:	6,958.0 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF200510	4/14/2013	(°)	(°)	(nT)
			11.13	65.68	52,066

Design	Design #1			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	299.10

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,710.0	18.15	299.10	1,689.9	92.4	-166.1	1.50	1.50	0.00	299.10	
3,409.8	18.15	299.10	3,305.1	349.9	-628.7	0.00	0.00	0.00	0.00	
4,619.8	0.00	0.00	4,495.0	442.4	-794.8	1.50	-1.50	0.00	180.00	
6,275.8	0.00	0.00	6,151.0	442.4	-794.8	0.00	0.00	0.00	0.00	63-6-22 BHL



Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well GDU 63-6-22
Company:	Vantage Energy	TVD Reference:	GDU 63-6-22 @ 6972.4ft (Original Well Elev)
Project:	Duchesne County, UT	MD Reference:	GDU 63-6-22 @ 6972.4ft (Original Well Elev)
Site:	SECTION 6 T6S, R3W	North Reference:	True
Well:	GDU 63-6-22	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
Green River									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
Start Build 1.50									
600.0	1.50	299.10	600.0	0.6	-1.1	1.3	1.50	1.50	0.00
700.0	3.00	299.10	699.9	2.5	-4.6	5.2	1.50	1.50	0.00
800.0	4.50	299.10	799.7	5.7	-10.3	11.8	1.50	1.50	0.00
900.0	6.00	299.10	899.3	10.2	-18.3	20.9	1.50	1.50	0.00
1,000.0	7.50	299.10	998.6	15.9	-28.6	32.7	1.50	1.50	0.00
1,100.0	9.00	299.10	1,097.5	22.9	-41.1	47.0	1.50	1.50	0.00
1,200.0	10.50	299.10	1,196.1	31.1	-55.9	64.0	1.50	1.50	0.00
1,300.0	12.00	299.10	1,294.2	40.6	-72.9	83.5	1.50	1.50	0.00
1,400.0	13.50	299.10	1,391.7	51.3	-92.2	105.5	1.50	1.50	0.00
1,500.0	15.00	299.10	1,488.6	63.3	-113.7	130.2	1.50	1.50	0.00
1,600.0	16.50	299.10	1,584.9	76.5	-137.4	157.3	1.50	1.50	0.00
1,700.0	18.00	299.10	1,680.4	90.9	-163.4	187.0	1.50	1.50	0.00
1,710.0	18.15	299.10	1,689.9	92.4	-166.1	190.1	1.50	1.50	0.00
Start 1699.8 hold at 1710.0 MD									
1,800.0	18.15	299.10	1,775.4	106.1	-190.6	218.1	0.00	0.00	0.00
1,900.0	18.15	299.10	1,870.4	121.2	-217.8	249.2	0.00	0.00	0.00
2,000.0	18.15	299.10	1,965.4	136.4	-245.0	280.4	0.00	0.00	0.00
2,100.0	18.15	299.10	2,060.5	151.5	-272.2	311.5	0.00	0.00	0.00
2,200.0	18.15	299.10	2,155.5	166.7	-299.4	342.7	0.00	0.00	0.00
2,300.0	18.15	299.10	2,250.5	181.8	-326.7	373.8	0.00	0.00	0.00
2,400.0	18.15	299.10	2,345.5	197.0	-353.9	405.0	0.00	0.00	0.00
2,500.0	18.15	299.10	2,440.6	212.1	-381.1	436.1	0.00	0.00	0.00
2,600.0	18.15	299.10	2,535.6	227.3	-408.3	467.3	0.00	0.00	0.00
2,700.0	18.15	299.10	2,630.6	242.4	-435.5	498.4	0.00	0.00	0.00
2,800.0	18.15	299.10	2,725.6	257.5	-462.8	529.6	0.00	0.00	0.00
2,900.0	18.15	299.10	2,820.7	272.7	-490.0	560.7	0.00	0.00	0.00
3,000.0	18.15	299.10	2,915.7	287.8	-517.2	591.9	0.00	0.00	0.00
3,100.0	18.15	299.10	3,010.7	303.0	-544.4	623.0	0.00	0.00	0.00
3,200.0	18.15	299.10	3,105.7	318.1	-571.6	654.2	0.00	0.00	0.00
3,300.0	18.15	299.10	3,200.8	333.3	-598.8	685.3	0.00	0.00	0.00
3,409.8	18.15	299.10	3,305.1	349.9	-628.7	719.6	0.00	0.00	0.00
Start Drop -1.50									
3,500.0	16.80	299.10	3,391.1	363.1	-652.4	746.6	1.50	-1.50	0.00
3,600.0	15.30	299.10	3,487.2	376.5	-676.6	774.3	1.50	-1.50	0.00
3,632.3	14.81	299.10	3,518.4	380.6	-683.9	782.7	1.50	-1.50	0.00
Garden Gulch									
3,700.0	13.80	299.10	3,584.0	388.8	-698.5	799.4	1.50	-1.50	0.00
3,800.0	12.30	299.10	3,681.4	399.7	-718.2	822.0	1.50	-1.50	0.00
3,900.0	10.80	299.10	3,779.4	409.5	-735.7	842.0	1.50	-1.50	0.00
4,000.0	9.30	299.10	3,877.9	418.0	-751.0	859.4	1.50	-1.50	0.00
4,100.0	7.80	299.10	3,976.8	425.2	-763.9	874.3	1.50	-1.50	0.00
4,200.0	6.30	299.10	4,076.0	431.2	-774.7	886.6	1.50	-1.50	0.00
4,300.0	4.80	299.10	4,175.5	435.9	-783.1	896.2	1.50	-1.50	0.00
4,400.0	3.30	299.10	4,275.3	439.3	-789.3	903.3	1.50	-1.50	0.00
4,500.0	1.80	299.10	4,375.2	441.4	-793.2	907.7	1.50	-1.50	0.00



Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well GDU 63-6-22
Company:	Vantage Energy	TVD Reference:	GDU 63-6-22 @ 6972.4ft (Original Well Elev)
Project:	Duchesne County, UT	MD Reference:	GDU 63-6-22 @ 6972.4ft (Original Well Elev)
Site:	SECTION 6 T6S, R3W	North Reference:	True
Well:	GDU 63-6-22	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
4,600.0	0.30	299.10	4,475.2	442.3	-794.8	909.6	1.50	-1.50	0.00	
4,619.8	0.00	0.00	4,495.0	442.4	-794.8	909.6	1.50	-1.50	0.00	
Start 1656.0 hold at 4619.8 MD										
4,620.2	0.00	0.00	4,495.4	442.4	-794.8	909.6	0.00	0.00	0.00	
Douglas Creek										
4,700.0	0.00	0.00	4,575.2	442.4	-794.8	909.6	0.00	0.00	0.00	
4,800.0	0.00	0.00	4,675.2	442.4	-794.8	909.6	0.00	0.00	0.00	
4,900.0	0.00	0.00	4,775.2	442.4	-794.8	909.6	0.00	0.00	0.00	
5,000.0	0.00	0.00	4,875.2	442.4	-794.8	909.6	0.00	0.00	0.00	
5,100.0	0.00	0.00	4,975.2	442.4	-794.8	909.6	0.00	0.00	0.00	
5,200.0	0.00	0.00	5,075.2	442.4	-794.8	909.6	0.00	0.00	0.00	
5,300.0	0.00	0.00	5,175.2	442.4	-794.8	909.6	0.00	0.00	0.00	
5,400.0	0.00	0.00	5,275.2	442.4	-794.8	909.6	0.00	0.00	0.00	
5,500.0	0.00	0.00	5,375.2	442.4	-794.8	909.6	0.00	0.00	0.00	
5,516.2	0.00	0.00	5,391.4	442.4	-794.8	909.6	0.00	0.00	0.00	
Castle Peak										
5,600.0	0.00	0.00	5,475.2	442.4	-794.8	909.6	0.00	0.00	0.00	
5,700.0	0.00	0.00	5,575.2	442.4	-794.8	909.6	0.00	0.00	0.00	
5,800.0	0.00	0.00	5,675.2	442.4	-794.8	909.6	0.00	0.00	0.00	
5,900.0	0.00	0.00	5,775.2	442.4	-794.8	909.6	0.00	0.00	0.00	
5,970.2	0.00	0.00	5,845.4	442.4	-794.8	909.6	0.00	0.00	0.00	
Uteland Butte										
6,000.0	0.00	0.00	5,875.2	442.4	-794.8	909.6	0.00	0.00	0.00	
6,100.0	0.00	0.00	5,975.2	442.4	-794.8	909.6	0.00	0.00	0.00	
6,176.2	0.00	0.00	6,051.4	442.4	-794.8	909.6	0.00	0.00	0.00	
Wasatch										
6,200.0	0.00	0.00	6,075.2	442.4	-794.8	909.6	0.00	0.00	0.00	
6,275.8	0.00	0.00	6,151.0	442.4	-794.8	909.6	0.00	0.00	0.00	
TD at 6275.8										

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
0.0	0.0	Green River		0.00		
3,632.3	3,518.4	Garden Gulch		0.00		
4,620.2	4,495.4	Douglas Creek		0.00		
5,516.2	5,391.4	Castle Peak		0.00		
5,970.2	5,845.4	Uteland Butte		0.00		
6,176.2	6,051.4	Wasatch		0.00		



Payzone Directional
Planning Report



Database:	EDM 2003.21 Single User Db	Local Co-ordinate Reference:	Well GDU 63-6-22
Company:	Vantage Energy	TVD Reference:	GDU 63-6-22 @ 6972.4ft (Original Well Elev)
Project:	Duchesne County, UT	MD Reference:	GDU 63-6-22 @ 6972.4ft (Original Well Elev)
Site:	SECTION 6 T6S, R3W	North Reference:	True
Well:	GDU 63-6-22	Survey Calculation Method:	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
500.0	500.0	0.0	0.0	Start Build 1.50
1,710.0	1,689.9	92.4	-166.1	Start 1699.8 hold at 1710.0 MD
3,409.8	3,305.1	349.9	-628.7	Start Drop -1.50
4,619.8	4,495.0	442.4	-794.8	Start 1656.0 hold at 4619.8 MD
6,275.8	6,151.0	442.4	-794.8	TD at 6275.8

CONFIDENTIAL

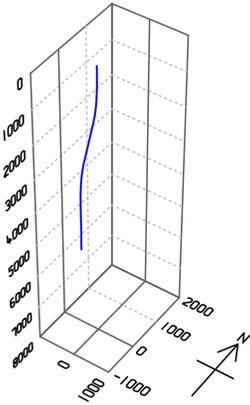


Project: Duchesne County, UT
 Site: SECTION 6 T6S, R3W
 Well: GDU 63-6-22
 Wellbore: Wellbore #1
 Design: Design #1

