

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 OP 7G-11-7-20
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 UNDESIGNATED
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO		5. UNIT or COMMUNITIZATION AGREEMENT NAME OURAY PARK
6. NAME OF OPERATOR QEP ENERGY COMPANY		7. OPERATOR PHONE 303 308-3068
8. ADDRESS OF OPERATOR 11002 East 17500 South, Vernal, Ut, 84078		9. OPERATOR E-MAIL debbie.stanberry@questar.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-86331	11. MINERAL 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')		12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		14. SURFACE OWNER PHONE (if box 12 = 'fee')
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')		16. SURFACE OWNER E-MAIL (if box 12 = 'fee')
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 type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2144 FNL 1841 FEL	SWNE	11	7.0 S	20.0 E	S
Top of Uppermost Producing Zone	2144 FNL 1841 FEL	SWNE	11	7.0 S	20.0 E	S
At Total Depth	2144 FNL 1841 FEL	SWNE	11	7.0 S	20.0 E	S

21. COUNTY UINTAH	22. DISTANCE TO NEAREST LEASE LINE (Feet) 1841	23. NUMBER OF ACRES IN DRILLING UNIT 1840
27. ELEVATION - GROUND LEVEL 4962	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 0	26. PROPOSED DEPTH MD: 11926 TVD: 7200
	28. BOND NUMBER ESB000024	29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE A36125/ 49-2153

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	9.625	0 - 480	36.0	J-55 ST&C	0.0	Rockies Lite	170	1.81	13.5
I1	8.75	7	0 - 6875	26.0	N-80 LT&C	9.0	Halliburton Light , Type Unknown	420	3.194	11.0
							Halliburton Premium , Type Unknown	170	1.4	13.5

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 type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

NAME Jan Nelson	TITLE Permit Agent	PHONE 435 781-4331
SIGNATURE	DATE 02/23/2011	EMAIL jan.nelson@questar.com

API NUMBER ASSIGNED 43047515040000	APPROVAL  Permit Manager
--	--

LOCATION OF LATERAL NUMBER 1	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
Location At Kickoff Point Depth: 6875	2144 FNL 1841 FEL	SWNE	11	7.0 S	20.0 E	S
Top of Uppermost Producing Zone	2144 FNL 1841 FEL	SWNE	11	7.0 S	20.0 E	S
At Total Depth	1500 FNL 700 FEL	SENE	14	7.0 S	20.0 E	S
COUNTY UINTAH	DISTANCE TO NEAREST LEASE LINE (Feet) 700					
DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 0	PROPOSED DEPTH MD: 11926 TVD: 7200					

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
L1	6.125	4.5	0 - 11926	11.6	N-80 LT&C	10.0	None	0	0.0	0.0

LOCATION OF LATERAL NUMBER 2	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
Location At Kickoff Point Depth: 7526	2144 FNL 1841 FEL	SWNE	11	7.0 S	20.0 E	S
Top of Uppermost Producing Zone	2144 FNL 1841 FEL	SWNE	11	7.0 S	20.0 E	S
At Total Depth	1300 FNL 1500 FEL	NWNE	2	7.0 S	20.0 E	S
COUNTY UINTAH	DISTANCE TO NEAREST LEASE LINE (Feet) 1300					
DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 0	PROPOSED DEPTH MD: 13308 TVD: 7438					

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
L2	6.125	4.5	0 - 13308	11.6	N-80 LT&C	10.0	None	0	0.0	0.0

QEP Energy
OP 7G-11-7-20
New Dual Horizontal Well
Summarized Procedure

1. MIRU air rig.
2. Drill 12 ¼" surface hole to 480', run 9 5/8", 36#, J-55, STC, cement to surface.
3. RD air rig, move off location.
4. MIRU drilling rig.
5. NU rig's 3,000 WP rated BOP. Test BOP's and surface casing.
6. PU straight hole BHA, drill out surface casing and 10' of new formation, run FIT.
7. Drill 8 ¾" hole to ~6,875', Intermediate TD.
8. TOO, LDDP
9. PU and run 7", 26#, N-80 LTC casing to intermediate TD. Cement same.
10. PU directional BHA, TIH.
11. Drill cement, float equipment, and 10' of new formation. FIT to 10.0 ppg.
12. Kick off at ~6,875', and drill 10' of new formation. FIT to 10.0 ppg.
13. Continue to build angle at a 166° azimuth with 14°/100' build rates to land in H4a formation at ~7,285' TVD and 7,526' MD.
14. Drill ~4,400' of lateral in H4a.
15. Mud system will be a water based mud with weights from 8.6 – 9.5 ppg.
16. Circulate and condition hole, POOH.
17. PU 4 ½" 11.6#, N-80 liner, open hole packers, liner hanger, and TBR.
18. RIH with liner and hang liner inside of 7" casing. Set open hole packers.
19. TOO.
20. RU wireline, RIH and set RBP.
21. Run & set 7" whipstock at approximately 6,775' on RBP, orient to 2.5°.
22. Mill window in 7" casing and drill pilot hole. TOO.
23. PU directional BHA, TIH, kick off and drill well at a 2.5° azimuth with 14°/100' build rates to land in H4a formation at ~7,302' TVD and ~7,526' MD.
24. Drill ~5,782' of lateral in the H4a.
25. Circulate and condition hole, TOO.
26. PU 4 ½" 11.6#, N-80 liner, open hole packers, liner hanger, and TBR.
27. RIH with liner and hang liner ~5' outside of the window. Set open hole packers.
28. POOH and LD DP.
29. Set BPV in wellhead.
30. ND BOPE & RDMOL.

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. **Formation Tops**

The estimated top of important geologic markers are as follows:

SSE Lateral #1:

<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Green River	4,020'	4,020'
Kick Off Point	6,875'	6,875'
H4a	7,293'	7,526'
TD	7,200'	11,926'

North Lateral #2:

<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Green River	4,020'	4,020'
Kick Off Point	6,775'	6,775'
H4a	7,302'	7,526'
TD	7,438'	13,308'

2. **Anticipated Depths of Oil, Gas, Water, and Other Mineral Bearing Zones**

The estimated depths at which the top and bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered as follows:

SSE Lateral #1:

<u>Substance</u>	<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Oil/Gas	H4a	7,293' – 7,200'	7,526' – 11,926'

North Lateral #2:

<u>Substance</u>	<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Oil/Gas	H4a	7,302' – 7,438'	7,526' – 13,308'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right A36125 (which was filed on May 7, 1964) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

3. Operator's Specification for Pressure Control Equipment

- A. 3,000 psi double gate, 3,000 psi annular (schematic attached)
- B. Function test daily.
- C. All casing strings shall be pressure tested (0.22 psi/ft or 1,500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield of the casing.
- D. Ram type preventers and associated equipment shall be tested to rated working pressure if isolated by a test plug or to 50% of the internal yield pressure of casing, whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil & Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 3M system and individual components shall be operable as designed.

4. Casing Program

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight, lb/ft	Grade	Thread	Condition	MW
17 1/2"	14"	sfc	40'	Steel	Cond.	None	Used	Air
12 1/4"	9 5/8"	sfc	480'	36.0	J-55	STC	New	Air
8 3/4"	7"	sfc	6,875	26.0	N-80	LTC	New	8-9 ppg

Casing Strengths:				Collapse	Burst	Tensile (minimum)
9 5/8"	36.0 lb.	J-55	STC	2,020 psi	3,520 psi	394,000 lb.
7"	26.0 lb.	N-80	LTC	5,410 psi	7,240 psi	519,000 lb.

The Lateral's will be lined with casing.

SSE lateral #1:

Hole Size	Casing Size	Top,MD	Bottom, MD	Weight	Grade	MW
6 1/8"	4 1/2"	6,825'	11,926'	11.6	N-80	8 – 10 ppg

North Lateral #2:

Hole Size	Casing Size	Top,MD	Bottom, MD	Weight	Grade	MW
6 1/8"	4 1/2"	6,775'	13,308'	11.6	N-80	8 – 10 ppg

Casing Strengths:				Collapse	Burst	Tensile (minimum)
4 1/2"	11.6 lb.	N-80	LTC	6,350 psi	7,780 psi	223,000 lb.

Please refer to the attached wellbore diagram procedure for further details.

5. Cementing Program

20" Conductor:

Cement to surface with construction cement.

9-5/8" Surface Casing: sfc – 480' (MD)

Lead/Tail Slurry: 0' – 480'. 170 sks (310 cu ft) Rockies LT cement + 0.25 lb/sk Kwik Seal + 0.125 lb/sk Poly-E-Flake. Slurry wt: 13.5 ppg, Slurry yield: 1.81 ft³/sk, Slurry volume: 12-1/4" hole + 100% excess.

7" Intermediate Casing: sfc – 6,875' (MD)

Lead: Sfc – 5,875' 420 sks (1325 cu ft) Halliburton Extendacem Cement + 3 pps Silicalite (Light Weight Additive) + 1% Econolite (Light Weight Additive) + 0.25 pps Poly-E-Flake (Lost Circulation Additive) + 1 pps Granulite TR ¼ (Lost Circulation Additive). Slurry Weight 11 lb/gal, Slurry Yield 3.194 ft³/sk, 50% Excess

Tail Slurry: 5,875' – 6,875'. 170 sks (234 cu ft) Bondcem Cement + 0.1% Fe-2 (Retarder) + 0.3% Halad (R)-344 (Fluid Loss Control) + 0.2% Versaset (Thixotropic Additive) + 0.2 % Super CBL Expander + 0.125 lb/sk Poly-E-Flake + 1.0 pps Granulite TR ¼ (Lost Circulation Additive). Slurry wt: 13.5 ppg, Slurry yield: 1.4 ft³/sk, 50% excess.

SSE Lateral #1: 6,875' – 11,926' (MD)

No cement, liner hung in open hole.

North Lateral #2: 6,775' – 13,308' (MD)

No cement, liner hung in open hole.

6. **Auxilliary Equipment**

- a. Kelly Cock – Yes
- b. Float at the bit – No
- c. Monitoring equipment on the mud system – visually and/or PVT or Flow Show
- d. Fully opening safety valve on the rig floor – Yes
- e. Rotating Head – Yes
- f. Request For Variance

Drilling the surface hole with air:

A variance from 43 CFR 3160 Onshore Oil and Gas Order #2, Section III Requirements, subsection E. Special Drilling Operations is requested for the specific operation of drilling and setting surface casing on the subject well with a truck mounted air rig. The variance from the following requirements of Order #2 is requested because surface casing depth for this well is 480 feet and high pressures are not expected.

1. **Properly lubricated and maintained rotating head** – A diverter system in place of a rotating head. The diverter system forces the air and cutting returns to the reserve pit and is used to drill the surface casing.
2. **Bloolie line discharge 100 feet from wellbore and securely anchored** – the bloolie line discharge for this operation will be located 50 to 70 feet from the wellhead. This reduced length is necessary due to the smaller location size to minimize surface disturbance.
3. **Automatic igniter or continuous pilot light on bloolie line** – a diffuser will be used rather than an automatic pilot/igniter. Water is injected into the compressed air and eliminates the need for a pilot light and the need for dust suppression equipment.
4. **Compressors located in the opposite direction from the bloolie line a minimum of 100 feet from the wellbore** – compressors located within 50 feet on the opposite side of the wellbore from the bloolie line and is equipped with a 1) emergency kill switch on the driller's console, 2) pressure relief valves on the compressors, 3) spark arrestors on the motors.
5. **Kill Fluid to control well** – In lieu of having mud products on location to kill the well for an unanticipated kick, Questar will kill the well with water contained in a 400 bbl tank on site. The 400 bbl water tank will also be storage for surface casing cement water.

6. **Deflector on the end of the blooie line** – Questar will mount a deflector unit at the end of the blooie line for the purpose of changing the direction and velocity of the air and cuttings flow into the reserve pit. Changing the velocity and direction of the cuttings and air will preserve the pit liner. In the event the deflector washes out due to erosion caused by the sand blasting effect of the cuttings, there will be no problem because the deflector is mounted on the very end of the blooie. A washed out deflector will be easily replaced.
7. **Flare Pit** – there will be no need of a flare pit during the surface hole air drilling operation because the blooie line is routed directly to the reserve pit. When the big rig arrives for the main drilling after setting surface casing, a flare box will be installed and all flare lines will be routed to the flare box.

Drilling of the laterals will be done with fresh water NaCl based mud systems consisting primarily of fresh water, bentonite, lignite, caustic, lime, soda ash, polymers, and NaCl. No chromates will be used. It is not intended to use oil in the mud, however, in the event it is used the concentration will be less than 4% by volume. Maximum anticipated mud weight is 10.0 ppg.

No minimum quantity of weight material will be required to be kept on location.

PVT/Flow show will be used upon exit of surface casing to TD.

Gas detector will be used upon exit of surface casing to TD.

7. **Testing, Logging, and Coring Program**

- a. Cores – None Anticipated
- b. DST – None Anticipated
- c. Logging:
 - i. Mud logging from casing exit to TD
 - ii. MWD-GR will be utilized during drilling operations to aid in landing the curve and maintaining the laterals within the desired zone.
- d. Formation and completion interval: G1 Lime interval, final determination of completion will be made by analysis of mud logging data. Stimulation: stimulation will be designed for the particular area of interest encountered.

8. **Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards**

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered or is known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom-hole pressure equals approximately 3,500 psi. Maximum anticipated bottom hole temperature is approximately 150°F.

DRILLING PROGRAM

3M BOP STACK

Rotating Head

Spacer Spool

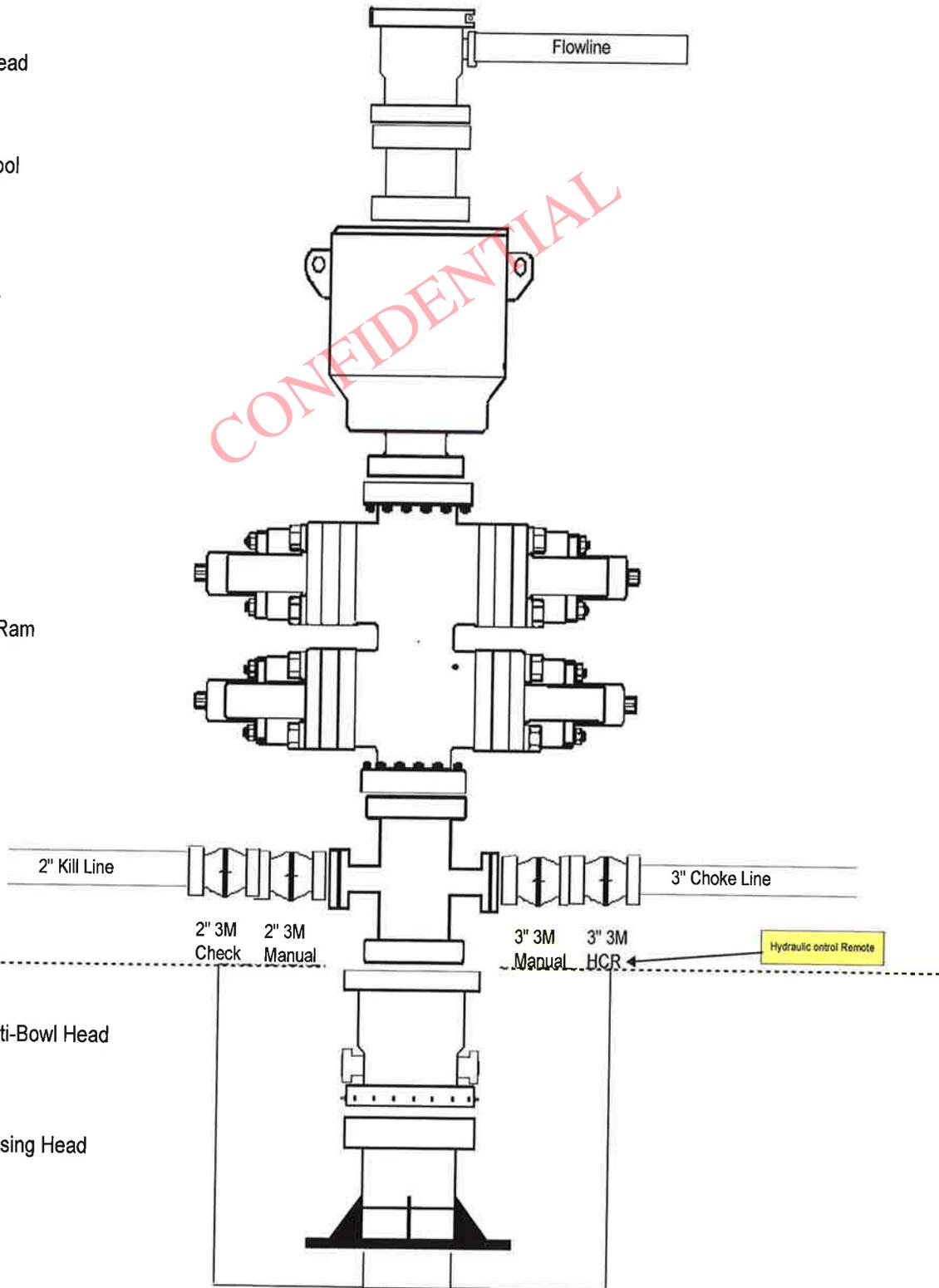
3M Annular

3M Double Ram

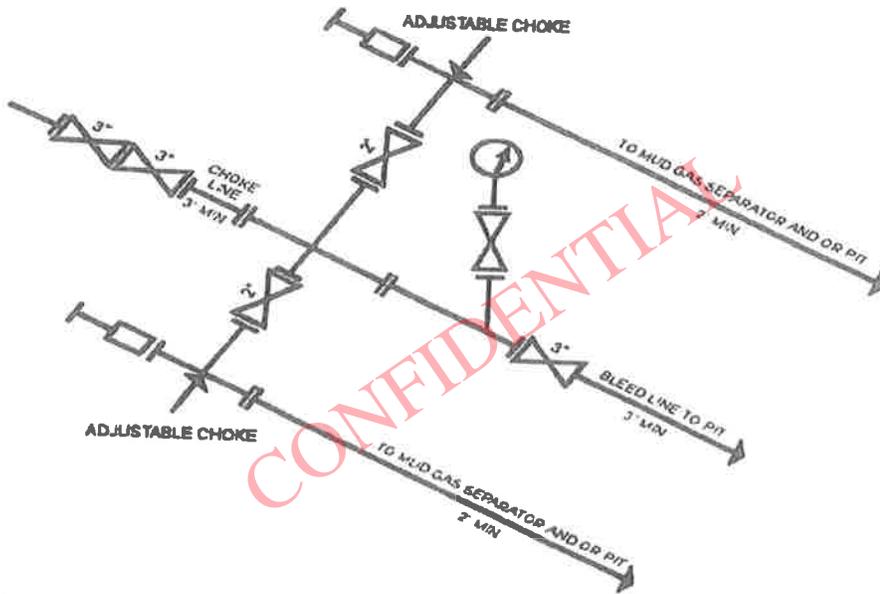
G.L.

3M x 3M Multi-Bowl Head

9 5/8" 3M Casing Head



DRILLING PROGRAM



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



OP 7G-11-7-20 Lateral 1 Plan 10-26-10 Permit Proposal

Report Date: October 28, 2010 Client: QEP ENERGY Field: Uinta Structure / Slot: Ouray Park / OP 7G-11-7-20 Well: OP 7G-11-7-20 Borehole: OH-Lateral 1 UWI/API#: Survey Name / Date: OP 7G-11-7-20 Lateral 1 Plan 10-26-10 Permit / October 26, 2010 Tort / AHD / DDI / ERD ratio: 91.100° / 4815.40 ft / 5.856 / 0.661 Grid Coordinate System: NAD83 Utah State Planes, Central Zone, US Feet Location Lat/Long: N 40 13 37.230, W 109 38 0.690 Location Grid N/E Y/X: N 7256851.213 ftUS, E 2161519.812 ftUS Grid Convergence Angle: +1.19562394° Grid Scale Factor: 0.99992218	Survey / DLS Computation Method: Minimum Curvature / Lubinski Vertical Section Azimuth: 166.440° Vertical Section Origin: N 0.000 ft, E 0.000 ft TVD Reference Datum: KB TVD Reference Elevation: 4975.2 ft relative to MSL Sea Bed / Ground Level Elevation: 4921.900 ft relative to MSL Magnetic Declination: 11.247° Total Field Strength: 52496.976 nT Magnetic Dip: 66.045° Declination Date: October 26, 2010 Magnetic Declination Model: IGRF 2010 North Reference: True North Total Corr Mag North -> True North: +11.247° Local Coordinates Referenced To: Well Head
---	---

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)	Northing (ftUS)	Easting (ftUS)
Tie-In	0.00	0.00	166.44	0.00	0.00	0.00	0.00	0.00	0.00	0.00	166.44M	7256851.21	2161519.81
7" Casing Point	6875.00	0.00	166.44	6875.00	0.00	0.00	0.00	0.00	0.00	0.00	166.44M	7256851.21	2161519.81
KOP-Build 14.00/100ft	6875.80	0.00	166.44	6875.80	0.00	0.00	0.00	0.00	0.00	0.00	166.44M	7256851.21	2161519.81
End Build, Hold	7526.51	91.10	166.44	7284.98	417.11	-405.49	97.78	417.11	166.44	14.00	0.00G	7256447.88	2161626.02
PBHL/TD	11925.62	91.10	166.44	7200.53	4815.40	-4681.24	1128.78	4815.40	166.44	0.00	0.00G	7252194.92	2162745.93

Survey Type: Non-Def Proposal

Survey Error Model: SLB ISWWSA version 22 *** 3-D 95.00% Confidence 2.7955 sigma

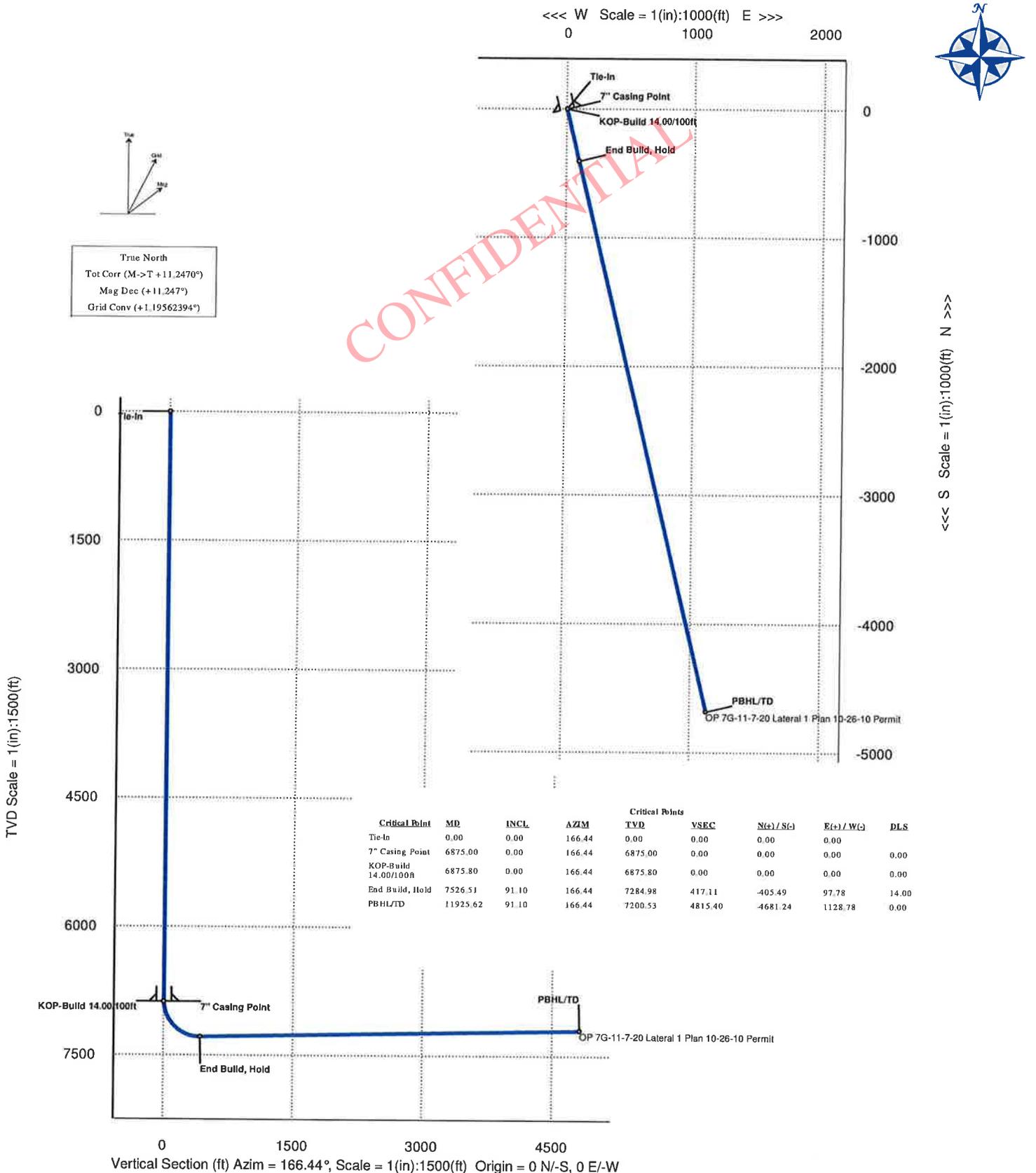
Surveying Prog:

MD From (ft)	MD To (ft)	EOU Freq	Survey Tool Type
0.00	53.30	1/100.00	SLB_MWD-STD-Depth Only
53.30	11925.62	1/100.00	SLB_MWD-STD

Borehole -> Survey

OH-Lateral 1 -> OP 7G-11-7-20 Lateral 1 Plan 10-26-10 Permit
 OH-Lateral 1 -> OP 7G-11-7-20 Lateral 1 Plan 10-26-10 Permit

WELL OP 7G-11-7-20		FIELD Uinta	STRUCTURE Ouray Park
Magnetic Parameters Model: IGRF 2010 Dip: 66.045° Date: October 26, 2010 Mag Dec: +11.247° FB: 52497.0 nT		Surface Location MADSD Utah State Plane, Central Zone, US Feet Lat: N49 13 37.220 Northing: 7256851.21 RUS Grid Conv: +1.19562394* Lon: W109 08 0.690 Easting: 2161519.81 RUS Scale Fact: 0.999921795	
Miscellaneous SM: OP 7G-11-7-20 TVD Ref: KB (4975.20 ft above MSL) Plan: OP 7G-11-7-20 Lateral 1 Plan 10-26-10			