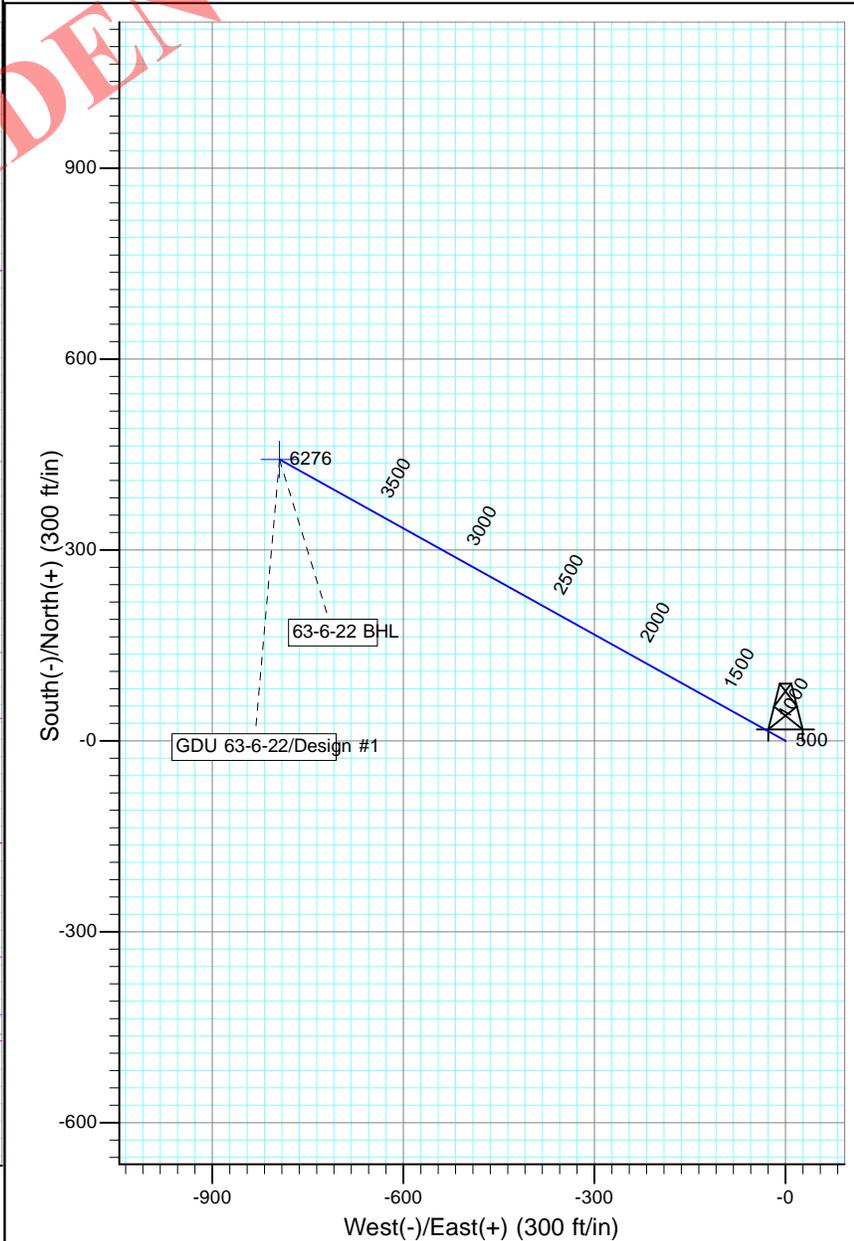
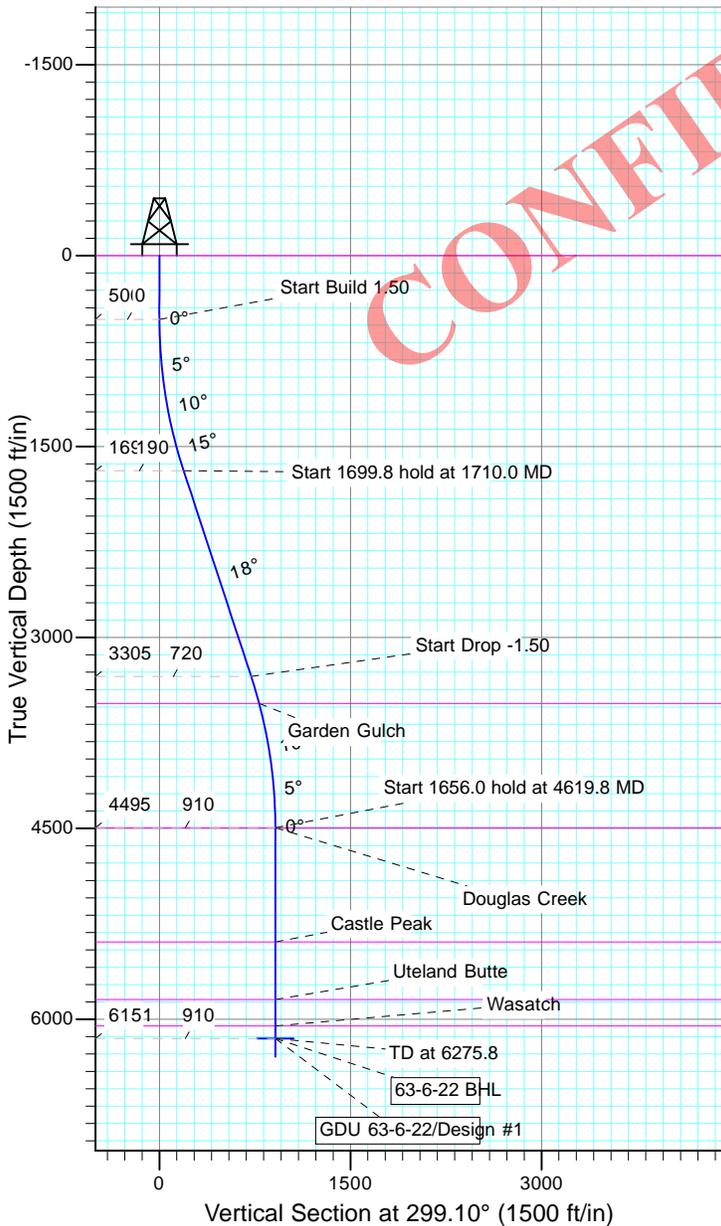


Azimuths to True North
 Magnetic North: 11.13°

Magnetic Field
 Strength: 52065.9snT
 Dip Angle: 65.68°
 Date: 4/14/2013
 Model: IGRF200510



FORMATION TOP DETAILS										
TVDP	MD	Path	Formation							
0.0	0.0		Green River							
3518.4	3632.3		Garden Gulch							
4495.4	4620.2		Douglas Creek							
5391.4	5516.2		Castle Peak							
5845.4	5970.2		Uteland Butte							
6051.4	6176.2		Wasatch							
WELLBORE TARGET DETAILS										
Name	TVD	+N/-S	+E/-W	Shape						
63-6-22 BHL	6151.0	442.4	-794.8	Point						
SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	500.0	0.00	0.00	500.0	0.0	0.0	0.00	0.00	0.0	
3	1710.0	18.15	299.10	1689.9	92.4	-166.1	1.50	299.10	190.1	
4	3409.8	18.15	299.10	3305.1	349.9	-628.7	0.00	0.00	719.6	
5	4619.8	0.00	0.00	4495.0	442.4	-794.8	1.50	180.00	909.6	
6	6275.8	0.00	0.00	6151.0	442.4	-794.8	0.00	0.00	909.6	63-6-22 BHL



Vantage Energy Uinta LLC
GDU 63-6-22
SHL: 2,422' FNL 2,492' FEL (SW/4 NE/4)
BHL: ±1,980' FNL ±1,980' FWL (SE/4 NW/4)
Sec. 6 T6S R3W
Duchesne County, Utah
Surface: Federal
Federal Mineral Lease: UTU78235
Gilsonite Draw Federal Unit: UTU86249X

SURFACE USE PLAN OF OPERATIONS

This Application for Permit to Drill (APD) is filed under the APD process as stated in Onshore Order No. 1 and supporting Bureau of Land Management (BLM) documents. This APD process will include an onsite meeting as determined by BLM, at which time the specific concerns of Vantage Energy Uinta LLC (Vantage) and USFS/BLM will be discussed. Best efforts have been made to address specific concerns of the BLM representatives.

- * Specific stipulations were taken from previous onsites for wells in the same area and are shown as starred.

WELL LOCATION AND INTRODUCTION:

The wellsite was surveyed and staked at 2,422' FNL 2,492' FEL (SW/4 NE/4) of Sec. 6 T6S R3W on October 24, 2012, by Uintah Engineering & Land Surveying (Uintah), Surveyor, on a site that is geologically and topographically acceptable. The bottomhole is anticipated at ±1,980' FNL ±1,980' FWL (SE/4/NW/4) of Sec. 6 T6S R3W. The location lies within the Gilsonite Draw Federal Unit identified by the Serial Register Number UTU86249X.

The proposed well will be placed on the existing GDU 63-6-23 wellpad. The wellpad was not visited during the onsites with the USFS on November 1, 2012. If the BLM requests an onsite we will request they contact us to schedule one.

DIRECTIONS TO LOCATION

From Myton, Utah, proceed in a southwesterly direction along Highway ±8.8 miles to the Junction of this road and Antelope Canyon Road to the south. Turn left and proceed in southerly, then southwesterly direction along the Antelope Canyon Road ±6.6 miles to the junction of this road and existing road to the southeast. Turn left and proceed in a southeasterly direction ±1.0 mile to the junction of this road and an existing road to the east. Turn left and proceed in an easterly direction ±0.6 miles to the junction of this road and an existing road to the south. Turn right and proceed in a southerly, then southwesterly direction approximately ±5.2 miles to the junction of this road and an existing road to the east. Turn left and proceed in an easterly direction ±300' to the proposed location. Total distance from Myton, Utah is ±22.3 miles.

- 1) EXISTING ROADS (See Topos A and B)
 - A) The well is an exploratory well.
 - B) Existing roads within 1.00 mile consists of an existing Forest Service Road, to within 0.06 miles, which will provide access to the proposed location.
 - C) Plans for improvement and/or maintenance of existing roads are to maintain in as good or better conditions than at present.

2) PLANNED ACCESS ROADS (See Topos A and B)

No new construction is planned; however, the criteria below will be utilized in the event the existing road requires upgrading.

- * A) Running surface width to be approximately 14'-16', total disturbed width to be no more than 30'. Plans for improvement and/or maintenance of existing roads are to maintain in as good or better conditions than at present. Access roads associated with this location will be maintained and kept in good repair during drilling, completion and production operations. Road maintenance will including grading, maintaining drainage, watering (as needed), fixing mud holes and snow removal. Snow removal will be done in a manner approved by the USFS in order to reduce road surface loss and erosion.
- B) Borrow ditches to be backsloped 3:1 or shallower. Weather permitting, the access road will be mowed and the borrow ditch material will be pulled over the top of the mowed area.
- C) Maximum grades will not exceed 10%.
- D) Culverts are not anticipated. If necessary, culverts will be installed prior to drilling operations and riprap will be placed at the inlet and outlet. Drainage to consist of wing ditches between the existing road and the wellsite and will be installed prior to commencing drilling operations. The borrow ditches along the proposed access road will be re-seeded if the well is completed as a producer. The reseeded of the borrow ditches will reduce the area utilized by this location.
- E) Surfacing material, if necessary, will consist of native material from borrow ditches. The topsoil will be cleared by fanning back during the construction and crowning of the road. Upon commencement of road construction, the topsoil will be replaced in the borrow ditches.
- F) No major road cuts are necessary.
- * G) All road constructed by Vantage will be closed to public motorized use by installing a USFS approved gate with signage stating "Authorized Vehicles Only".
- H) Road construction on public lands shall meet the minimum standards listed in BLM Manual Section 9113 and shall be constructed under the direction of a qualified construction supervisor(s). The qualified construction supervisor shall be an engineer, company superintendent or other representative who is competent and knowledgeable in oilfield road and drillsite construction, and able to speak for the operator. The dirt contractor, or drilling/completion foremen whose primary expertise is not in construction, do not qualify as construction supervisors.
- * J) Construction vehicles and equipment will be cleaned, power-washed, and free of soil and vegetation debris prior to entry and use of access roads to prevent transporting weed seeds.
- * K) Graveling or capping the roadbed will be performed as necessary to provide and maintain safe and well-constructed road.
- * L) If additional review/permitting of road drainage is required, Vantage will submit necessary permits.
- * M) Construction and maintenance will not be performed when the ground or topsoil is frozen or too wet to adequately support construction equipment. If such equipment creates ruts in excess of four (4) inches deep, the soil will be deemed too wet.
- * N) Appropriate water control structure for roads will be installed to control erosion if necessary. If necessary, check dams in new drainage ditches will be installed for road grades in excess of six (6) percent.