OP 7G-11-7-20 Lateral 2 Plan 10-26-10 Permit Proposal

Report Date: October 28, 2010 Client: QEP ENERGY Field: Uinta Structure / Slot: Curay Park / OP 7G-11-7-20 Well: OP 7G-11-7-20 Borehole: Lateral 2 UWI/API#: Survey Name / Date: OP 7G-11-7-20 Lateral 2 Plan 10-26-10 Permit / October 26, 2010 Tort / AHD / DDI / ERD ratio: 88.651° / 6190.08 ft / 5.992 / 0.832 Grid Coordinate System: NAD83 Utah State Planes, Central Zone, US Feet Location Lat/Long: N 40 13 37.230, W 109 38 0.690 Location Grid N/E Y/X: N 7256851.213 ftUS, E 2161519.812 ftUS Grid Convergence Angle: +1.19562394° Grid Scale Factor: 0.99992218	Survey / DLS Computation Method: Minimum Curvature / Lubinski Vertical Section Azimuth: 2.530° Vertical Section Origin: N 0.000 ft, E 0.000 ft TVD Reference Datum: KB TVD Reference Elevation: 4975.2 ft relative to MSL Sea Bed / Ground Level Elevation: 4921.900 ft relative to MSL Magnetic Declination: 11.247° Total Field Strength: 52496.976 nT Magnetic Dip: 66.045° Declination Date: October 26, 2010 Magnetic Declination Model: IGRF 2010 North Reference: True North Total Corr Mag North -> True North: +11.247° Local Coordinates Referenced To: Well Head
--	---

Comments	Measured Depth (ft)	Inclination (deg)	Azimuth (deg)	TVD (ft)	Vertical Section (ft)	NS (ft)	EW (ft)	Closure (ft)	Closure Azimuth (deg)	DLS (deg/100 ft)	Tool Face (deg)	Northing (ftUS)	Easting (ftUS)
Tie-In	0.00	0.00	2.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.54M	7256851.21	2161519.81
KOP-Build 8/00/100ft	6775.00	0.00	2.54	6775.00	0.00	0.00	0.00	0.00	0.00	0.00	2.54M	7256851.21	2161519.81
Hold 6 incl	6850.00	6.00	2.54	6849.86	3.92	3.92	0.17	3.92	2.54	8.00	0.00G	7256855.14	2161519.90
KOP-Build 14.00/100ft	6936.50	6.00	2.54	6935.89	12.97	12.95	0.57	12.97	2.54	0.00	0.00G	7256864.17	2161520.12
End Build, Hold	7526.86	88.65	2.54	7302.25	410.34	409.94	18.15	410.34	2.54	14.00	-129.40G	7257261.40	2161529.40
PBHL/TD	13308.21	88.65	2.53	7438.50	6190.08	6184.03	273.74	6190.08	2.53	0.00	0.00G	7263039.11	2161664.44

Survey Type: Non-Def Proposal

Survey Error Model: SLB ISCWSA version 22 *** 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

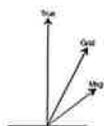
MD From (ft)	MD To (ft)	EQU Freq	Survey Tool Type	Borehole -> Survey
0.00	53.30	1/100.00	SLB_MWD-STD-Depth Only	Lateral 2 -> OP 7G-11-7-20 Lateral 2 Plan 10-26-10 Permit
53.30	13308.21	1/100.00	SLB_MWD-STD	Lateral 2 -> OP 7G-11-7-20 Lateral 2 Plan 10-26-10 Permit

WELL	OP 7G-11-7-20	FIELD	Uinta	STRUCTURE	Ouray Park
------	----------------------	-------	--------------	-----------	-------------------

Magnetic Parameters Model: IGRF 2010 Dip: 66.045° Mag Dec: +11.247°	Date: October 26, 2010 FS: 52497.0 nT	Surface Location Lat: N40 13 37.230 Lon: W109 38 0 690	NAD83 Utah State Plane, Central Zone, US Feet Northing: 7296851.21 ftUS Easting: 2161519.81 ftUS Grid Conv: +1.19562394° Scale Fact: 0.9999221795	Macellaneous Slot: OP 7G-11-7-20 Plan: OP 7G-11-7-20 Lateral 2 Plan 10-26-10 Permit	TVD Ref: KB (4975.20 ft above MSL)
--	--	--	---	---	------------------------------------



<<< W Scale = 1(in):1500(ft) E >>>
-1500 0 1500

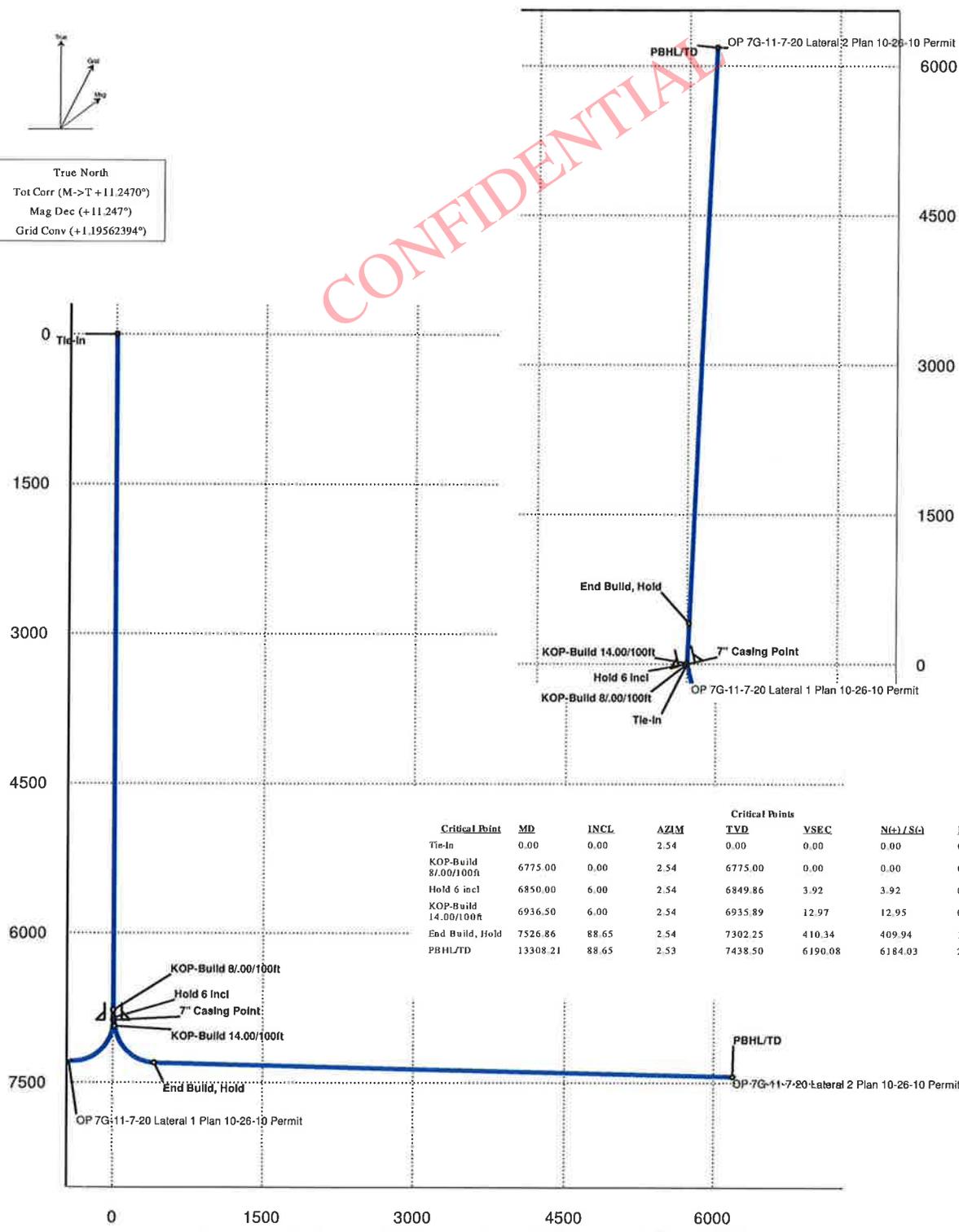


True North
Tot Corr (M->T +11.2470°)
Mag Dec (+11.247°)
Grid Conv (+1.19562394°)

CONFIDENTIAL

TVD Scale = 1 (in):1500 (ft)

<<< S Scale = 1 (in):1500 (ft) N >>>



Critical Point	MD	INCL	AZIM	TVD	YSEC	N(+)/S(-)	E(+)/W(-)	DLS
Tie-In	0.00	0.00	2.54	0.00	0.00	0.00	0.00	0.00
KOP-Build 8.00/100ft	6775.00	0.00	2.54	6775.00	0.00	0.00	0.00	0.00
Hold 6 incl	6850.00	6.00	2.54	6849.86	3.92	3.92	0.17	8.00
KOP-Build 14.00/100ft	6936.50	6.00	2.54	6935.89	12.97	12.95	0.57	0.00
End Build, Hold	7526.86	88.65	2.54	7302.25	410.34	409.94	18.15	14.00
PBHL/TD	13308.21	88.65	2.53	7438.50	6190.08	6184.03	273.74	0.00

Vertical Section (ft) Azim = 2.53°, Scale = 1 (in):1500 (ft) Origin = 0 N/S, 0 E/W

OP 7G-11-7-20

Updated 10-19-2010 MPG

API # 43-013-xxxxx

Proposed WBD

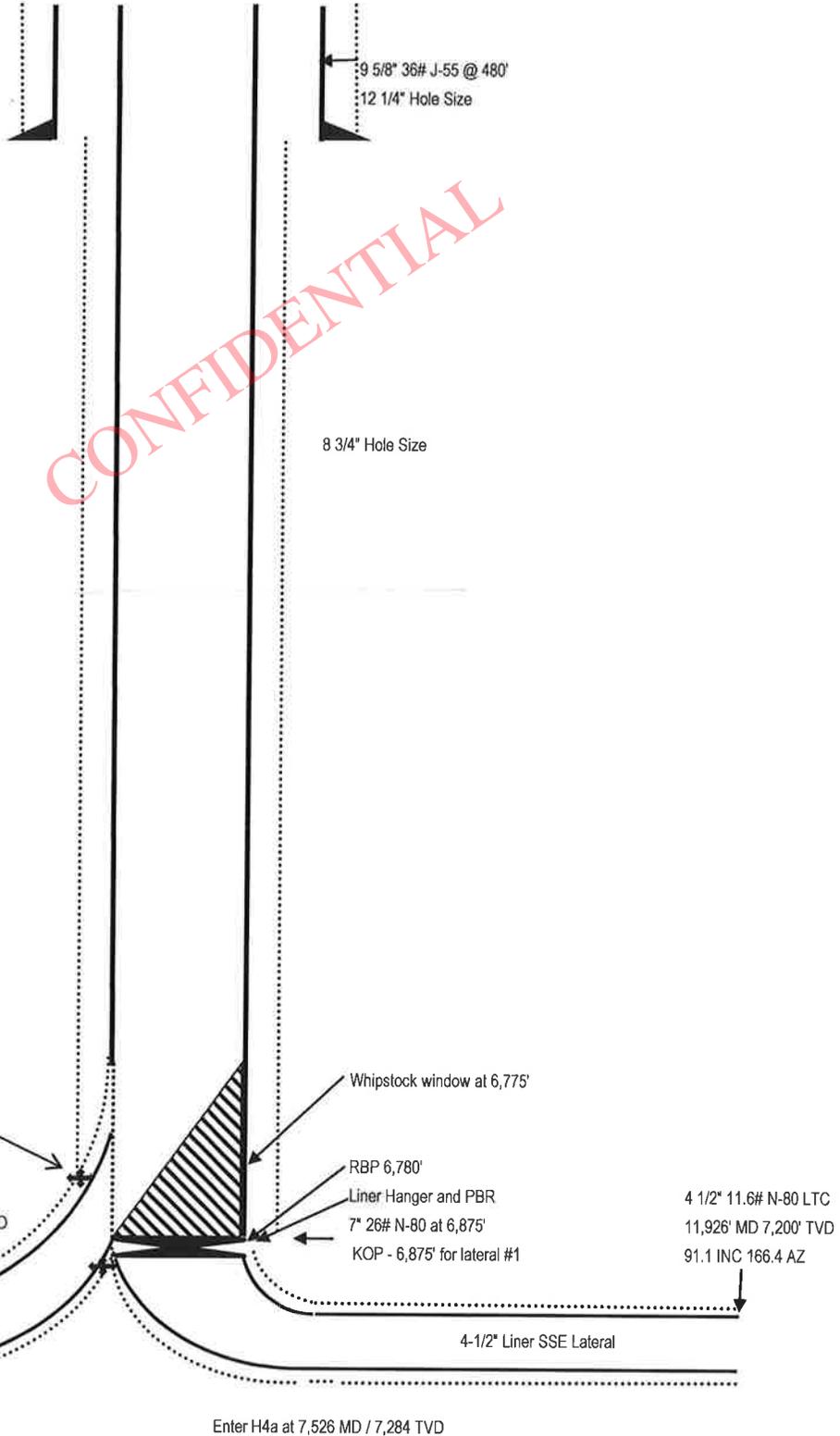
Uinta Basin

Section 11, T7S, R20E, Uintah County

KB 4,976'

GL 4,962'

NOTE: NOT TO SCALE



T7S, R20E, S.L.B.&M.

QEP ENERGY COMPANY

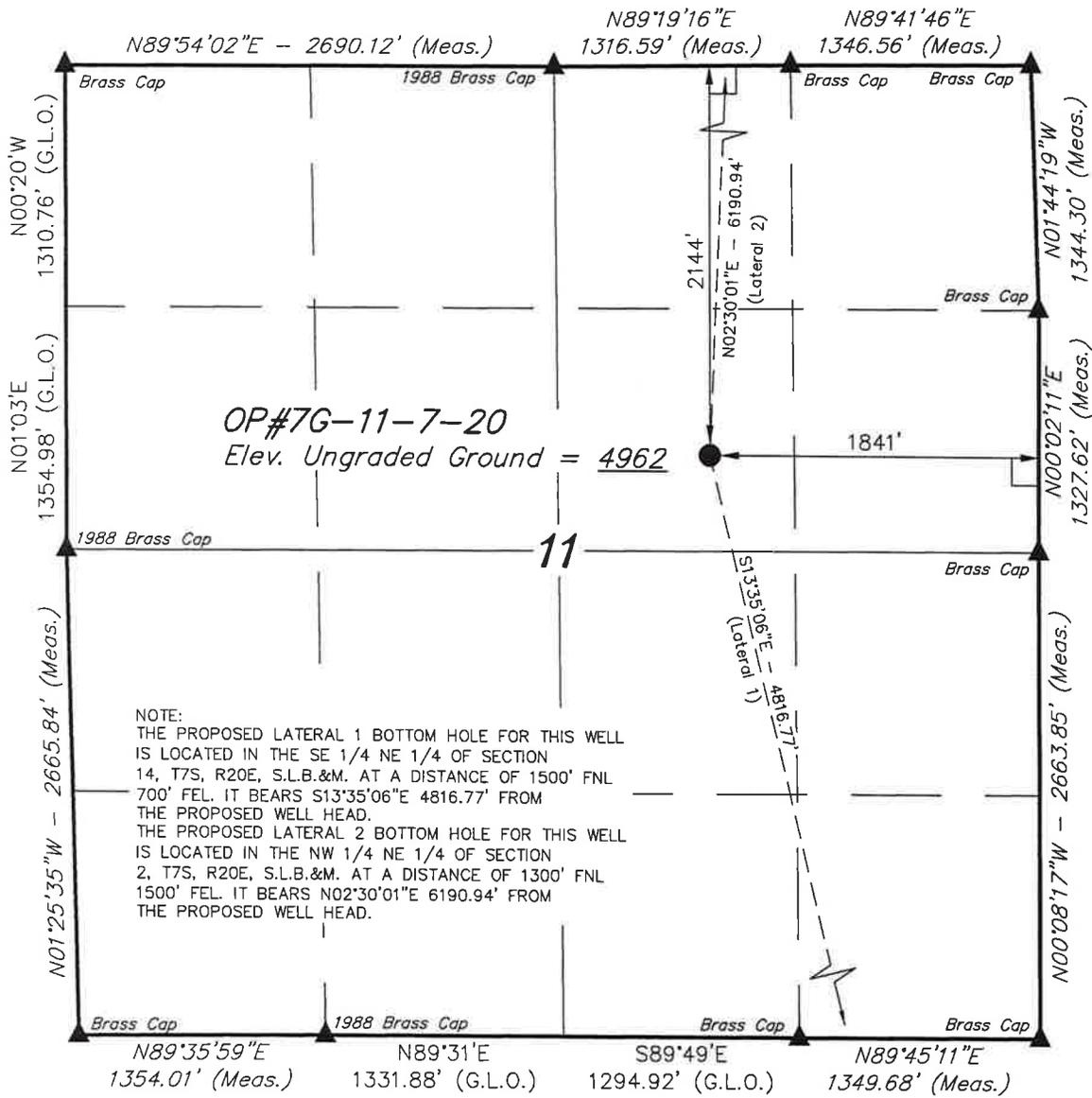
Well location, OP#7G-11-7-20, (SURFACE LOCATION), located as shown in the SW 1/4 NE 1/4 of Section 11, T7S, R20E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

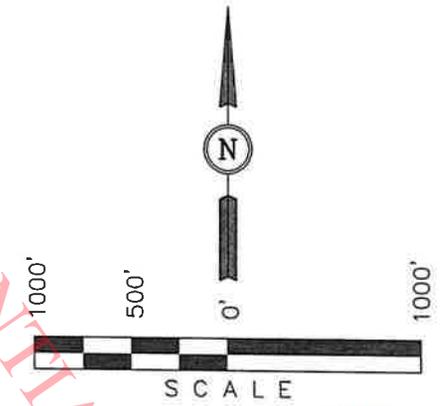
BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

BASIS OF BEARINGS

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



CONFIDENTIAL



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.

Robert H. ...
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

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

(AUTONOMOUS NAD 83)
LATITUDE = 40°13'37.23" (40.227008)
LONGITUDE = 109°38'00.69" (109.633525)
(AUTONOMOUS NAD 27)
LATITUDE = 40°13'37.36" (40.227044)
LONGITUDE = 109°37'58.19" (109.632831)

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-17-10	DATE DRAWN: 08-25-10
PARTY B.H. N.F. J.I.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE QEP ENERGY COMPANY	

T7S, R20E, S.L.B.&M.

QEP ENERGY COMPANY

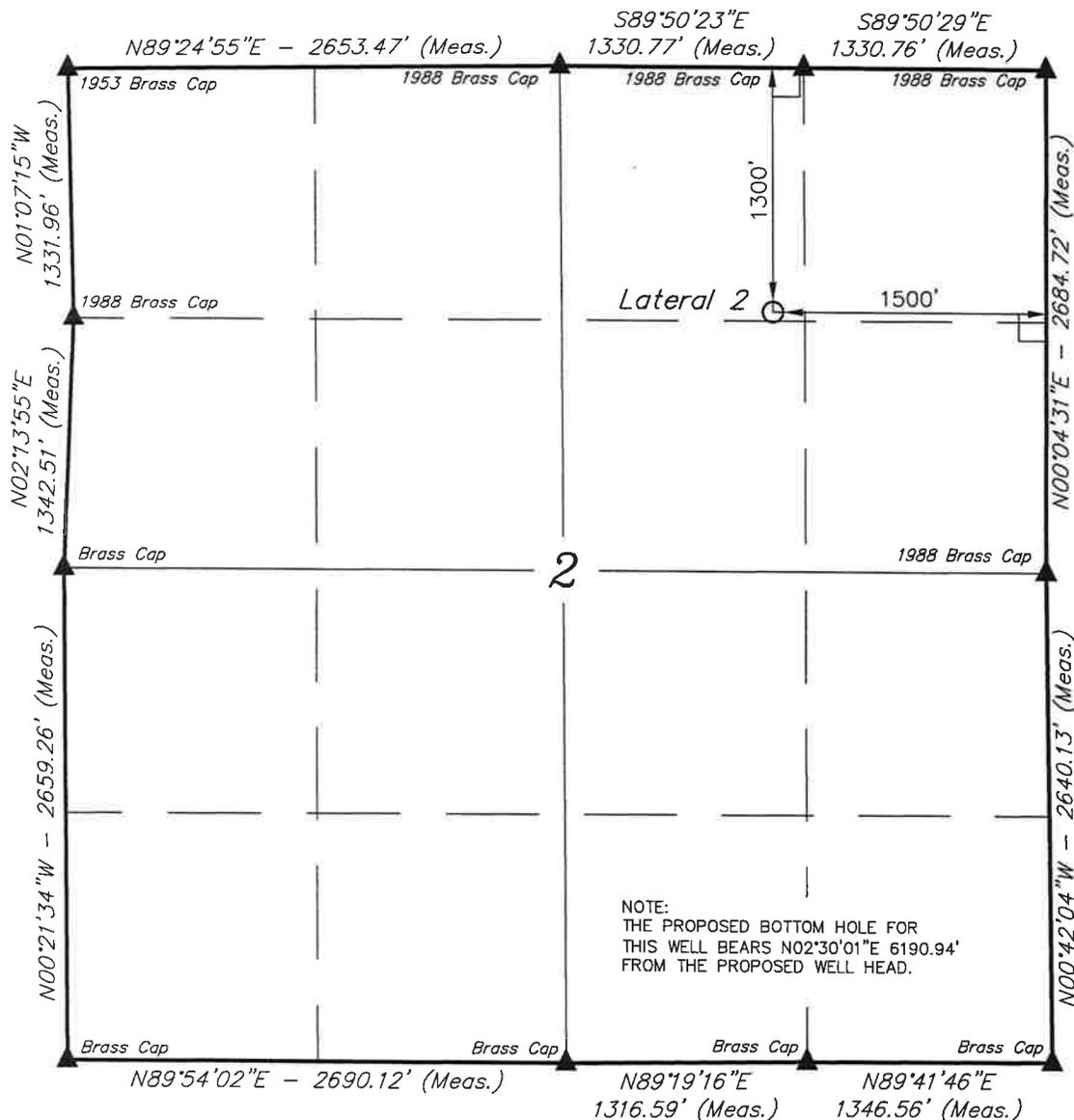
Well location, OP#7G-11-7-20, (TARGET BOTTOM HOLE LOCATION), located as shown in the NW 1/4 NE 1/4 of Section 2, T7S, R20E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

BASIS OF BEARINGS

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



NOTE:
THE PROPOSED BOTTOM HOLE FOR THIS WELL BEARS N02°30'01"E 6190.94' FROM THE PROPOSED WELL HEAD.

CONFIDENTIAL



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.

[Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161313
STATE OF UTAH

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

LEGEND:

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

(AUTONOMOUS NAD 83)
LATITUDE = 40°14'38.34" (40.243983)
LONGITUDE = 109°37'57.16" (109.632544)
(AUTONOMOUS NAD 27)
LATITUDE = 40°14'38.48" (40.244022)
LONGITUDE = 109°37'54.66" (109.631850)

SCALE 1" = 1000'	DATE SURVEYED: 08-17-10	DATE DRAWN: 08-25-10
PARTY B.H. N.F. J.I.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE QEP ENERGY COMPANY	

QEP ENERGY COMPANY

OP #7G-11-7-20

LOCATED IN UINTAH COUNTY, UTAH
SECTION 11, T7S, R20E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

08 27 10
MONTH DAY YEAR

PHOTO

TAKEN BY: B.H.

DRAWN BY: J.L.G.

REVISED: 00-00-00

QEP ENERGY COMPANY

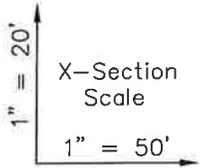
TYPICAL CROSS SECTION FOR

OP #7G-11-7-20

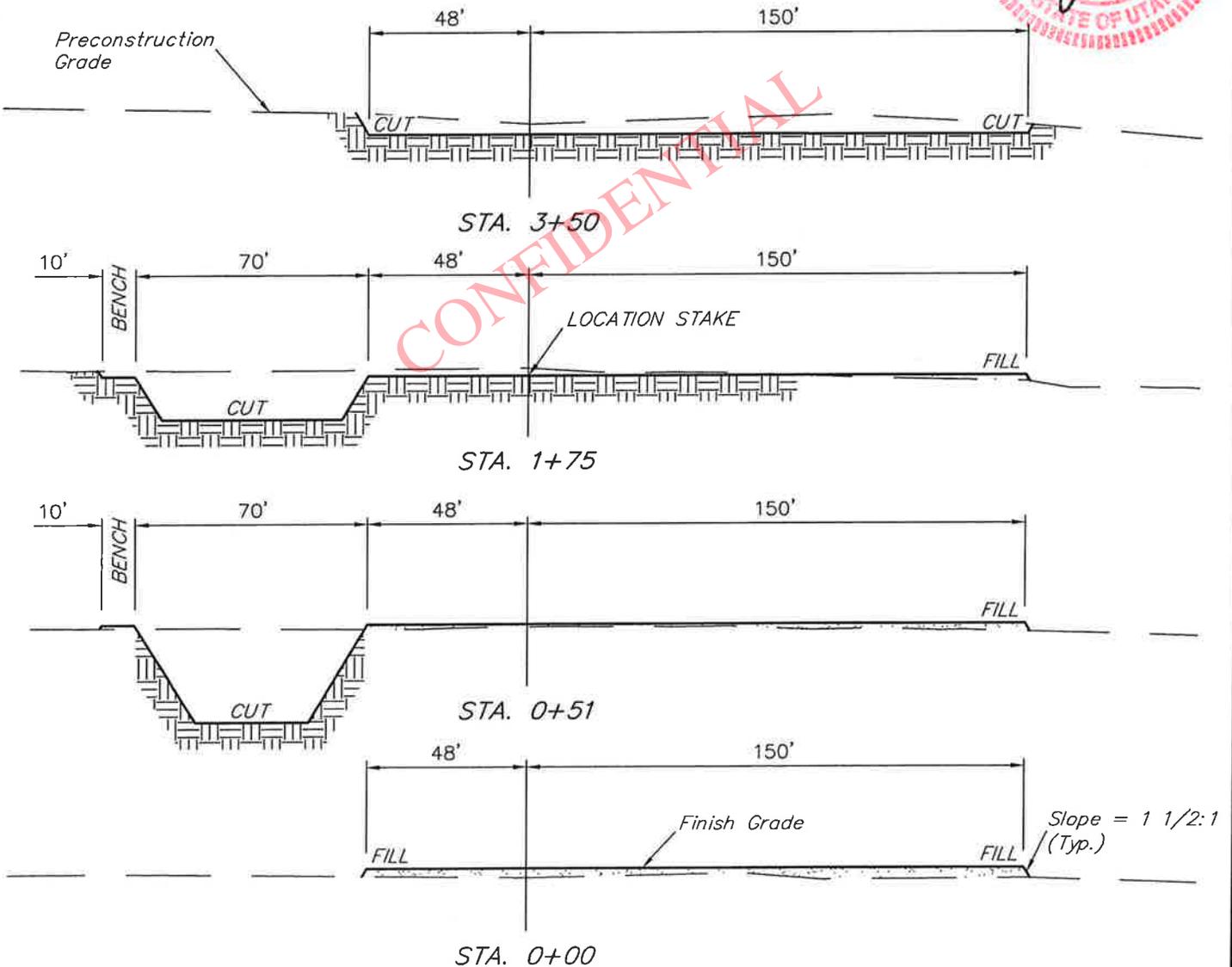
SECTION 11, T7S, R20E, S.L.B.&M.

2144' FNL 1841' FEL

FIGURE #2



DATE: 08-19-10
DRAWN BY: J.I.