3) LOCATION OF EXISTING WELLS

Oil and Gas Wells: See UDOGM Wells within a 1-Mile Radius Map.
Water Wells : None.

LOCATION OF EXISTING PRODUCING FACILITIES OPERATED BY VANTAGE

Current production facilities are located on this location for the:

GDU 63-6-23 2,416' FNL 2,478' FEL (SW/4 NE/4) Sec. 6 T6S R3W

4) NEW PRODUCTION FACILITIES PROPOSED (Figure 1-4)

- A) USFS/BLM will be contacted prior to construction of production facilities. A Sundry Notice (SN) will be filed if requested by BLM.
- B) Dimension of existing facility with existing "Reserve" Pit Backfill and Spoils Pile and Topsoil Stockpiles is $\pm 400' \times \pm 315' = 126,000 \text{ ft}^2$, for drilling operations. Total existing disturbance is ± 3.0 acres.
- * C) Construction and maintenance will not be performed when the ground or topsoil is frozen or too wet to adequately support construction equipment. If such equipment creates ruts in excess of four (4) inches deep, the soil will be deemed too wet.
- D) Production equipment will be painted light reflective colors to limit evaporation and waste of liquid hydrocarbons. All above ground permanent structures will be painted to blend with the surrounding landscape. The color specified color will be determined and provided by the USFS.
- E) Production facilities may vary according to actual reservoir discovered and will be engineered upon completion of well tests. Production facilities will be clustered and placed away from cut/fill slopes to allow the maximum recontouring of cut/fill slopes. To reduce the view of production facilities from visibility corridors and private residences, facilities will not be placed in visually exposed locations (such as ridgelines and hilltops). The tallest structure will be no greater than 20' in height.
- F) If well is a producer all production facilities will be authorized by a SN.
- G) No facilities will be constructed off location.
- * H) Production facilities will be located to allow for optimal reduction in well pad working size, following interim reclamation.
- * I) Pump jacks will be equipped with high grade mufflers, to reduce noise impacts to wildlife and Forest visitors.

5) LOCATION OF WATER SUPPLY (See Exhibit 5)

- A) Water will be transported by truck from the Ouray Municipal Water Plant at Ouray, Utah, and or Target Trucking Inc.'s water source in the SW/SW, Sec. 35 T9S R22E (State Water Right No. 49-1501).
Anticipated water use is as follows:
Mud drilling water requirements are anticipated to be approximately 10,814 bbls
(454,188 gallon [US, liquid] = 1.3938419 acre foot [US survey]).
Road watering will be done only if dry conditions dictate, and would utilize approximately 900 bbls (37,800 gallons or 0.11 acre feet).

6) SOURCE OF CONSTRUCTION MATERIALS

- A) If needed, additional construction materials will consist of native materials from borrow ditches and location areas accumulated during the construction of the location sites and access roads.
- B) Surfacing materials will be obtained from available permitted sources, if needed, and consist of pit gravel.

7) WASTE DISPOSAL

- * A) Drill cuttings will be buried in a cuttings pit when dry.
- B) A closed loop system will be used, no reserve pit required.

- * C) Drill cuttings will be encapsulated with impermeable material in a cuttings pits, and buried with at least four (4) feet of cover materials.
- D) Flare pit for air drilling will (if used) be located minimum 100' from wellbore.
- * E) Produced fluid will be contained in test tanks, surrounded by a plastic-lined earthen berm or other containment structure, during completion and testing. The volume of the secondary containment structure will exceed 150% of the volume of the largest tank it surrounds.
- F) Sewage disposal facilities will be in accordance with State and Local Regulations. Sewage may not be buried on location or put in a borehole. Utah Department of Environmental Quality (UT DEQ) Regulations prevent this unless a UT DEQ Permit is obtained.
- G) Garbage and other waste - burnable waste will be contained in a portable trash cage which will be totally enclosed with small mesh wire. Cage and contents will be transported to and trash dumped at a UT DEQ approved Sanitary Landfill upon completion of operations.
- H) Trash will be picked up if scattered and contained in trash cage as soon as practical after rig is moved off.
- I) Upon release of the drilling rig, rathole and mousehole will be filled. Debris and equipment not required for production will be removed.
- 8) ANCILLARY FACILITIES
No ancillary facilities will be necessary.
- 9) WELLSITE LAYOUT (See Site Plan)
- A) See attached drillsite drawings.
- B) Roads and well production equipment, such as tanks, treaters, separators, vents, electrical boxes, and equipment associated with pipeline operation, will be placed on location so as to permit maximum interim reclamation of disturbed areas. If equipment is found to interfere with the proper interim reclamation of disturbed areas, the equipment may be moved so proper recontouring and revegetation can occur.
- D) No additional topsoil removal is anticipated. Topsoil has been stockpiled adjacent to the wellsite within the maximum disturbed area. The stockpile includes smaller surface vegetation and organic debris.
- E) Topsoil and spoils pile are clearly separated.
- * F) Erosion control measures and spill measures will be applied immediately following well pad construction and before drilling activities commence, pursuant to Vantage's General Permit to Discharge Stormwater under the Utah Pollutant Discharge Elimination System and accompanying site specific Stormwater Pollution Prevention Plan.
- * G) Production facilities will be located to allow for optimal reduction in well pad working size, following interim reclamation.
- 10) PIPELINES AND FLOWLINES²⁵
- A) Gas gathering pipelines will be located in the 35-foot right-of-way along access roads unless it is deemed to cause safety concerns or interfere with other resource mitigation measures.
- 11) SURFACE RESTORATION (General)
- A) Salvaging and spreading topsoil will not be performed when the ground or topsoil is frozen or too wet to adequately support construction equipment. If such equipment creates ruts in excess of four (4) inches deep, the soil will be deemed too wet.
- B) In areas that will not be drill-seeded, the seed mix will be broadcast-seeded at twice the application rate shown and covered 0.25 to 0.5 inches deep with a harrow or drag bar or will be broadcast-seeded into imprints, such as fresh dozer cleat marks.
- * C) Spring seeding is preferred and will be conducted between May 1 and June 15. If fall seeding implemented, seeding will be done between October 1 and November 1. Fall

seeding will be done when conditions are cold enough that the seeds won't sprout before the following spring.

- * D) Vantage will verify or create surface roughness in disturbed areas prior to seeding.
- E) Annual or noxious weeds shall be controlled on all disturbed areas as directed by the Field Office Manager. An intensive weed monitoring and control program will be implemented beginning the first growing season after interim and final reclamation. Noxious weeds that have been identified during monitoring will be promptly treated and controlled. A Pesticide Use Proposal (PUP) will be submitted to the USFS for approval prior to the use of herbicides. All reclamation equipment will be cleaned prior to use to reduce the potential for introduction of noxious weeds or other undesirable non-native species. The operator will coordinate all weed and insect control measures with state and/or local management agencies.
- F) Reclaimed areas will be monitored annually. Actions will be taken to ensure that reclamation standards are met as quickly as reasonably practical.
- G) Reclamation monitoring will be documented in a reclamation report and submitted to the AO. The report will document compliance with all aspects of the reclamation objectives and standards, identify whether the reclamation objectives and standards are likely to be achieved in the near future without additional actions, and identify actions that have been or will be taken to meet the objectives and standards. The report will also include acreage figures for: Initial Disturbed Acres; Successful Interim Reclaimed Acres; Successful Final Reclaimed Acres. Reports will not be submitted for sites approved by the AO in writing as having met interim or final reclamation standards. Any time 30% or more of a reclaimed area is redisturbed, monitoring will be reinitiated.
- H) The AO will be informed when reclamation has been completed, is successful, and the site is ready for final inspection.

INTERIM RESTORATION (Production)

- A) Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the existing pit area, back sloping and contouring all cut/fill slopes. These areas will be re-seeded immediately.
- B) Wellpad size will be reduced to minimum size necessary to conduct safe operations. Cuts/fills will be reduced to 3:1 or shallower.
- C) Cuttings pits will be closed and backfilled as soon as the pit contents are dry enough to do so, or no later than the end of the next full summer following rig release, whichever comes first, to allow sufficient time for the pit contents to dry. Any pits remaining open after this period will require written authorization of the AO. Immediately upon well completion, any hydrocarbons or trash in the pit will be removed. Pit will be allowed to dry, be pumped dry, or solidified in-situ prior to backfilling.
- D) Following completion activities, pit liners, if installed previously, will be removed or removed to the solids level and disposed of at an approved landfill, or treated to prevent their reemergence to the surface and interference with long-term successful revegetation. If it was necessary to line the pit with a synthetic liner, the pit will not be trenched (cut) or filled (squeezed) while containing fluids. When dry, the pit will be backfilled with a minimum of five (5) feet of soil material. In relatively flat areas, the pit area will be slightly mounded to allow for settling and to promote surface drainage away from the backfilled pit.
- E) The portions of the cleared well site not needed for operational and safety purposes will be recontoured to the original contour if feasible, or if not feasible, to an interim contour that blends with the surrounding topography as much as possible. Sufficient level area will remain for setup of a workover rig and to park equipment. In some cases, rig anchors may need to be pulled and reset after recontouring to allow for maximum interim reclamation.

- F) Topsoil will be evenly respread and aggressively revegetated over the entire disturbed area not needed for all-weather operations including road cuts/fills and to within a few feet of the production facilities, unless an all-weather, surfaced, access route or small "teardrop" turnaround is needed on the well pad.
- G) Initial seedbed preparation will consist of backfilling, leveling, and ripping all compacted areas. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding. Seeding will be conducted no more than 24 hours following completion of final seedbed preparation. A certified weed-free seed mix approved by USFS to meet reclamation standards will be used. The seed mix will be used on all disturbed surfaces including pipelines and road cut/fill slopes.
- H) To help mitigate the contrast of recontoured slopes, reclamation will include measures to feather cleared lines of vegetation and to save and redistribute cleared trees, debris, and rock over recontoured cut/fill slopes.
- J) Reclamation will be considered successful if the following criteria are met:
- 70 percent of predisturbance cover
 - 90 percent dominate species*
 - Erosion features equal to or less than surrounding area
- * The vegetation will consist of species included in the seed mix and/or occurring in the surrounding natural vegetation.
- * K) A masticating head will be used on the mulcher to mulch the native vegetation; then walk in with the cut/fill slope. Windrows will be created with the mulch on the pad and outlying areas to assist with pad stabilization, erosion prevention and noise reduction.
- * L) Interim reclamation will be conducted on all disturbed surfaces not needed for future operations, including portions of well pads no longer needed for future drilling activities. Where possible, interim reclamation efforts should begin within 12 months following pad construction and drilling activities. In cases where multi-well pads are not yet fully drilled, interim reclamation should be initiated within 24 months following the most recent well drilled on the pad.
- * N) A site specific interim reclamation plan will be submitted under separate cover before reclamation commences.

FINAL RESTORATION (P & A – Removal of equipment)

- A) Flowlines on location will be removed before site reclamation and all flowlines between the wellsite and production facilities will remain in place and will be filled with water.
- B) If necessary to ensure timely revegetation, the pad will be fenced to USFS standards to exclude livestock grazing for the first two growing seasons or until seeded species become firmly established, whichever comes later. Fencing will meet standards found on page 18 of the Gold Book, 4th Edition, or will be fenced with operational electric fencing.
- C) Revegetation will be accomplished by planting mixed grasses. Revegetation is recommended for road area as well as around production site.
- E) Initial seedbed preparation will consist of backfilling, leveling, and ripping all compacted areas. Final seedbed preparation will consist of contour cultivating to a depth of 4 to 6 inches within 24 hours prior to seeding. Seeding will be conducted no more than 24 hours following completion of final seedbed preparation. A certified weed-free seed mix approved by USFS to meet reclamation standards will be used. The seed mix will be used on all disturbed surfaces including pipelines and road cut/fill slopes.
- F) Distribute topsoil, if any remains, evenly over the location, and seed according to the above seed mixture. If needed the access road and location shall be ripped or disked prior to seeding. Perennial vegetation must be established. Additional work shall be required in case of seeding failures, etc.

- * G) All disturbed areas, including roads, pipelines, pads, production facilities, and interim reclaimed areas will be recontoured to the contour existing prior to initial construction or a contour that blends indistinguishably with the surrounding landscape. Resalvaged topsoil will be spread evenly over the entire disturbed site to ensure successful revegetation, avoiding undue mixing with deeper materials. To help mitigate the contrast of recontoured slopes, reclamation will include measures to feather cleared lines of vegetation and to save and redistribute cleared trees, woody debris, and large rocks over recontoured cut/fill slopes.
- * H) Final reclamation of the well pad will occur as soon as wells on that specific pad are no longer productive. Each well will be plugged, capped, and properly abandoned, and all surface equipment (included surface pipeline) associated with that pad will be removed. The well pad and associated cut and fill slopes will be recontoured to mimic adjacent natural topography, and disrupted drainage pathways will be restored. Previously salvaged soils will be spread over disturbed surfaces, which will then be seeded with vegetation. Sufficient erosion control for reclaimed sites is obtained when adequate groundcover is established, water naturally infiltrates into the soil, and gullying, head-cutting, slumping, and deep or excessive riling are not observed.

12) GENERAL INFORMATION

- A) Project area is situated in the undulated uplands of the western part of the Uintah Basin.
- B) Topographic and geologic features - moderate relief area, moderately drained, sandy-clay deposition, surrounded by rolling uplands with highly eroded drainages.
- C) Soil characteristics – clay/loam
- D) Flora consists of: Piñon pine, Juniper, Sagebrush, and short grasses.
- E) Fauna – observed: none.
- F) Concurrent surface use - grazing and recreation.
- G) Mineral Lessor
Bureau of Land Management
Vernal Field Office
170 South 500 East
Vernal, UT Phone: 435-781-4400
- H) Surface Owner
Drillsite:
United States Forest Service
Duchesne Ranger District
85 W. Main St.
Duchesne, UT 84021 Phone: 435-738-2482
Access:
United States Forest Service
Duchesne Ranger District
85 W. Main St.
Duchesne, UT 84021 Phone: 435-738-2482

Uintah and Ouray Indian Reservation
P.O. Box 190
Fort Duchesne, UT 84026 Phone: 435-781-5218
- I) Proximity of water, occupied dwellings or other features: un-named intermittent drainage ±850' to the southeast; flowing into Gilsonite Draw.
- J) Archaeological, cultural and historical information on federal lands has been completed previously by USFS.
- K) If any fossils are discovered during operations, the operator shall cease activity immediately and notify the AO so as to determine the significance of the discovery.

- L) A Class III (100% pedestrian) cultural resource inventory was previously completed by a qualified professional archaeologist in the following areas: Well location. A report of the inventory was submitted and approved by the BLM with stipulations as appropriate in order to comply with EO 11593 and Section 106 of the National Historic Preservation Act of 1966. See Section "General Information – K" above.
- M) The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the AO. The AO will inform the operator as to the work needed to determine the following:
- Whether the materials appear eligible for the National Register of Historic Places;
 - The mitigation measures the operator will likely have to undertake before the site can be used (assuming in site preservation is not necessary); and,
 - A timeframe for the AO to complete an expedited review to acquire the State Historic Preservation Officer's concurrence that the findings of the AO are correct and that mitigation is appropriate.
- N) Vantage Energy Uinta LLC maintains a file, per 29 CFR 1910.1200(g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be transported across these lands may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous substances, EHS, and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

Vantage Energy Uinta LLC
GDU 63-6-22
 SHL: 2,422' FNL 2,492' FEL (SW/4 NE/4)
 BHL: ±1,980' FNL ±1,980' FWL (SE/4 NW/4)
 Sec. 6 T6S R3W
 Duchesne County, Utah
 Surface: Federal
 Federal Mineral Lease: UTU78235
 Gilsonite Draw Federal Unit: UTU86249X

APPLICATION FOR PERMIT TO DRILL
 OPERATOR CERTIFICATION

LESSEE'S OR OPERATOR'S REPRESENTATIVE:

<u>Operator</u>	<u>Permit Agent</u>
Vantage Energy Uinta LLC 116 Inverness Drive East, Suite 107 Englewood, Colorado 80112 Phone: 303-386-8600 Fax: 303-386-8705 John Moran – Vice President -Operations	Upstream Petroleum Management, Inc. 7000 S. Yosemite St., Suite 290B Englewood, Colorado 80112 Phone: 303-942-0506 +Andrea Gross – Permit Agent <i>agross@upstreampm.com</i> +Kimberly Rodell – Permit Agent <i>krodell@upstreampm.com</i>

+ For any questions or comments regarding this permit.

OPERATOR CERTIFICATION:

I hereby certify that Vantage Energy Uinta LLC and its contractors and sub-contractors are responsible for the operations conducted under this application subject to the terms and conditions of the mineral lease. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Vantage Energy Uinta LLC under their nationwide bond, BLM Bond No. UTB000288.

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

June 4, 2013



Andrea Gross
 Permit Agent for Vantage Energy Uinta LLC



Ms. Diana Mason
State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, UT 84114

June 4, 2013

Re: Directional Drilling R649-3-11
Vantage Energy Uinta, LLC
GDU 63-6-22
SHL: 2,422' FNL 2,492' FEL (SW/4 NE/4)
BHL: ±1,980' FNL ±1,980' FWL (SE/4 NW/4)
Sec. 6 T6S R3W
Duchesne County, Utah
Surface: Federal
Federal Mineral Lease: UTU78235
Gilsonite Draw Federal Unit: UTU86249X

Dear Ms. Mason:

Pursuant to the filing of Vantage Energy Uinta LLC's (Vantage) Application for Permit to Drill regarding the above referenced well on June 4, 2013, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11, pertaining to the Exception of Location and Sitting of Wells.

- GDU 63-6-22 is an exploratory well located within the Gilsonite Draw Federal Unit No. UTU86249X.
- Vantage is permitting this well as stipulated by the United States Forest Service as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Vantage will be better able to utilize any proposed roads and or pipelines in the area.
- Vantage is the unit operator of the Gilsonite Draw Federal Unit. As it pertains to all depths from the surface to the base of the Wasatch Formation, Vantage certifies it is the sole working interest owner within 460 feet of the entire directional well bore and within Section 6 (federal oil and gas lease UTU 78235). As to all depths deeper than the Base of the Wasatch Formation, the sole working interest owner is Exxon Mobil Corporation (XOM). Vantage and XOM have entered into a mutually executed Exploration Agreement that provides for the possible development of those deeper depths.

Your Assets / Our Expertise

- Regulatory
- Storm-water Management Plans
- Project Coordination
- Permitting
- Government Relations
- EA/EIS Assistance

Utah Division Oil, Gas & Mining

June 4, 2013

Page 2 of 2

Based on the above stated information, Vantage requests the permit be granted pursuant to the terms and conditions of Rule R649-3-11.

Sincerely,



Andrea Gross
Permit Agent for Vantage Energy Uinta LLC

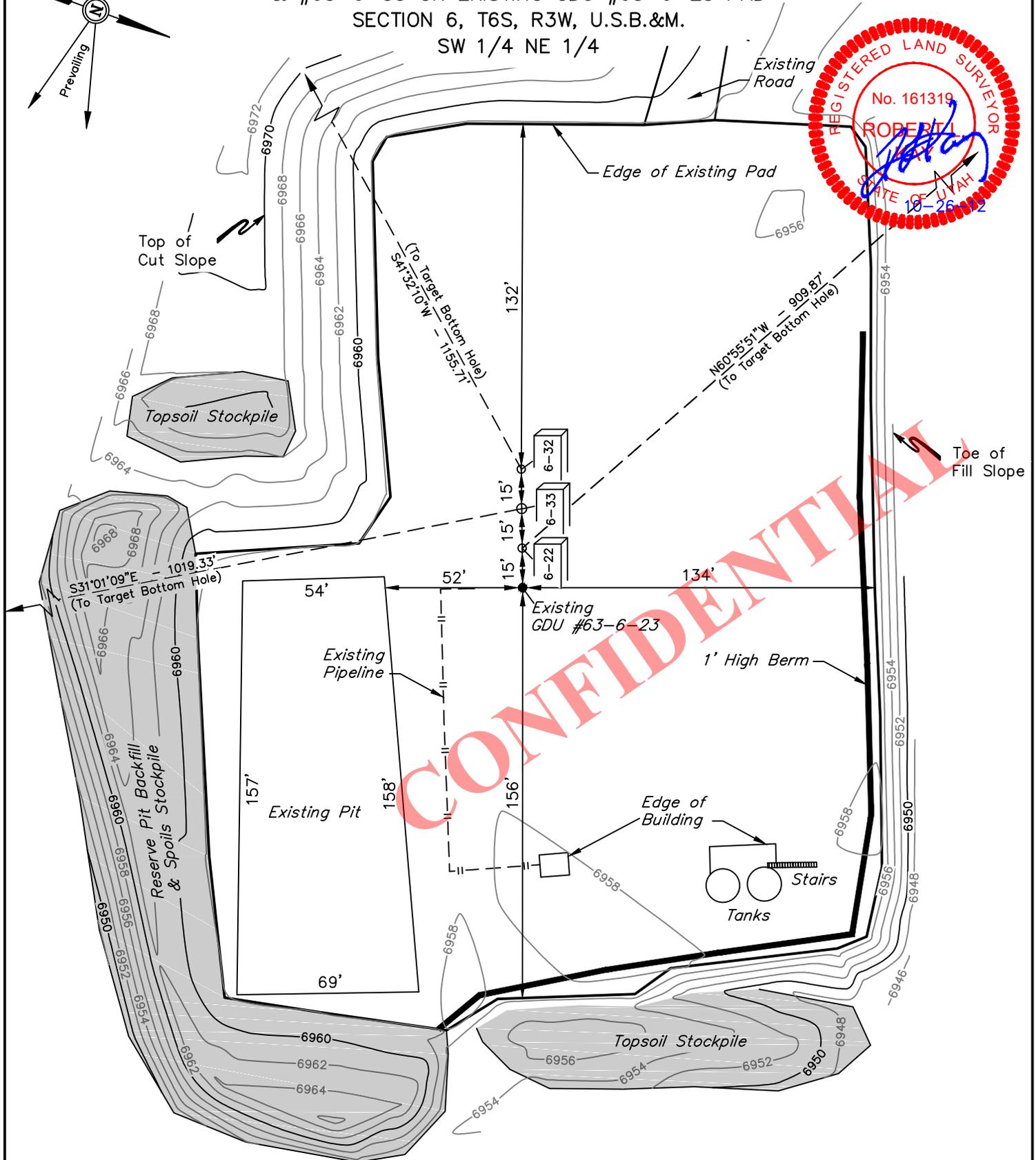
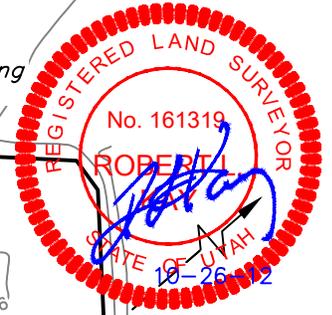
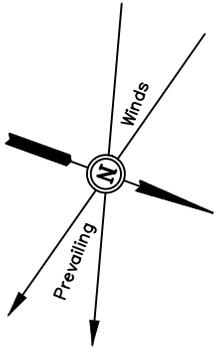
CONFIDENTIAL