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 2.223 ACRES
ACCESS ROAD DISTURBANCE = ± 2.895 ACRES
TOTAL = ± 5.118 ACRES

*** NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

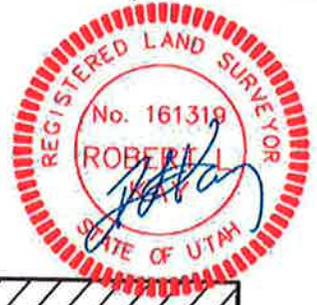
CUT	
(6") Topsoil Stripping	= 1,610 Cu. Yds.
Remaining Location	= 3,850 Cu. Yds.
TOTAL CUT	= 5,460 CU.YDS.
FILL	= 1,280 CU.YDS.

EXCESS MATERIAL	= 4,180 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,050 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 1,130 Cu. Yds.

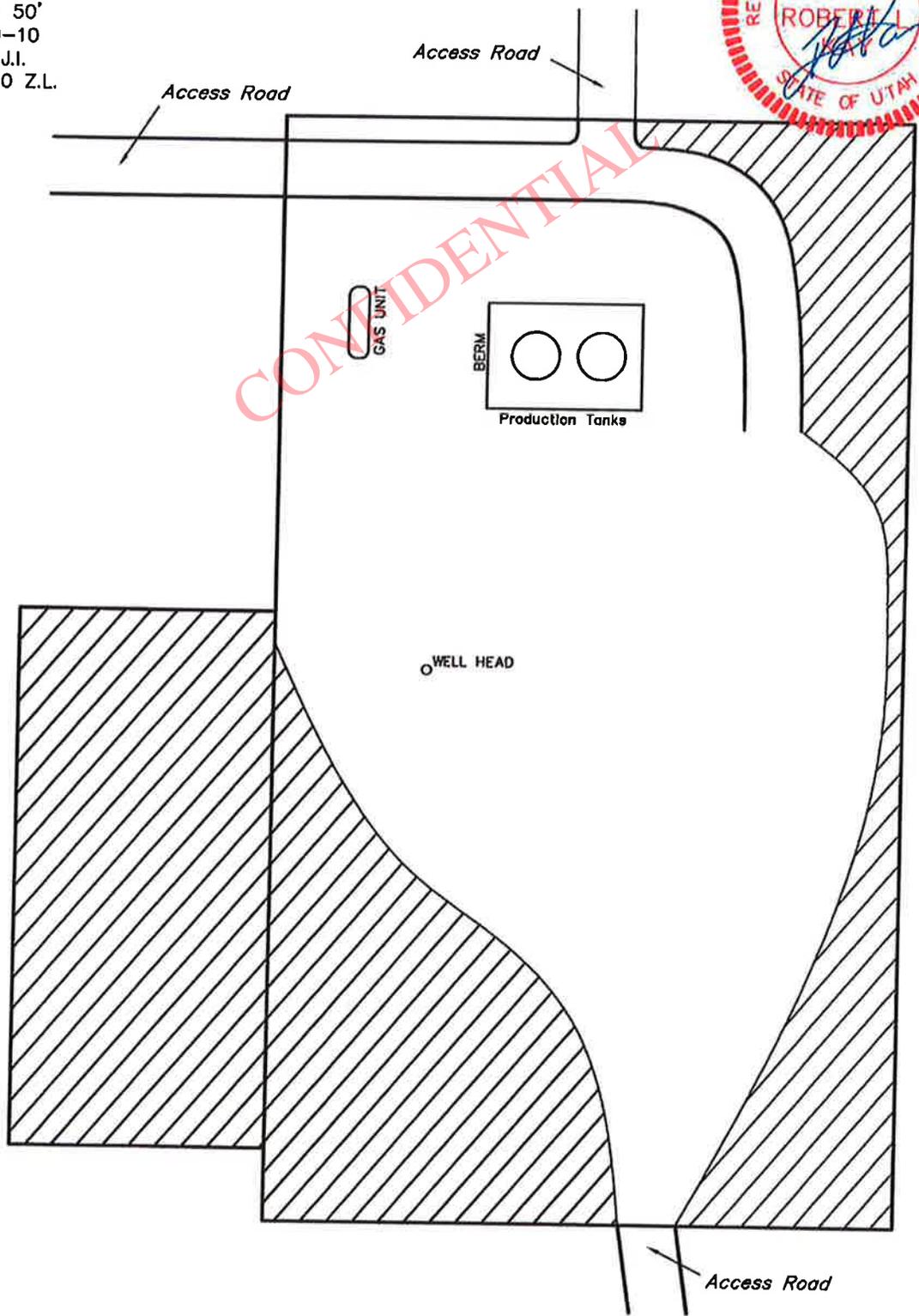
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

QEP ENERGY COMPANY
INTERIM RECLAMATION PLAN FOR
OP #7G-11-7-20
SECTION 11, T7S, R20E, S.L.B.&M.
2144' FNL 1841' FEL

FIGURE #3



SCALE: 1" = 50'
DATE: 08-19-10
DRAWN BY: J.I.
REV: 10-27-10 Z.L.



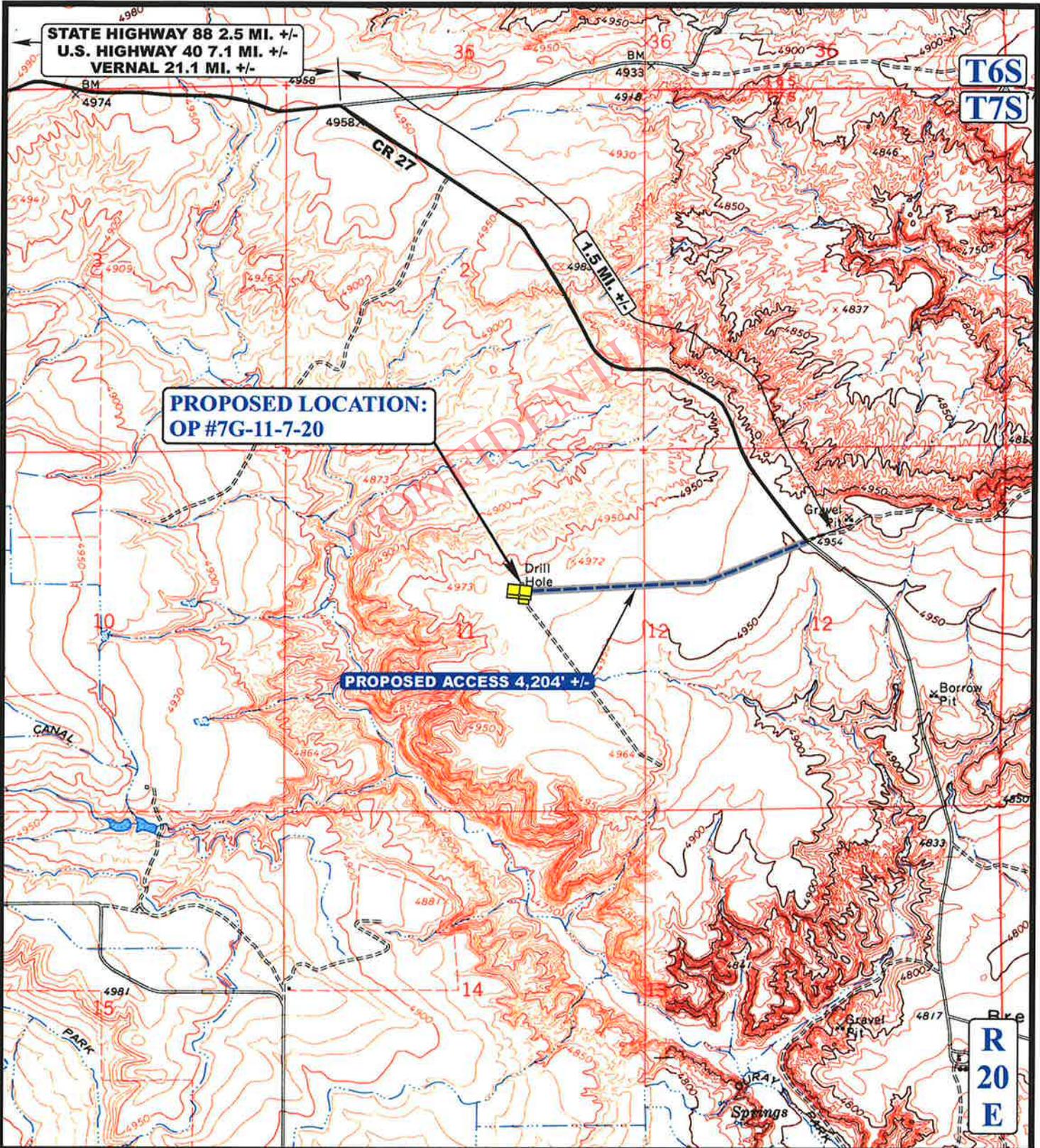
 INTERIM RECLAMATION

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

QEP ENERGY COMPANY
OP #7G-11-7-20
SECTION 11, T7S, R20E, S.L.B.&M.

PROCEED IN AN WESTERLY, THEN SOUTHWESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF HIGHWAY 40 AND STATE HIGHWAY 88 TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 4.6 MILES TO THE JUNCTION OF STATE HIGHWAY 88 AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.5 MILES TO AN EXISTING ROAD AND THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4,204' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 23.4 MILES.



STATE HIGHWAY 88 2.5 MI. +/-
 U.S. HIGHWAY 40 7.1 MI. +/-
 VERNAL 21.1 MI. +/-

**PROPOSED LOCATION:
 OP #7G-11-7-20**

PROPOSED ACCESS 4,204' +/-

LEGEND:

-  EXISTING ROAD
-  EXISTING ROAD NEEDS MINOR UPGRADE
-  PROPOSED ACCESS ROAD

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

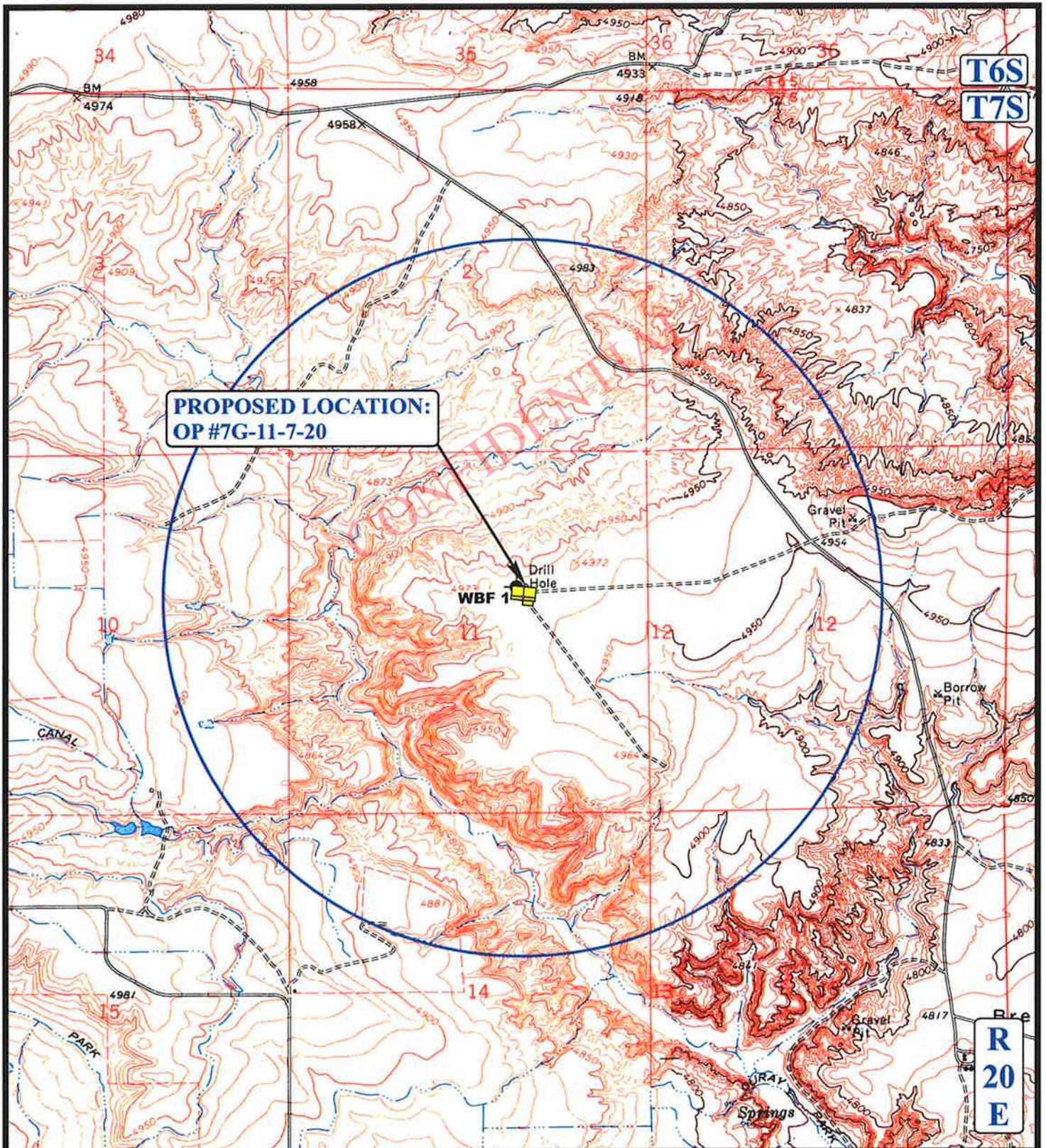


QEP ENERGY COMPANY

OP #7G-11-7-20
SECTION 11, T7S, R20E, S.L.B.&M.
2144' FNL 1841' FEL

TOPOGRAPHIC MAP 08 27 10
 MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00

B
 TOPO



**PROPOSED LOCATION:
OP #7G-11-7-20**

**Drill Hole
WBF 1**

LEGEND:

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- ⬮ SHUT IN WELLS
- ⊗ WATER WELLS
- ⬮ ABANDONED WELLS
- ⬮ TEMPORARILY ABANDONED