Vantage Energy Uinta LLC

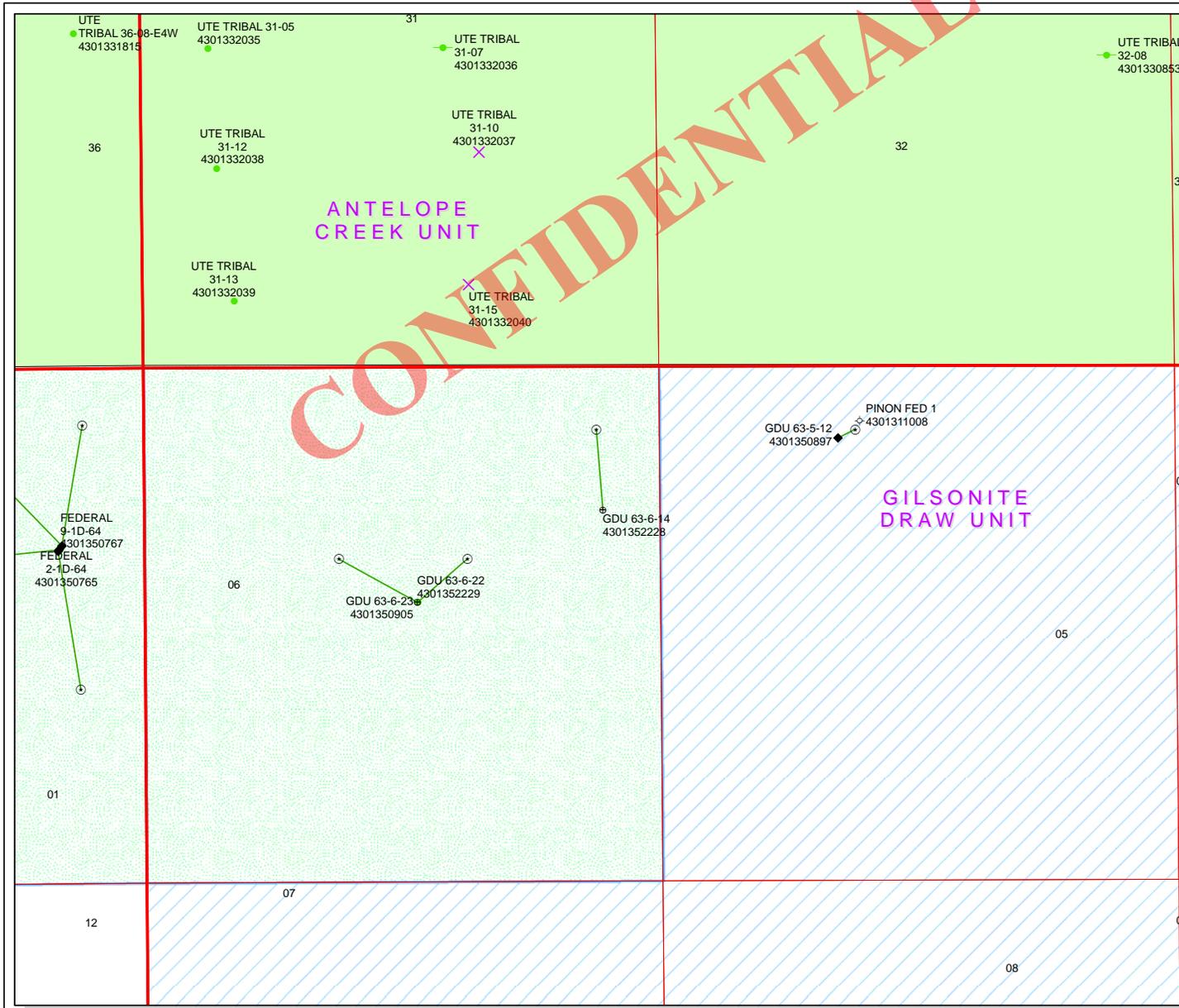
SITE PLAN FOR

PROPOSED GDU #63-6-22, #63-6-32
& #63-6-33 ON EXISTING GDU #63-6-23 PAD
SECTION 6, T6S, R3W, U.S.B.&M.
SW 1/4 NE 1/4

SCALE: 1" = 50'
DATE: 10-25-12
DRAWN BY: K.O.

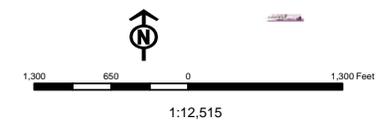


CONFIDENTIAL



API Number: 4301352228
Well Name: GDU 63-6-14
 Township T06.0S Range R03.0W Section 06
 Meridian: UBM
 Operator: VANTAGE ENERGY UINTA LLC
 Map Prepared:
 Map Produced by Diana Mason

- Units**
- STATUS**
- ACTIVE
 - EXPLORATORY
 - GAS STORAGE
 - NF PP OIL
 - NF SECONDARY
 - PI OIL
 - PP GAS
 - PP GEOTHERM
 - PP OIL
 - SECONDARY
 - TERMINATED



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101

IN REPLY REFER TO:

3160

(UT-922)

June 11, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Gilsonite Draw Unit,
Duchesne County, Utah.

Pursuant to email between Diana Mason, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Gilsonite Draw Unit, Duchesne County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-013-52228	GDU 63-6-14	Sec 06 T06S R03W 1479 FNL 0594 FEL BHL Sec 06 T06S R03W 0660 FNL 0660 FEL
43-013-52229	GDU 63-6-22	Sec 06 T06S R03W 2422 FNL 2492 FEL BHL Sec 06 T06S R03W 1980 FNL 1980 FWL

This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2013.06.11 11:15:12 -0600

bcc: File - Gilsonite Draw Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:6-11-13

RECEIVED: June 11, 2013

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/4/2013

API NO. ASSIGNED: 43013522290000

WELL NAME: GDU 63-6-22

OPERATOR: VANTAGE ENERGY UINTA LLC (N3295)

PHONE NUMBER: 303 941-0506

CONTACT: Andrea Gross

PROPOSED LOCATION: SWNE 06 060S 030W

Permit Tech Review:

SURFACE: 2422 FNL 2492 FEL

Engineering Review:

BOTTOM: 1980 FNL 1980 FWL

Geology Review:

COUNTY: DUCHESNE

LATITUDE: 39.98932

LONGITUDE: -110.26503

UTM SURF EASTINGS: 562747.00

NORTHINGS: 4426831.00

FIELD NAME: ANTELOPE CREEK

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU78235

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - UTB000288
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Ouray Municipal Water Plant (49-1501)
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

LOCATION AND SITING:

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

Comments: Presite Completed

Stipulations: 1 - Exception Location - bhill
4 - Federal Approval - dmason
15 - Directional - dmason
23 - Spacing - dmason



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: GDU 63-6-22
API Well Number: 43013522290000
Lease Number: UTU78235
Surface Owner: FEDERAL
Approval Date: 6/12/2013

Issued to:

VANTAGE ENERGY UINTA LLC, 116 Inverness Drive East, Ste 107, Englewood , CO 80112

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

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

Exception Location:

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

General:

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

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

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

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to

correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

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 at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

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:



For John Rogers
Associate Director, Oil & Gas

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

JUN 05 2013

APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

5. Lease Serial No.
UTU78235

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.
UTU86249X

8. Lease Name and Well No.
GDU 63-6-22

9. API Well No.
43-013-52229

10. Field and Pool, or Exploratory
WILDCAT

1a. Type of Work: DRILL REENTER

CONFIDENTIAL

1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator **VANTAGE ENERGY UINTA LLC** Contact: **ANDREA J GROSS**
E-Mail: **agross@upstreampm.com**

3a. Address
**116 INVERNESS DRIVE EAST, SUITE 107
ENGLEWOOD, CO 80112**

3b. Phone No. (include area code)
Ph: **303-942-0506 Ext: 103**

4. Location of Well (Report location clearly and in accordance with any State requirements. *)
At surface **SWNE 2422FNL 2492FEL 39.989261 N Lat, 110.265117 W Lon**
At proposed prod. zone **SWNW 1980FNL 1980FWL 39.990475 N Lat, 110.267953 W Lon**

11. Sec., T., R., M., or Blk. and Survey or Area
**Sec 6 T6S R3W Mer UBM
SME: USFS**

14. Distance in miles and direction from nearest town or post office*
23 MILES SOUTHWEST OF MYTON, UT

12. County or Parish **DUCHESNE** 13. State **UT**

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
2,422 FEET FROM LEASE LINE AND UNIT BOUNDARY 16. No. of Acres in Lease
250.48 (2250.48)

17. Spacing Unit dedicated to this well
160.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
15 FEET FROM NEAREST WELL

19. Proposed Depth
**6195 MD
6151 TVD**

20. BLM/BIA Bond No. on file
UTB000288

21. Elevations (Show whether DF, KB, RT, GL, etc.)
6958 GL

22. Approximate date work will start
07/01/2013

23. Estimated duration
90-120 DAYS

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature (Electronic Submission) Name (Printed/Typed) **ANDREA J GROSS** Ph: **303-942-0506 Ext: 103** Date **06/04/2013**

Title **PERMIT AGENT**

Approved by (Signature) Name (Printed/Typed) **Jerry Kenczka** Date **AUG 22 2013**

Title **Assistant Field Manager** Office **VERNAL FIELD OFFICE**
Lands & Mineral Resources

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached. **CONDITIONS OF APPROVAL ATTACHED**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
AUG 30 2013

Additional Operator Remarks (see next page)

Electronic Submission #209603 verified by the BLM Well Information System DIV. OF OIL, GAS & MINING
For VANTAGE ENERGY UINTA LLC, sent to the Vernal
Committed to AFMSS for processing by JOHNETTA MAGEE on 06/11/2013 (13JM0397AE)

NOTICE OF APPROVAL

UDOGM

** BLM REVISED **

Additional Operator Remarks:

The well is 15' from the nearest well, which is on the same pad. The well is approximately 1,319 feet from the nearest producing bottom hold which is the GDU 63-6-23.

Revisions to Operator-Submitted EC Data for APD #209603

Operator Submitted

BLM Revised (AFMSS)

Lease: UTU78235
Agreement: GILSONITE DRAW UT
Operator: VANTAGE ENERGY UINTA LLC
116 INVERNESS DRIVE EAST SUITE 107
ENGLEWOOD, CO 80112
Ph: 303-386-8600

UTU78235
UTU86249X (UTU86249X)
VANTAGE ENERGY UINTA LLC
116 INVERNESS DRIVE EAST, SUITE 107
ENGLEWOOD, CO 80112
Ph: 303-386-8600

Admin Contact: ANDREA J GROSS
PERMIT AGENT
UPSTREAM PETROLEUM MANAGEMENT, INC 7000 S. YOSEMITE INVERNESS DRIVE EAST, SUITE 107
ENGLEWOOD, CO 80112
Ph: 303-942-0506 Ext: 103

ANDREA J GROSS
PERMIT AGENT
UPSTREAM PETROLEUM MANAGEMENT, INC 7000 S. YOSEMITE INVERNESS DRIVE EAST, SUITE 107
ENGLEWOOD, CO 80112
Ph: 303-942-0506 Ext: 103

Cell: 720-339-4277
E-Mail: agross@upstreampm.com

Cell: 720-339-4277
E-Mail: agross@upstreampm.com

Tech Contact: ANDREA J GROSS
PERMIT AGENT
UPSTREAM PETROLEUM MANAGEMENT, INC 7000 S. YOSEMITE INVERNESS DRIVE EAST, SUITE 107
ENGLEWOOD, CO 80112

ANDREA J GROSS
PERMIT AGENT
UPSTREAM PETROLEUM MANAGEMENT, INC 7000 S. YOSEMITE INVERNESS DRIVE EAST, SUITE 107
ENGLEWOOD, CO 80112

Well Name: GDU
Number: 63-6-22

GDU
63-6-22

Location: UT
State: DUCHESNE
County: Sec 6 T6S R3W Mer UBM
S/T/R: SWNE 2422FNL 2492FEL 39.989261 N Lat, 110.265117 W Lon
Surf Loc:

UT
DUCHESNE
Sec 6 T6S R3W Mer UBM
SWNE 2422FNL 2492FEL 39.989261 N Lat, 110.265117 W Lon

Field/Pool: WILDCAT

WILDCAT

Bond: UTU000288

UTB000288

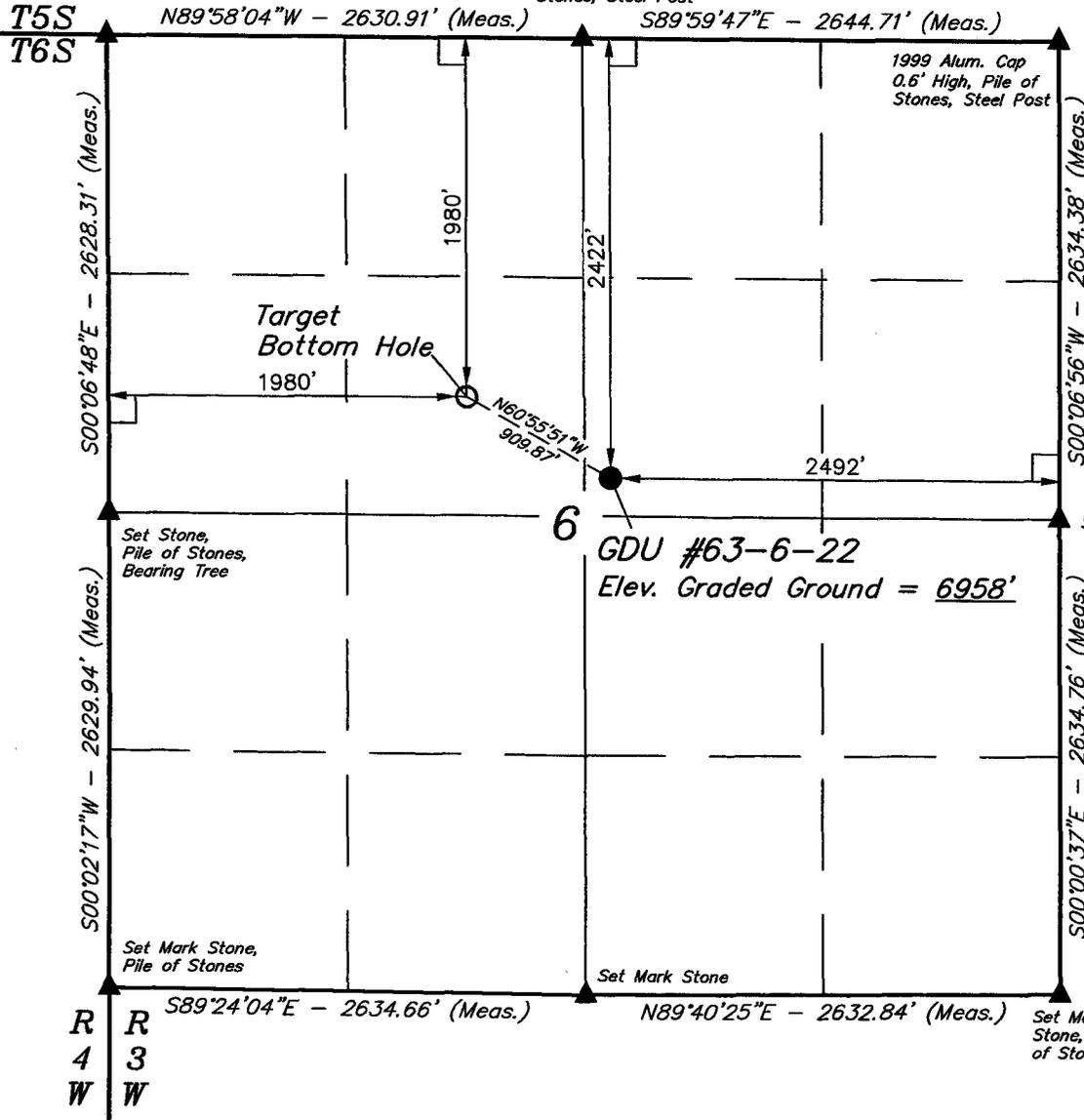
T6S, R3W, U.S.B.&M.

Vantage Energy Uinta LLC

1983 Alum. Cap
1.0' High, Pile of
Stones, Sign

Alum. Cap
1.0' High, Pile of
Stones, Steel Post

Well location, GDU #63-6-22, located as shown
in the SW 1/4 NE 1/4 of Section 6, T6S, R3W,
U.S.B.&M., Duchesne County, Utah.

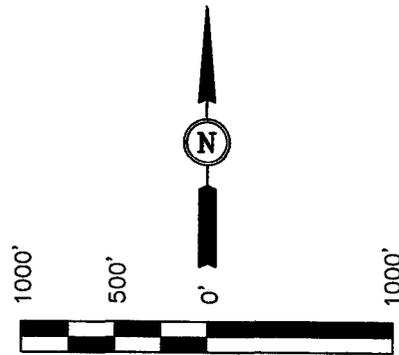


BASIS OF ELEVATION

BENCH MARK (M67) LOCATED IN THE SW 1/4 OF SECTION 9, T5S, R4W, U.S.B.&M. TAKEN FROM THE DUCHESNE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED ON CAP AS BEING 6097 FEET.

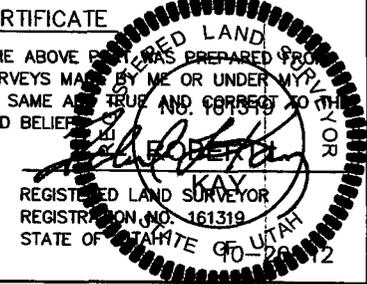
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE SURVEY 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.



LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°59'25.71" (39.990475)	LONGITUDE = 110°16'04.63" (110.267953)	LATITUDE = 39°59'21.34" (39.989261)	LONGITUDE = 110°15'54.42" (110.265117)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°59'25.84" (39.990511)	LONGITUDE = 110°16'02.08" (110.267244)	LATITUDE = 39°59'21.47" (39.989297)	LONGITUDE = 110°15'51.87" (110.264408)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-24-12	DATE DRAWN: 10-25-12
PARTY C.A. K.O.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Vantage Energy Uinta LLC	



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: VANTAGE ENERGY UINTA LLC
Well No: GDU 63-6-22
API No: 43-13-52229

Location: SWNE SEC 6 T6S R3W
Lease No: UTU-78235
Agreement: UTU86249X

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings to: blm_ut_vn_opreport@blm.gov
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

Well Number: GDU 63-6-22 (all USFS surface)

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COA's)***

General Conditions of Approval:

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.

Additional Conditions of Approval:

Vantage 2013 Oil and Gas Project - Required Mitigations and Design Elements

Compiled by David Herron, Forest Geologist
February 28, 2013

Introduction

As part of the approval decision for the Vantage 2013 Oil and Gas Project, the following mitigations and conditions of approval are being required. These conditions are in addition to the design elements and mitigations already incorporated within lease stipulations, and within the Surface Use Plans of Operations affected by the decision for this project.

Some of the mitigations and design elements listed below apply to multiple resource areas. In such cases, the mitigations are usually listed under the first resource area to which they apply, and are not repeated for subsequent resource areas to which they might also apply.

General

- Closed loop drilling systems will be used, to eliminate the need for reserve pits, reduce closure and waste management costs, and reduce potential for contamination from leaking.
- Production equipment will be painted to better blend-in with the surrounding area. The specific color for each well site to be determined and provided by the Forest Service.
- Heavy equipment use, and well pad and road construction or reconstruction activities, is not allowed when soils are wet or frozen.

Interim and Final Reclamation

- Site specific interim reclamation plans will be submitted for each well pad proposal, giving details of interim pad size, facility location during production phase, revegetation methods to be used on cut/fill slopes, and potential sources for additional soil or soil amendments (should they be needed).
- The Operator will promptly seed and revegetate all disturbed areas not necessary for future operations, including well pad cut/fill slopes and road/pipeline rights of way. Revegetation should commence immediately after construction, or immediately after the disturbed area is reclaimed or no longer needed for future operations.
- Seeding will be accomplished using a Forest Service approved seed mixture. Post-construction seeding applications will continue until determined successful by the Forest Service. Seeding should generally be done in spring (May 1 - June 15) or fall (October 1 - November 1). Fall seeding must be done when conditions are cold enough that seeds won't sprout before the following spring. Verify or create surface roughness in disturbed areas prior to seeding.
- All seed mixtures, erosion control materials, and reclamation materials used will be certified weed free.
- Interim reclamation will be conducted on all disturbed surfaces not needed for future operations, including portions of well pads no longer needed for future drilling activities. Where possible, interim reclamation efforts should begin within 6 months following pad construction and drilling activities. In cases where multi-well pads are not yet fully drilled, interim reclamation should be initiated within 12 months following the most recent well drilled on the pad.
- During reclamation efforts, stockpiled topsoil materials should be redistributed over disturbed areas evenly, avoiding undue mixing with deeper materials.
- Production facilities should be located to allow for optimal reduction in well pad working size, following interim reclamation (for example near the center or entrance of the well pad).
- Final reclamation of a well pad will occur as soon as wells on that pad are no longer productive. Each well will be plugged, capped, and properly abandoned, and all surface equipment (including surface pipelines) associated with that pad will be removed. The well pad and associated cut and fill slopes will be recontoured to mimic adjacent natural topography, and disrupted drainage pathways will be restored. Previously salvaged soils will be spread over disturbed surfaces, which will then be seeded with vegetation (seed mix to be determined by the Forest Service). Sufficient erosion control for reclaimed sites is obtained when adequate groundcover is established, water naturally infiltrates into the soil, and gullying, head-cutting, slumping, and deep or excessive rilling are not observed.