QEP ENERGY COMPANY

**OP #7G-11-7-20
SECTION 11, T7S, R20E, S.L.B.&M.
2144' FNL 1841' FEL**

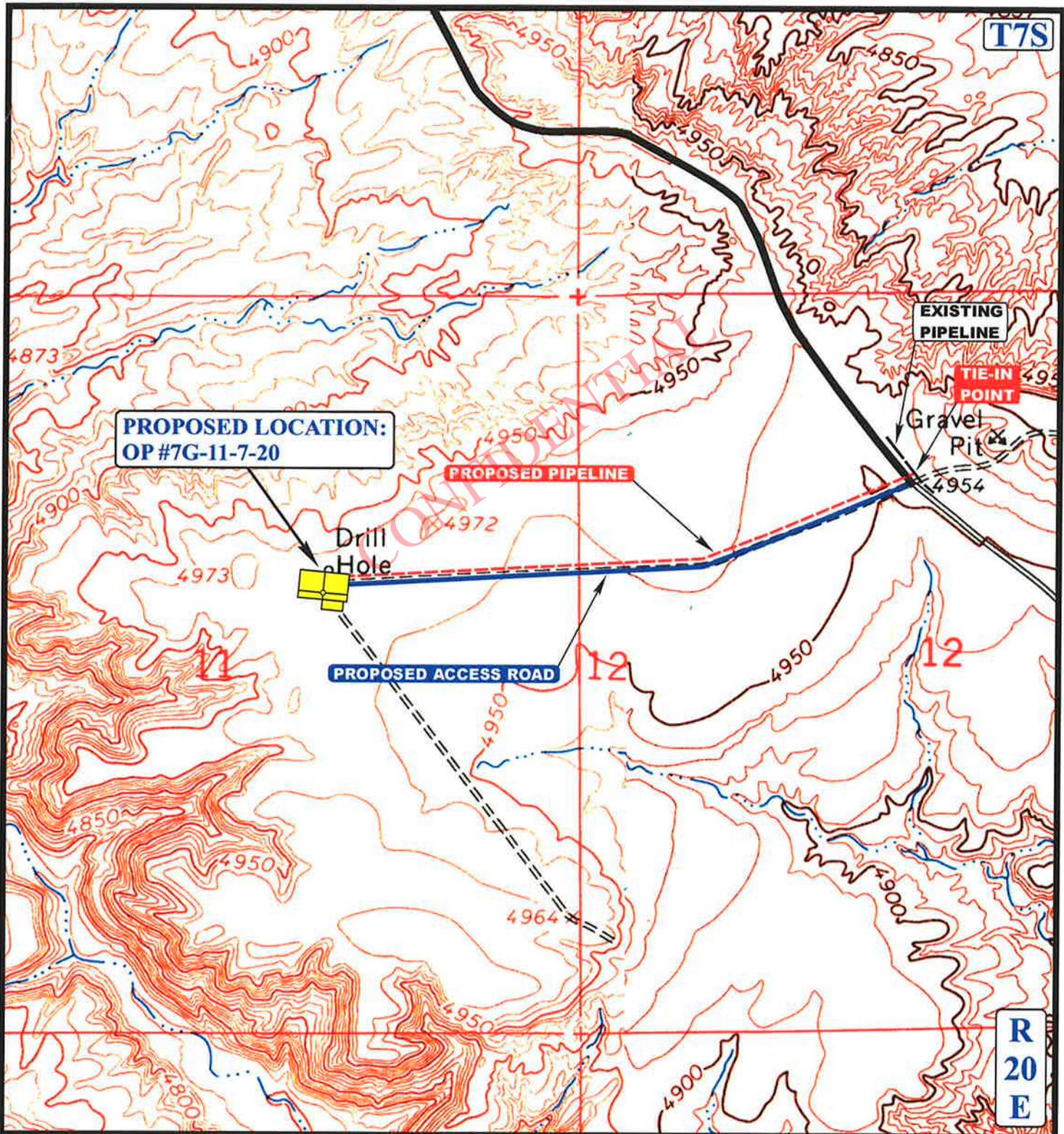


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP 08 27 10
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 4,235' +/-

LEGEND:

- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED ACCESS



QEP ENERGY COMPANY

OP #7G-11-7-20
SECTION 11, T7S, R20E, S.L.B.&M.
2144' FNL 1841' FEL



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

TOPOGRAPHIC MAP **08 27 10**
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: J.L.G. REVISED: 00-00-00



Additional Operator Remarks

QEP Energy Company proposes to drill a dual lateral horizontal oil well to test the Green River Formation. If productive, casing will be run and the well completed. If, dry the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Oil & Gas Order No. 1

Please be advised that QEP Energy Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No. ESB000024. The principal is QEP Energy Company via surety as consent as provided for the 43 CFR 3104.2.

Information for Dual Laterals

Surface Location

2144' FNL, 1841' FEL, SWNE, Section 11, T7S, R20E, Lease Number UTU-86331

Lateral 1

1500' FNL, 700' FEL, SENE, Section 14, T7S, R20E, Lease Number UTU-86331
4,681.24 Lateral Leg Length @ 166.44 Azimuth (See Attached Drilling Plans)
TD: 11,926' MD

Lateral 2

1300' FNL, 1500' FEL, NWNE, Section 2, T7S, R20E, Lease Number ML-49758
6,184.03 Lateral Leg Length @ 2.53 Azimuth (See Attached Drilling Plans)
TD: 13,308' MD

**QEP ENERGY COMPANY
OP 7G-11-7-20
SWNE, SECTION 11, T7S, R20E
UINTAH COUNTY, UT
LEASE # UTU-86331**

MULTI-POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the OP 7G-11-7-20 on October 13, 2010. Weather conditions were sunny at the time of the onsite. In attendance at the inspection were the following individuals:

Aaron Roe	Bureau of Land Management
Kevin Sadlier	Bureau of Land Management
Jan Nelson	QEP Energy Company
Stephanie Tomkinson	QEP Energy Company
Guy Betts	QEP Energy Company
Bob Haygood	QEP Energy Company
Valyn Davis	QEP Energy Company
Wade Hafey	QEP Field Service
Andy Floyd	Uintah Engineering & Land Surveying

1. Existing Roads:

See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing roads.

The proposed well site is located approximately 23 miles southwest of Vernal, Utah.
-See attached TOPO Map "A".

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Existing roads will be maintained and repaired as necessary.

2. Planned Access Roads:

An offlease right-of-way is not required. The entire well pad, access road, and pipeline are located within the Ouray Park Unit.

New or reconstructed roads on BLM surface will be crowned (2 to 3%), ditched, and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Any additional disturbance required due to intersections or sharp curves will be discussed at the on-site and approved by the BLM/VFO AO. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Surface disturbance and vehicular traffic will be limited to the approved location and access route or, as proposed by the Operator. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Access roads and surface disturbing activities will conform to standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and gas Exploration and Development, Fourth Edition 2006.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches and culverts will be kept clear and free-flowing and will be maintained according to original construction standards. The access road disturbed area will be kept free of trash during operations. All traffic will be confined to the approved road running surface. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause excess siltation or accumulation of debris in the drainage nor shall the drainage be blocked by the roadbed. If culverts are needed, the location and size of the culverts will be proposed during the on-site. The operator will clean and maintain approved culverts as needed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, the holes shall be filled in and detours around the holes avoided. When snow is removed from the road during the winter months, the snow should be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

Rock, Gravel and Culverts as needed.

Refer to Topo Map B for the location of the proposed access road.

3. **Location of Existing Wells Within a 1-Mile Radius:**

A map will be provided with the site-specific APD showing the location of existing wells within a one mile radius.

Please refer to Topo map C.

4. **Location of Existing and Proposed Facilities:**

The following guidelines will apply if the well is productive.

A containment dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks). These dikes will be constructed of compacted impervious subsoil; hold 110% of the capacity of the largest tank; and, be independent of the back cut. If a Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded to meet SPCC requirements with approval by the BLM/VFO AO. The specific APD will address additional capacity if such is needed due to environmental concerns. The use of topsoil for the construction of dikes will not be allowed.

All loading lines will be placed inside the berm surrounding the tank batteries.

All permanent (on site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a color approved by the BLM.

It was determined on the onsite by the BLM VFO/AO that the facilities will be painted Covert Green.

Surface gas pipelines will be constructed in accordance with the following guidance:

GAS SALES LINE: The pipeline will be unpainted steel, 4" inside diameter, welded, schedule # 20 or greater. The pipeline will be 4,235' in length. The pipeline will be strung along the right-of-way and welded into place. The pipeline will tie into our existing line located in the NW/4 of Section 12, T7S, R20E.

FUEL GAS LINE: The pipeline will be a 2" inside diameter, poly pipe with a rating of 160 psi or greater. The line will be laid adjacent to the gas sales line following the line to location.

5. Location and Type of Water Supply:

Fresh water will be obtained from Wonsits Valley water right # A36125 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids including salts and chemicals will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 6 months after drilling is terminated. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Unless specified in the site specific APD, the reserve pit will be constructed on the location and will not be located within natural drainages, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

It was determined at the on-site inspection that a pit liner is necessary; the reserve pit will be lined with a synthetic reinforced liner, a minimum of 20 millimeters thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap will be disposed of in the pit.

Reserve pit leaks are considered an undesirable event and will be orally reported to the AO.

Disposal of Produced Water:

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order # 7, all produced water will be contained in tanks on location and then hauled to the Red Wash Disposal well located in the SESE, Section 28, T7S, R23E; the West End Disposal located in the NESE, Section 28, T7S, R22E, or, the NBE 12SWD-10-9-23 Disposal located in NWSW, Section 10, T9S, R23E, or third-party surface evaporative pits.

Produced water, oil, and other byproducts will not be applied to roads or well pads for control of dust or weeds. The dumping of produced fluids on roads, well sites, or other areas will not be allowed.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site. The spills will be reported to the AO and other authorities as appropriate.

A chemical porta-toilet will be furnished with the drilling rig. The chemical porta-toilet wastes will be hauled to Ashley Valley Sewer and Water System for disposal.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location. All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig. All trash and waste material will be hauled to the Uintah County Landfill.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of wells. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of wells within these areas. Specific APD's shall address any modifications from this policy.

8. Ancillary Facilities:

This will be an independent well location. Product will be contained in two 500 bbl tanks and then transported from location to delivery site.

A suitable muffler will be installed on pumping unit to help reduce noise control.

9. Well Site Layout:

A Location Layout Diagram describing drill pad cross-sections, cuts and fills, and locations of mud tanks, reserve pits, flare pit or flare box, pipe racks, trailer parking, spoil dirt stockpile(s), and the surface material stockpile(s) will be included with the site specific APD.

Please see the attached diagram rig orientation, parking areas, and access roads, as well as the location of the following:

The reserve pit.

The stockpiled topsoil (first six inches), will not be used for facility berms. All brush removed from the well pad during construction will be stockpiled with the topsoil.

The flare pit or flare box will be located downwind from the prevailing wind direction.

Any drainage that crosses the well location will be diverted around the location by using ditches, water diversion drains or berms. If deemed necessary at the on-site, erosion drains may be installed to contain sediments that could be produced from access roads and well locations.

10. Fencing Requirements:

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

All pits will be fenced according to the following minimum standards:

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched using a stretching device before it is attached to corner posts.

The reserve pit will be fenced on three (3) sides during drilling operations. The fourth side will be put in place when the rig moves off location. The pit will be fenced and maintained until it is backfilled. If drilling operations does not commence within 3 days, the fourth side of the fence will be installed.

11. Reclamation Plan:

Reclamation will follow Questar Exploration and Production Company, Uinta Basin Division's Reclamation Plan, September 2009 (Questar's Reclamation Plan) and the BLM Green River District Reclamation Guidelines.

All trash and debris will be removed from the disturbed area.

The disturbed area will be backfilled with subsoil.

Topsoil will be spread to an even, appropriate depth and disced if needed.

Water courses and drainages will be restored.

Erosion control devices will be installed where needed.

Seeding will be done in the fall, prior to ground freeze up.

Seed mix will be submitted to a BLM AO for approval prior to seeding.

Monitoring and reporting will be conducted as stated in Questar's Reclamation Plan. Weed control will be conducted as stated in Questar's Reclamation Plan.

A reference site has been established and is included in this application.

Please see attached Weed Data Sheet.

Dry Hole/Abandoned Location:

On lands administered by the BLM abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the reestablishment of irrigation systems; reestablishment of appropriate soil conditions; and, the reestablishment of vegetation as specified.

All disturbed surfaces will be recontoured to approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment.

At final abandonment, the Operator will cap the casing with a metal plate a minimum of 0.25 inch thick. The cap will be welded in place and the well location and identity will be permanently inscribed on the cap. The cap will be constructed with a weep hole. The depth of the permanent cap will be determined at the time of final abandonment. Long-term reclamation will then be applied and will follow the reclamation process described in this plan. When reclamation is deemed successful by the Operator and the BLM, the Operator will request a bond release.

12. **Surface Ownership:**

The well pad and access road are located on lands owned by:
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

13. **Other Information:**

Drilling rigs and/or equipment used during drilling operations will not be stacked or stored on Federal lands or State administered lands after the conclusion of drilling operations or at any other time without authorization by the BLM Authorized Officer. If BLM authorization is obtained, such storage is only a temporary measure.

A Class III archeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted on December 1, 2010, **MOAC Report No. 10-231** by Montgomery Archaeology Consultants. Cultural resource clearance has been recommended for this project.

A paleontological survey was conducted by Intermountain Paleo Consulting. A copy of this report was submitted on February 2, 2010, **Report No. IPC 10-216** by Stephen D. Sandau,. The inspection resulted in the location of no fossils resources; therefore, it's recommended that no restriction should be placed on this project. However, if vertebrate fossil(s) are found during construction a paleontologist should be immediately notified. QEP will provide paleo monitor if needed.