Range / Weeds

- Fence well pads, as needed and as determined by the Forest Service, to prevent cattle from entering well pad areas.
- Fences and cattle guards damaged by project-related equipment or vehicles will be promptly repaired.
- Construction vehicles and equipment will be cleaned, power-washed, and free of soil and vegetation debris prior to entry and use of access roads to prevent transporting weed seeds.
- The Operator will implement a weed control program to identify and control weeds within and adjacent to project-related roads and facilities. Weed control will be conducted through an approved Pesticide Use and Weed Control Plan. Weed monitoring and reclamation measures will be continued on an annual basis (or as frequently as the AO determines) throughout the life of the project. Herbicides shall be selected from those approved for use on the Ashley National Forest.

Roads and Transportation

- Contractors and employees are required to comply with all posted speed limits.
- All construction/operations traffic and vehicles will be confined to the approved road ROW and well pads, or additional areas as specified in an approved APD. No cross-country travel by vehicles will be allowed.
- New road construction will be the minimum necessary for safely conducting the approved activity. When no longer required for this project, new roads will be closed by re-contouring to match local topography, followed by scarification and reseeding.
- All roads constructed by the operator will be closed to public motorized use through the use of Forest Service approved signs and gates. Signs and gates related to well pads and operator-constructed access roads will be properly maintained by the operator.
- Access roads associated with this project will be maintained and kept in good repair by the operator, during drilling, completion, and producing operations. Road maintenance will include grading, maintaining drainage, watering (as needed), fixing mud holes, cleaning cattle guards, snow removal, etc. Snow removal will be done in a manner approved by the Forest Service in order to reduce road surface loss and erosion.

- A detailed transportation plan must be submitted for Forest Service review, for all new road construction and road reconstruction from Forest Roads 337 and 207 to Well Pad GDU 63-4-11. This transportation plan must be reviewed and approved by the Forest Service, before well pad or road construction or reconstruction activities can begin. This transportation plan will include:
 - Detailed route alignments, engineered designs and drawings of improved channel crossings, gate locations, signage locations, operating road width, road drain features, erosion control measures, and road maintenance plans.
 - Placement of a locked gate at or near the intersection with Forest Road 207. The gate and support posts will be signed “road closed” and “authorized vehicles only”.
 - A culvert for the spur road to Well Pad 63-6-24, where it crosses an ephemeral swale.
 - Engineered design plans for culverts or hardened road drainage crossings, for the drainage crossing located between Road 207 and well pad GDU 63-5-12, and for ephemeral drainage crossings between Well Pads GDU 63-5-12 and GDU 63-5-24.
 - Engineered design plans for any road sections crossing steep slopes or having road grades exceeding 5%.
- Road drainage crossings will be designed so they would not cause head-cutting, siltation or accumulation of debris in the channel. Additional review/permitting of road drainage crossings may be required from the U.S. Army Corps of Engineers (404 permit or General Permit 40) and from the State of Utah (401 permit or UPDES Storm-water Permit). It would be the responsibility of Vantage Energy to coordinate with these other agencies to determine if permitting is required.
- Open or low-water road drainage crossings shall include a boulder rock apron on the downstream side, with layers of cobble and gravel hardening the roadbed approaches.
- Needed culverts shall be sized by an engineer / hydrologist based on watershed area. Culvert inlets and outlets shall be hardened with boulder rock, to minimize erosion.
- New access roads and surface-disturbing activities will conform to the BLM Gold Book (BLM 2007) standards and/or Forest Service specifications.
- Graveling or capping the roadbed will be performed as necessary to provide and maintain safe and well constructed road.
- Appropriate water control structures for roads will be installed to control erosion. Check dams in new drainage ditches are needed for road grades in excess of 6%.
- Between well pads GDU 63-5-12 and GDU 63-5-24, the proposed access road crosses an existing unauthorized road. This unauthorized route must be closed on both sides of the new proposed road by ripping, seeding and placing vegetation for 100 feet.

- Gas gathering pipelines will be located in the 35-foot right-of-way along access roads, except as needed on a site-specific basis to resolve safety concerns, or to comply with other resource mitigation measures.

Water Resources

- A minimum 50-foot undisturbed vegetative buffer will be maintained between facilities (such as well pads, tank batteries, compressor stations) and ephemeral stream channels. In the case of gullies/deeply incised channels, the buffer will be measured from the vertical banks of adjacent terraces. Needed new road and pipeline construction within this 50-foot buffer zone will be minimized and generally limited to perpendicular or near-perpendicular channel crossings.
- Site specific erosion control plans will be submitted for each well pad proposal, and will be subject to Forest Engineer and Forest Hydrologist review and approval, prior to construction. Erosion control plans will provide details of erosion control measures proposed, in order to divert overland flow away from working pad surfaces, and to retain sediments or other pollutants within the well pad/disturbance footprint. Designs should include the use of engineered structures such as berms and diversion ditches, culverts, and sediment detention basins. Designs should show areas on cut and fill slopes that will receive seeding, topsoil placement, surface roughening, mulch, erosion matting, rock/woody debris placements or other proposed stabilization measures.
- Erosion and spill control measures (such as perimeter berms, ditches and detention basins) shall be in place for well pads immediately following well pad construction, and before drilling activity commences.
- All produced waste water shall be contained in tanks surrounded by a plastic-lined earthen berm or other impermeable structures. The volume of this secondary containment structure will exceed 150% of the volume of the largest tank it surrounds.
- Drill cuttings and muds must be encapsulated with impermeable material in a cuttings pit, and buried with at least 4 feet of cover materials. Otherwise, the cuttings must be transported off Forest and disposed in a state-approved waste facility. Cuttings shall not be left exposed or incorporated into well pad surfaces or roads.
- For Well Pad 63-6-24, boulder rock shall be placed along the base of the fill slope between stakes 2 and 3, to reduce risk of erosion on eastern edge of alluvial fan. Also round the pad working surface at SW corner, so that the base of the fill slope catches at corner stake 2.
- For Well Pad 63-5-12, rock armoring of the cut slope may be needed where a swale enters the well pad footprint, if erosion-resistant bedrock is not encountered at that location. If fill material is placed against the cut slope in this area during interim reclamation, rock and other erosion control measures shall be placed on top of the fill to minimize erosion at this location.

Soil Resources

- To prevent erosion of disturbed soils, vegetation and/or structural measures to control erosion will be implemented as soon as possible after initial soil disturbance.
- Engineering practices will be implemented as needed to control erosion from disturbed surfaces. Such engineering measures may include straw bales, silt fences, mulching, use of fiber mats, cross slope trenching, contour furrows, rock dams, terracing, or other erosion control practices as deemed necessary by the Forest Service.
- Topsoil shall be removed and stockpiled prior to well pad construction. This should include the top 6 inches of the soil profile, and should avoid undue mixing of coarser or deeper materials. Include smaller surface vegetation and organic debris with the excavated soil so it becomes part of the soil stockpile.
- Topsoil materials should be stockpiled no more than 4 feet thick, and the amount of stockpiled material should be recorded.

Cultural Resources

- Construction activities within cultural sites that do not meet National Register eligibility criteria will be monitored by a professional archaeologist approved by the Forest Archaeologist. Specifically, site 42DC3372 / AS-2346 will be monitored along Forest Road 207 during road construction or reconstruction activities. The proponent will coordinate with the Forest Archaeologist in regards to specific locations and requirements for monitoring.
- Gas pipelines will be placed adjacent to approved access roads to ensure that pipeline routes do not impact cultural resource sites. Alternate routes must be reviewed by the Forest Archaeologist.
- All personnel, subcontractors, and consultants associated with the project will refrain from collecting or damaging archaeological resources on Ashley National Forest Lands. This will be accomplished by complying with the process and guidelines outlined in the document "Ashley NF Archaeological Rules and Restrictions for Oil and Gas Development".
- If cultural resources are inadvertently discovered, construction activities will be halted within 100 feet of the discovery, and the Forest Service will be notified. The Forest Service and proponent will then follow the process outlined in the document "Ashley NF Cultural Resource Inadvertent Discovery Plan". Operations within 100 feet of the discovery area will not resume until authorization to proceed has been received from the Forest Service.

Paleontological Resources

- Paleontological monitoring of surface-disturbing activities will be required during construction of the GDU 63-6-24 and GDU 63-7-31 well pad sites. Paleontological monitoring may involve concurrent observation of all construction activities within a given construction area, or may consist of periodic spot-checking and salvage of observed fossil resources, as determined by the Forest Service on an ongoing case-by-case basis.
- Any significant fossils identified during paleontological surveys or monitoring efforts will be collected by a qualified paleontologist, properly documented, and transferred to a Forest Service-approved paleontological repository for curation.
- If significant paleontological resources are discovered, construction activities would be halted and the Forest Service notified. Ground disturbing operations in the area of the discovery would not resume until authorization to proceed has been received from the Forest Service.

Wildlife

- Well pad and road construction, road upgrades, and drilling operations will not occur between November 15th and April 30th, to protect elk winter range.
- Pump jacks will be equipped with high grade mufflers, to reduce noise impacts to wildlife and Forest visitors.
- Prior to ground disturbing activities within the migratory bird nesting season (May 15–June 30), surveys for BCC and PIF priority species will be conducted. If any of these species are detected during the surveys, a nest search will be conducted. If nests are found or are suspected, then no ground-disturbing activities would be allowed from May 15–June 30 within 0.1 mile of the nest or estimated location of the nest.
- Ground surveys of the proposed Project Area will be conducted prior to construction activities to identify active or potentially active golden eagle nest sites. If golden eagle nests are detected within the Project Area, the following mitigation measures would be implemented to protect nesting golden eagles.
 - No permanent surface occupancy would be allowed within 0.5 mile of an active golden eagle nest to reduce the risk of decreased productivity or nest failure, unless topography eliminates the risk of abandonment.
 - Unless topography eliminates the risk of nest abandonment, no temporary project activities can occur within a 0.5 mile buffer of an occupied golden eagle nest between April 30 and August 31.
 - Shielding pipeline installation equipment, well sites, and other facilities with camouflage netting, where there is line of sight from active nests to the activity.

Air Quality

- The Operator will use drill rigs that meet the EPA Tier II emission standards or better for the life of the project (LOP).
- The Operator will conduct green completions to minimize natural gas/methane and volatile organic compound (VOC) emissions.
- The Operator will direct natural gas flowing from newly completed wells into the sales pipeline, or use it for fuel gas for on-site heaters and the pump jack engine.
- The Operator will install pump jack engines that meet the applicable New Source Performance Standards (NSPS) emission limits for pump jack engines.
- The Operator will install emission controls on condensate tank batteries and dehydrators with control efficiencies of greater than 95%.
- The Operator will test the efficiency of controls annually and ensure that flaring/combustors meet >90% efficiency.
- The Operator will install viton/teflon seals for chemical and cold weather service (Enardo thief hatches and Stack Vents) on hatches and valves.
- The Operator will ensure that the design of VOC collection systems (piping, valves, etc.) are adequate for control systems for the LOP.
- The Operator will install low/no bleed pneumatic controllers and valves on all new equipment.
- The Operator will route pneumatic pump emissions to either emission control devices, or back into the process stream to eliminate emissions.
- The Operator will install secondary control systems on project-related compressor engines to reduce emissions. Potential secondary control systems include the following.
 - Installation of new ultra lean burn engines with oxidation catalysts and turbochargers.
 - Installation of rich burn engines equipped with three-way catalysts as a secondary control measure.
- The Operator will implement a leak detection program that is consistent with EPA Method 21, once gas production has ramped up to the point where compression is needed.
 - Leak detection surveys would be conducted on a quarterly basis, the results documented, and repairs made on a timely basis where leaks are detected.
 - A Leak Detection Plan would be submitted to the Forest Service and/or EPA for approval.

- The leak detection limit would be 10,000 parts per million (ppm) of methane. If a leak is discovered during an inspection, the leaking piece of equipment would be tagged, and the appropriate personnel would be notified. The tag would remain in place until the leak is repaired and re-sampled to verify the leak is no longer occurring.
 - Leaks at or above 10,000 parts per million (ppm) would be repaired within 15 days. An exception to this repair schedule would be if the leak is occurring on an essential component, where the repair would require the shutdown of a critical process unit that would affect operation of the proposed project. An example would be the shutdown of a compressor serving 25% of the field. If a leak above 10,000 ppm is discovered on a critical process unit, the leak would be repaired during the next scheduled shut down of the equipment for maintenance or other repairs, but would not exceed one year from the date of leak discovery.
 - Leak findings and repairs would be documented.
- To minimize fugitive dust during construction and production phases, roads need to be graveled in areas where the forest engineer deems road conditions necessitate addition of gravel to minimize dust.
 - Keep vehicle speeds at or below 25 miles per hour within the project area to minimize dust.
 - Dust abatement measures, including water (not production water) should be used to minimize fugitive dust at well pads and production roads, and is required on roads during construction and drilling operations. Some form of dust abatement is a state requirement for construction activities.
 - All air polluting equipment and machinery during all phases of oil and gas development must meet state and federal requirements.

Operator will request that the engines of its contractor's vehicles be properly maintained to minimize engine emissions

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

1. Gamma ray log shall be run from total depth to surface.
2. CBL will be run from TD to TOC.
3. Cement for the surface casing will be circulated to surface.
4. Cement for long-string shall be circulated 200' above surface casing shoe.

All Variances Granted Per APD

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in CD (compact disc) format to the Vernal BLM Field Office. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at www.ONRR.gov.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location ($\frac{1}{4}$ $\frac{1}{4}$, Sec., Twn, Rng, and P.M.).

- Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
 - All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
 - Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
 - All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
 - Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
 - A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
5. LEASE DESIGNATION AND SERIAL NUMBER: UTU78235	
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME: GILSONITE DRAW	
8. WELL NAME and NUMBER: GDU 63-6-22	
9. API NUMBER: 43013522290000	
9. FIELD and POOL or WILDCAT: ANTELOPE CREEK	
9. COUNTY: DUCHESNE	
9. STATE: UTAH	
1. TYPE OF WELL Gas Well	
2. NAME OF OPERATOR: VANTAGE ENERGY UINTA LLC	
3. ADDRESS OF OPERATOR: 116 Inverness Drive East, Ste 107 , Englewood , CO, 80112	
PHONE NUMBER: 303 386-8600 Ext	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2422 FNL 2492 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 06 Township: 06.0S Range: 03.0W Meridian: U	

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: 8/1/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input 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 checked="" 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.

Vantage Energy Uinta LLC requests an extension to the Application for Permit to Drill for the above referenced well for the maximum amount of time possible. Thank you.

**Approved by the
 Utah Division of
 Oil, Gas and Mining
 June 12, 2014**

Date: _____
By: 

NAME (PLEASE PRINT) Andrea Gross	PHONE NUMBER 303 941-0506	TITLE Project Coordinator
SIGNATURE N/A	DATE 6/10/2014	



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 43013522290000

API: 43013522290000

Well Name: GDU 63-6-22

Location: 2422 FNL 2492 FEL QTR SWNE SEC 06 TWNP 060S RNG 030W MER U

Company Permit Issued to: VANTAGE ENERGY UINTA LLC

Date Original Permit Issued: 6/12/2013

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: Andrea Gross

Date: 6/10/2014

Title: Project Coordinator Representing: VANTAGE ENERGY UINTA LLC



GARY R. HERBERT
Governor

SPENCER J. COX
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

August 20, 2015

Vantage Energy Uinta LLC.
116 Inverness Drive East, Ste 107
Englewood, CO 80112

Re: APD Rescinded – GDU 63-6-22, Sec. 6, T. 6S, R. 3W
Duchesne County, Utah API No. 43-013-52229

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on June 12, 2013. On June 12, 2014 the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective August 20, 2015.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,


Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 21 2015

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

BLM

5. Lease Serial No.
UTU78235

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No.
UTU86249X

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
GDU 63-6-22

2. Name of Operator
VANTAGE ENERGY UINTA LLC
Contact: ANDREA J GROSS
E-Mail: agross@upstreampm.com

9. API Well No.
43-013-52229-00-X1

3a. Address
116 INVERNESS DRIVE EAST, SUITE 107
ENGLEWOOD, CO 80112

3b. Phone No. (include area code)
Ph: 303-942-0506

10. Field and Pool, or Exploratory
WILDCAT

4. Location of Well (Footage Sec., T., R., M., or Survey Description)

Sec 6 T6S R3W SWNE 2422FNL 2492FEL
39.989261 N Lat, 110.265117 W Lon

11. County or Parish, and State
DUCHESNE COUNTY, UT

RECEIVED
DIV. OF OIL, GAS & MINING
1 & 2015

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A PD
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

This Sundry Notice is being submitted on behalf of Vantage Energy Uinta, LLC (Vantage) to the Bureau of Land Management (BLM). This SN is requesting an extension to the Application for Permit to Drill for the above referenced well for the maximum amount of time possible. No information has changed from the original APD.

Please contact the undersigned with any questions.

Thank you.

APD- 8/22/13
NEPA- 2013-250 EA

CONDITIONS OF APPROVAL ATTACHED

VERNAL FIELD OFFICE
ENG. <u>APD 9/23/15</u>
GEOLOGIST _____
E.S. _____
PETROLEUM _____
RECLAMATION _____

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #313481 verified by the BLM Well Information System
For VANTAGE ENERGY UINTA LLC, sent to the Vernal
Committed to AFMSS for processing by JOHNETTA MAGEE on 08/25/2015 (15JM2099SE)

Name (Printed/Typed) ANDREA J GROSS	Title PERMIT AGENT
Signature (Electronic Submission)	Date 08/21/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>[Signature]</u>	Title Assistant Field Manager Lands & Mineral Resources	Date SEP 24 2015
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office VERNAL FIELD OFFICE		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

UDOGM

Revisions to Operator-Submitted EC Data for Sundry Notice #313481

	Operator Submitted	BLM Revised (AFMSS)
Sundry Type:	OTHER NOI	APDCH NOI
Lease:	UTU78235	UTU78235
Agreement:	UTU86249X	UTU86249X (UTU86249X)
Operator:	VANTAGE ENERGY UINTA, LLC 116 INVERNESS DRIVE EAST SUITE 107 ENGLEWOOD, CO 80112 Ph: 303-386-8600	VANTAGE ENERGY UINTA LLC 116 INVERNESS DRIVE EAST, SUITE 107 ENGLEWOOD, CO 80112 Ph: 303-386-8600
Admin Contact:	ANDREA J GROSS PERMIT AGENT E-Mail: agross@upstreampm.com Cell: 720-339-4277 Ph: 303-942-0506	ANDREA J GROSS PERMIT AGENT E-Mail: agross@upstreampm.com Ph: 303-942-0506
Tech Contact:	ANDREA J GROSS PERMIT AGENT E-Mail: agross@upstreampm.com Cell: 720-339-4277 Ph: 303-942-0506	ANDREA J GROSS PERMIT AGENT E-Mail: agross@upstreampm.com Ph: 303-942-0506
Location:		
State:	UT	UT
County:	DUCHESNE	DUCHESNE
Field/Pool:	EXPLORATORY	WILDCAT
Well/Facility:	GDU 63-6-22 Sec 6 T6S R3W Mer SLB SWNE 2422FNL 2492FEL 39.989261 N Lat, 110.265117 W Lon	GDU 63-6-22 Sec 6 T6S R3W SWNE 2422FNL 2492FEL 39.989261 N Lat, 110.265117 W Lon



Upstream

Petroleum Management, Inc.

7000 S. Yosemite St., Suite 290B

Englewood, CO 80112

phone 303.942.0506

www.upstreampm.com

Mr. Mike Stiewig
Bureau of Land Management
Vernal Field Office
170 South 500 East
Vernal, Utah 84078

August 21, 2015

RE: Sundry Notice: APD Extension
Vantage Energy Uinta LLC
GDU 63-6-22
API No.: 43-013-52229
SHL: 2,422' FNL 2,492' FEL (SW/4 NE/4)
BHL: ±1,980' FNL ±1,980' FWL (SE/4 NW/4)
Sec. 6 T6S R3W
Duchesne County, Utah
Surface: Federal
Federal Mineral Lease: UTU78235
Gilsonite Draw Federal Unit: UTU86249X

Dear Mr. Stiewig:

Please find the federal Sundry Notice (SN) Form 3160-5 submitted to the Bureau of Land Management (BLM) via the electronic Well Information System (WIS), on behalf of Vantage Energy Uinta LLC (Vantage). This SN is being submitted to request an extension of the federal permit for the above referenced well for the maximum time allowed.

Please send a copy of all correspondence to Upstream Petroleum Management, Inc. at 7000 S. Yosemite St., Suite 290-B, Englewood, CO 80112. Please contact Andrea Gross or Kimberly Rodell at 303-942-0506 or at agross@upstreampm.com or krodell@upstreampm.com respectively, if you have any questions.

Your early attention to this Sundry Notice is greatly appreciated. Thank you for your assistance.

Sincerely,

Andrea Gross
Permit Agent for Vantage Energy Uinta LLC

Enclosures

cc: Vantage Energy Uinta LLC

Your Assets / Our Expertise

- Regulatory
- Storm-water Management Plans
- Project Coordination
- Permitting
- Government Relations
- EA/EIS Assistance

CONDITIONS OF APPROVAL

Vantage Energy Uinta, LLC

Notice of Intent APD Extension

Lease: UTU-78235
Well: GDU 63-6-22
Location: SWNE Sec 6-T6S-R3W

An extension for the referenced APD is granted with the following conditions:

1. The extension and APD shall expire on 08/22/2017.
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Robin L Hansen of this office at (435) 781-2777