Per the onsite meeting on October 13, 2010, the following items were requested/discussed.

There is 5" topsoil.

There is a Burrowing Owl Stipulation from March 1st to August 31st. No construction or drilling will commence during this period unless otherwise determined by a wildlife biologist that the site is inactive.

There is a dry hole marker on this location. QEP Energy Company will install a flat plate (with weep hole) not less than ¼ in thickness and large enough to contain all the information identified below and buried a minimum of three (3) foot below surface level.

Gulf Oil Corporation
UTSL-065342
West Brennan Fed. 1
SW/4 NE/4, Section 11, T7S, R20E

WEED DATA SHEET

PROJECT NAME:

OP 76-11-7-20

DATE:

10-13-10

SURVEYOR:

SLF

Location GPS Coordinates	Site Description	Weed Species	Cover Class or Number	Pattern	Infestation Size (acres)

SITE DRAWING (Optional): Include a sketch of the infestation within the project area. Count the number of individuals if possible

CONFIDENTIAL

*Cover Class- estimated percent cover, by species, of the infestation

- 0 = No weeds found
- 1 = Less than 1% (trace)
- 2 = One to five % (low - occasional plants)
- 3 = Six to twenty-five % (moderate - scattered plants)
- 4 = Twenty-five to 100 % (high - fairly dense)

Cheatgrass canopy cover: 4

Russian thistle canopy cover: 4

Halogeton canopy cover: 4

*Pattern - pattern of the infestation

- 0 = No weeds found
- 1 = Single plant or small area of many plants
- 2 = Linear
- 3 = Patchy
- 4 = Block

Kochia canopy cover: 2

*Infestation Size - number of estimated acres of the infestation

- 0 = No weeds found
- 1 = Less than one acre
- 2 = One to five acres
- 3 = five or more acres

Sandy loam
 IRG, N+T, Rabbit grass
 4-wing? Shadscale
~~globe mallow~~ cactus
 globe mallow

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

February 25, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2011 Plan of Development Ouray Park Unit,
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following horizontal wells are planned for calendar year 2011 within the Ouray Park Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-51504	OP 7G-11-7-20	Sec 11 T07S R20E 2144 FNL 1841 FEL
	Lateral 1	Sec 14 T07S R20E 1500 FNL 0700 FEL
	Lateral 2	Sec 02 T07S R20E 1300 FNL 1500 FEL
43-047-51503	OP 16G-3-7-20	Sec 03 T07S R20E 0788 FNL 0863 FEL
	Lateral 1	Sec 02 T07S R20E 1700 FNL 0700 FWL
	Lateral 2	Sec 11 T07S R20E 2000 FSL 1000 FWL

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

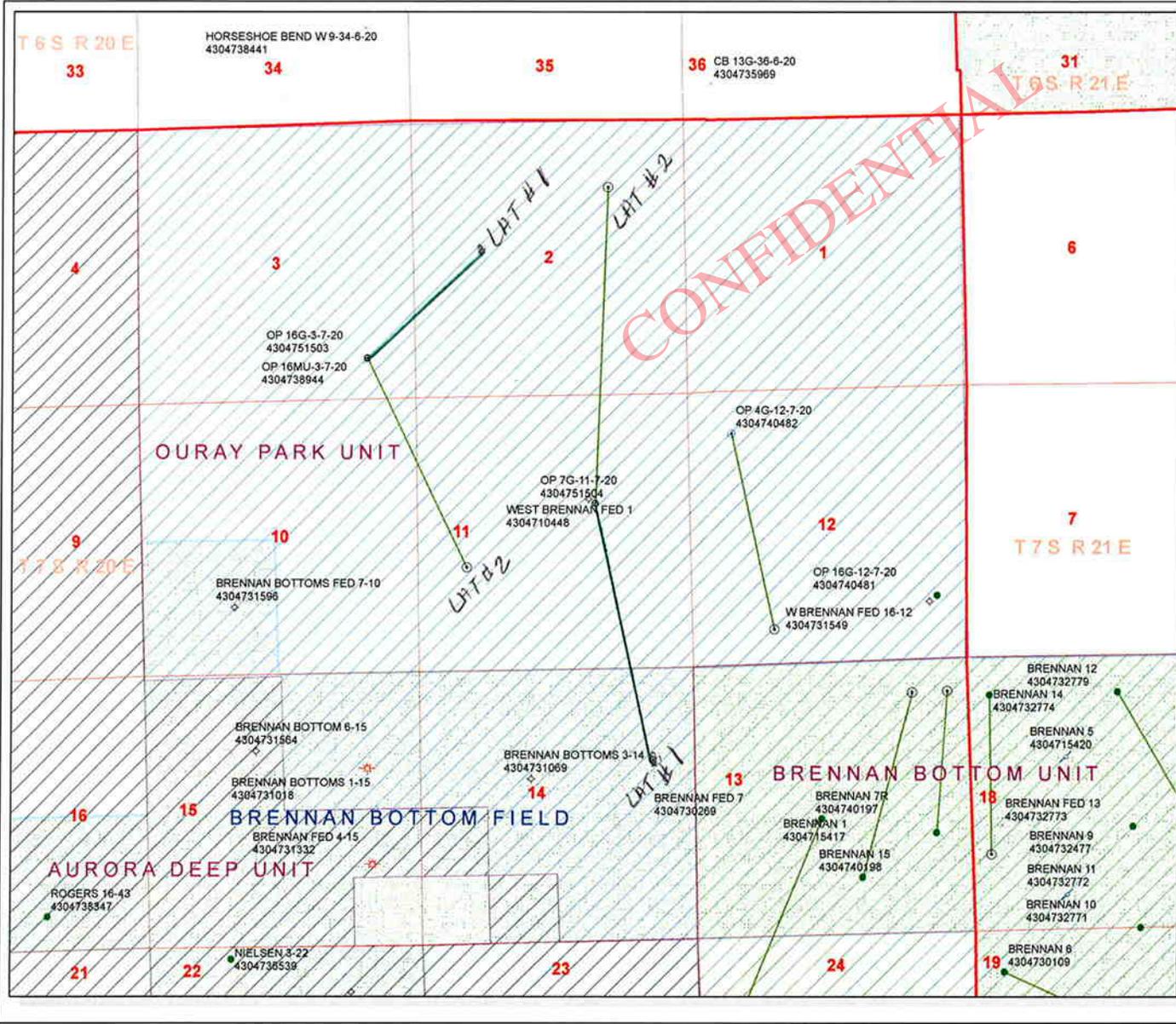
Michael L. Coulthard

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: 2011.02.25 10:41:47 -0700

bcc: File - Ouray Valley Park
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:2-25-11

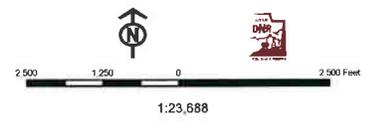
CONFIDENTIAL



API Number: 4304751504
Well Name: OP 7G-11-7-20
 Township 07.0 S Range 20.0 E Section 11
 Meridian: SLBM
 Operator: QEP ENERGY COMPANY

Map Prepared:
 Map Produced by Diana Mason

Units	Wells Query
ACTIVE	APD - Approval Permit
EXPLORATORY	DRILL - Drilling Commenced
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PP OIL	LOC - New Location
PP GEOTHERMAL	OPS - Operation Suspended
PP OIL	PA - Plugged Abandoned
SECONDARY	PGW - Producing Gas Well
TERMINATED	POW - Producing Oil Well
	RET - Retained APD
STATUS	SDW - Shut-in Gas Well
Unknown	SOW - Shut-in Oil Well
ABANDONED	TA - Temp Abandoned
ACTIVE	TW - Test Well
COMBALED	WDW - Water Disposal
INACTIVE	WIW - Water Injection Well
STORAGE	WSW - Water Supply Well
TERMINATED	
Section	
Township	



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 2/23/2011

API NO. ASSIGNED: 43047515040000

WELL NAME: OP 7G-11-7-20

OPERATOR: QEP ENERGY COMPANY (N3700)

PHONE NUMBER: 435 781-4331

CONTACT: Jan Nelson

PROPOSED LOCATION: SWNE 11 070S 200E

Permit Tech Review:

SURFACE: 2144 FNL 1841 FEL

Engineering Review:

BOTTOM: 1300 FNL 1500 FEL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.22707

LONGITUDE: -109.63291

UTM SURF EASTINGS: 616312.00

NORTHINGS: 4453646.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-86331

PROPOSED PRODUCING FORMATION(S): GREEN RIVER

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - ESB000024
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: A36125/ 49-2153
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

LOCATION AND SITING:

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

Comments: Presite Completed
HAS MULTI LATS;LAT #1 SEC 14;LAT #2 SEC 2:

Stipulations: 4 - Federal Approval - dmason
15 - Directional - bhill
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: OP 7G-11-7-20
API Well Number: 43047515040000
Lease Number: UTU-86331
Surface Owner: FEDERAL
Approval Date: 3/2/2011

Issued to:

QEP ENERGY COMPANY, 11002 East 17500 South, Vernal, Ut 84078

Authority:

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

Duration:

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

General:

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

Conditions of Approval:

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

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.

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.

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 <https://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:

A handwritten signature in black ink, appearing to read "John Rogers", with a stylized flourish at the end.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-86331
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: QEP ENERGY COMPANY	8. WELL NAME and NUMBER: OP 7G-11-7-20
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2144 FNL 1841 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 11 Township: 07.0S Range: 20.0E Meridian: S	9. API NUMBER: 43047515040000
	9. FIELD and POOL or WILDCAT: UNDESIGNATED
	COUNTY: UINTAH
	STATE: UTAH

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

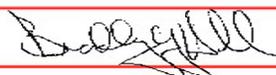
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/2/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<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.

QEP ENERGY COMPANY HEREBY REQUESTS A ONE YEAR EXTENSION FOR THE APD ON THE ABOVE CAPTIONED WELL.

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

Date: March 05, 2012

By: 

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 3/1/2012	



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 43047515040000

API: 43047515040000

Well Name: OP 7G-11-7-20

Location: 2144 FNL 1841 FEL QTR SWNE SEC 11 TWP 070S RNG 200E MER S

Company Permit Issued to: QEP ENERGY COMPANY

Date Original Permit Issued: 3/2/2011

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: Valyn Davis

Date: 3/1/2012

Title: Regulatory Affairs Analyst Representing: QEP ENERGY COMPANY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-86331
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: QEP ENERGY COMPANY	8. WELL NAME and NUMBER: OP 7G-11-7-20
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2144 FNL 1841 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 11 Township: 07.0S Range: 20.0E Meridian: S	9. API NUMBER: 43047515040000
	9. FIELD and POOL or WILDCAT: UNDESIGNATED
	COUNTY: UINTAH
	STATE: UTAH

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

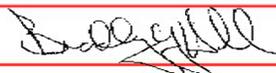
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/2/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<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.

QEP ENERGY COMPANY HEREBY REQUESTS A ONE YEAR EXTENSION FOR THE APD ON THE ABOVE CAPTIONED WELL.

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

Date: March 04, 2013

By: 

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 2/28/2013	



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 43047515040000

API: 43047515040000

Well Name: OP 7G-11-7-20

Location: 2144 FNL 1841 FEL QTR SWNE SEC 11 TWP 070S RNG 200E MER S

Company Permit Issued to: QEP ENERGY COMPANY

Date Original Permit Issued: 3/2/2011

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: Valyn Davis

Date: 2/28/2013

Title: Regulatory Affairs Analyst Representing: QEP ENERGY COMPANY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-86331
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:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: OP 7G-11-7-20
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047515040000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2144 FNL 1841 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 11 Township: 07.0S Range: 20.0E Meridian: S	COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/30/2013 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

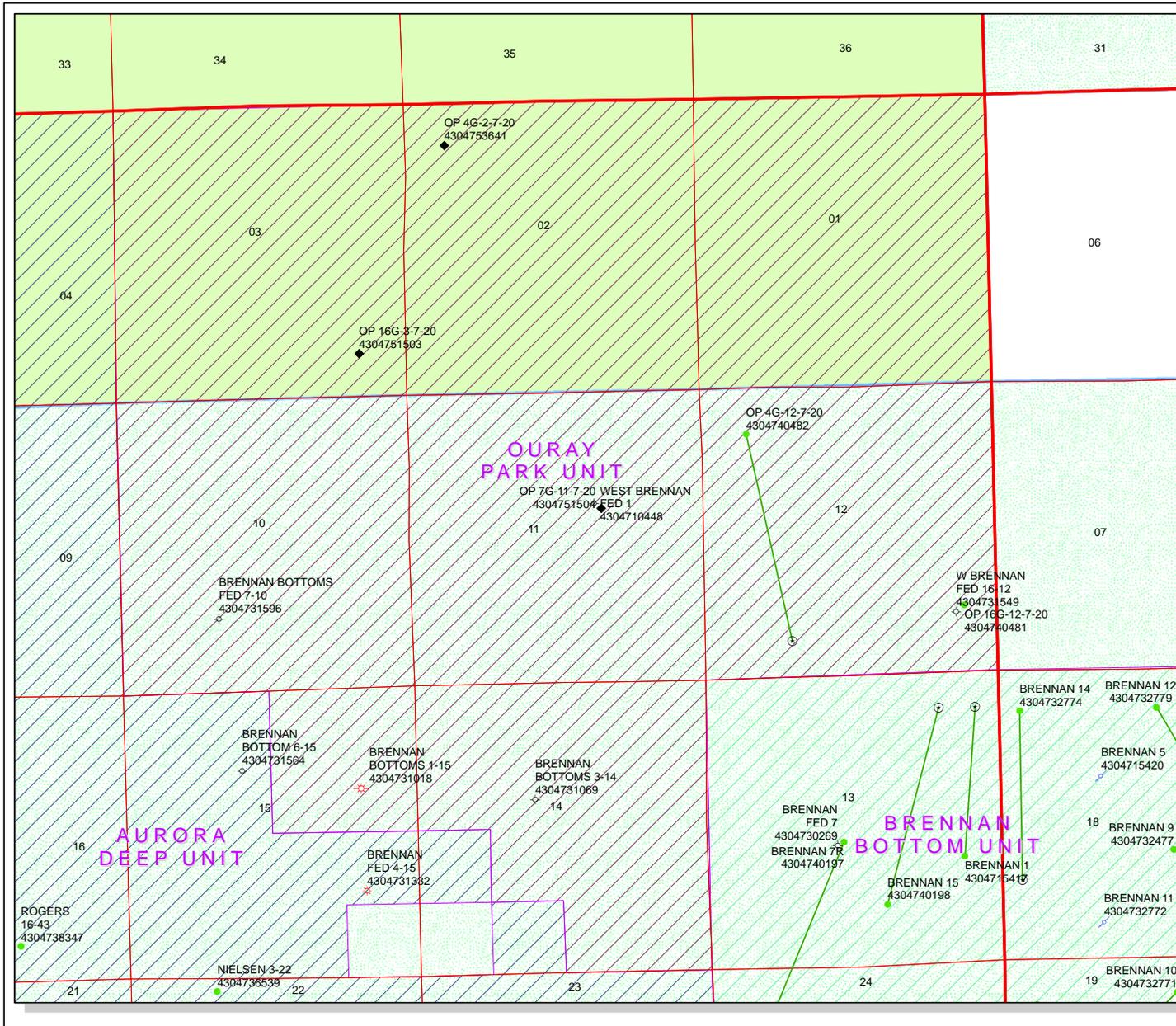
QEP ENERGY COMPANY REQUESTS TO CHANGE THE OP 7G-11-7-20 FROM A HORIZONTAL OIL WELL TO A VERTICAL OIL WELL. PLEASE SEE ATTACHED: LEGAL PLAT 8-POINT DRILLING PLAN

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

Date: November 18, 2013

By: 

NAME (PLEASE PRINT) Jan Nelson	PHONE NUMBER 435 781-4331	TITLE Permit Agent
SIGNATURE N/A	DATE 11/6/2013	



API Number: 4304751504

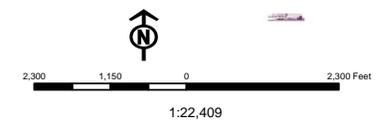
Well Name: OP 7G-11-7-20

Township: T07.0S Range: R20.0E Section: 11 Meridian: S

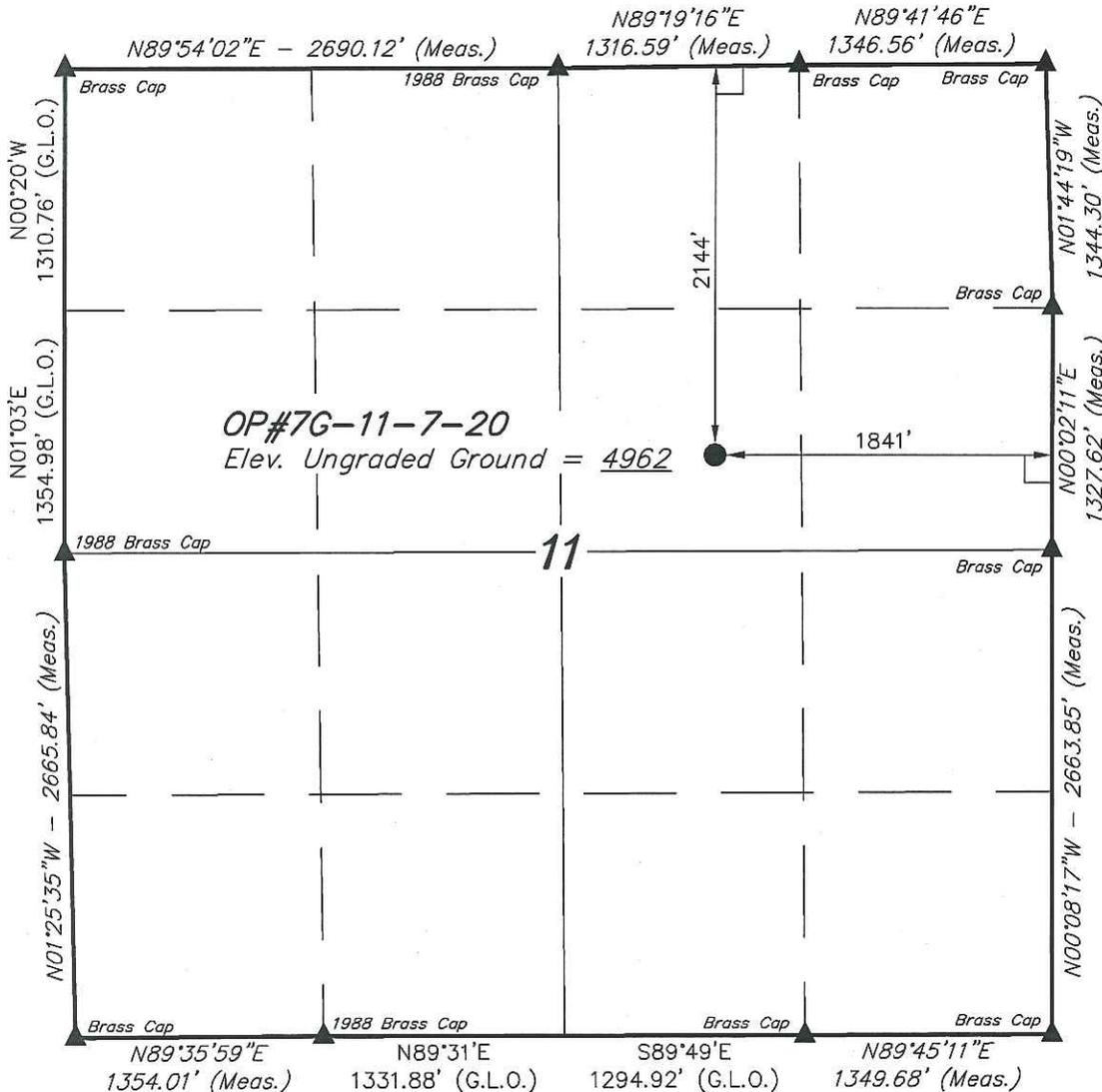
Operator: QEP ENERGY COMPANY

Map Prepared: 11/7/2013
Map Produced by Diana Mason

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



T7S, R20E, S.L.B.&M.



LEGEND:

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

(AUTONOMOUS NAD 83)
 LATITUDE = 40°13'37.23" (40.227008)
 LONGITUDE = 109°38'00.69" (109.633525)
 (AUTONOMOUS NAD 27)
 LATITUDE = 40°13'37.36" (40.227044)
 LONGITUDE = 109°37'58.19" (109.632831)

QEP ENERGY COMPANY

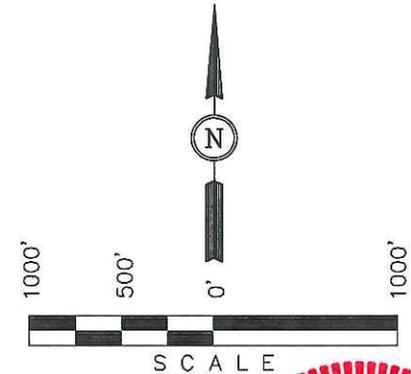
Well location, OP#7G-11-7-20, located as shown in the SW 1/4 NE 1/4 of Section 11, T7S, R20E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.

BASIS OF BEARINGS

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



CERTIFICATION

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

REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH 11-04-13

REV.: 11-04-13

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

SCALE 1" = 1000'	DATE SURVEYED: 08-17-10	DATE DRAWN: 08-25-10
PARTY B.H. N.F. J.I.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE QEP ENERGY COMPANY	

QEP Energy Company

OP 7G-11-7-20

New Vertical Well

Summarized Procedure

1. MIRU.
2. Drill 12 1/4" surface hole to 550'.
3. Run 8 5/8", 28#, HCK-55, STC casing and cement to surface.
4. NU rig's 3,000 WP rated BOP. Test BOP's and surface casing.
5. PU straight hole BHA.
6. Drill out surface casing and 10' of new formation. Perform FIT to 10.0ppg.
7. Drill 7 7/8" hole to 7,800'.
8. Circulate, POOH and LDDP.
9. Log well per geologist.
10. PU and run 5 1/2", 17.0#, N-80, LTC casing to TD, cement casing.
11. ND BOP's.
12. RDMOL.

ONSHORE OIL & GAS ORDER NO. 1
 QEP Energy Company
 OP 7G-11-7-20

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1 Approval of Operations on Onshore Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	4,036'
TD	7,800'

2. Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones

The estimated depths at which the top and bottom of the anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil	Green River	4,036'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right # 49-251 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal Site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

ONSHORE OIL & GAS ORDER NO. 1
 QEP Energy Company
 OP 7G-11-7-20

DRILLING PROGRAM

3. Operator's Specification for Pressure Control Equipment:

- A. A 3,000 psi double gate, 3,000 psi annular BOP (schematic included) from surface casing point to total depth.
- B. Functional test daily.
- C. All BOP connections subject to pressure shall be flanged, welded or clamped.
- D. Kill line (2" min), 2 choke line valves (3" min), choke line (3" min), 2 kill line valves (2" min) and a check valve, 2 chokes with one remotely controlled from rig floor and a pressure gauge on choke manifold.
- E. Upper and Lower Kelly cock valves with handles and safety valve and subs to fit all drill string connections.
- F. IBOP or float sub available.
- G. Fill up line must be installed above the uppermost preventer.
- H. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- I. Ram type preventers and associated equipment shall be tested to the approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 3M system and individual components shall be operable as designed.

4. Casing Design:

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.	MW
17-1/2"	14"	sfc	40'	Steel	Cond.	None	Used	Air
12-1/4"	8-5/8"	sfc	550'	28.0	HCK-55	STC	New	Air
7-7/8"	5-1/2"	sfc	7,800'	17.0	N-80	LTC	New	8-9.5 ppg

ONSHORE OIL & GAS ORDER NO. 1
 QEP Energy Company
 OP 7G-11-7-20

DRILLING PROGRAM

Casing Strengths:				Collapse	Burst	Tensile (min)
8-5/8"	28.0 lb.	HCK-55	STC	2,410 psi	3,390 psi	335,000 lb.
5-1/2"	17.0 lb.	N-80	LTC	6,290 psi	7,740 psi	348,000 lb.

MINIMUM DESIGN FACTORS:

COLLAPSE: 1.125

BURST: 1.10

TENSION: 1.80

Area Fracture Gradient: 0.65 psi/foot

Maximum anticipated mud weight: 9.5 ppg

Maximum surface treating pressure: 4,000 psi

Over pull margin (minimum): 100,000 lbs

5. Cementing Program

14" Conductor:

Cement to surface with construction cement.

8-5/8" Surface Casing: SFC – 550' (MD)

Tail Slurry: SFC – 550'. 468 sks (539 cu ft) Class G + 2% CaCl + 0.25 lb/sk Flocele. Slurry wt: 15.8 ppg, Slurry yield: 1.15 ft³/sk, Slurry volume: 12-1/4" to TD with 150% excess.

5-1/2" Production Casing: sfc – 7,800' (MD)

Lead Slurry: 0' – 5,000'. 464 sks (1,644 cu ft) ECONOCEM (65 Type 2-5/35 poz cement) + 0.25 lbm/sk Poly-E-Flake (LCM) + 1 lbm/sk Granulite TR ¼ (LCM) + 5.0 lb/sk Kol-Seal(LCM). Slurry wt: 11.0 ppg, Slurry yield: 3.54 ft³/sk, Slurry volume: 8-3/4" hole + 100% excess in open hole section.

Tail Slurry: 5,000' – 7,800'. 651 sks (970 cu ft) EXPANDACEM V3 (50/50 Poz G cement) + 0.2% HR-800 (Retarder) + 1 lbm/sk Granulite TR ¼ (LCM) + 0.125 lbm/sk Poly-E-Flake (LCM). Slurry wt: 13.5 ppg, Slurry yield: 1.49 ft³/sk, Slurry volume: 8-3/4" hole + 100% excess.

*A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

ONSHORE OIL & GAS ORDER NO. 1
QEP Energy Company
OP 7G-11-7-20

DRILLING PROGRAM

6. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually and/or PVT/Flow Show
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes
- F. Request for Variance

Possibility of drilling surface hole with air or aerated fluid:

A variance from 43 CFR 3160 Onshore Oil and Gas Order #2, Section III Requirements, subsection E. Special Drilling Operations is requested for the specific operation of drilling and setting surface casing on the subject well with a truck mounted air rig. The variance from the following requirements of Order #2 is requested because surface casing depth for this well is 550' and high pressures are not expected.

1. **Properly lubricated and maintained rotating head** – A diverter system in place of a rotating head. The diverter system forces the air and cutting returns to the reserve pit and is used to drill the surface casing.
2. **Blooiie line discharge 100 feet from wellbore and securely anchored** – the blooiie line discharge for this operation will be located 50 to 70 feet from the wellhead. This reduced length is necessary due to the smaller location size to minimize surface disturbance.
3. **Automatic igniter or continuous pilot light on blooiie line** – a diffuser will be used rather than an automatic pilot/igniter. Water is injected into the compressed air and eliminates the need for a pilot light and the need for dust suppression equipment.
4. **Compressors located in the opposite direction from the blooiie line a minimum of 100 feet from the wellbore** – compressors located within 50 feet on the opposite side of the wellbore from the blooiie line and is equipped with a 1) emergency kill switch on the driller's console, 2) pressure relief valves on the compressors, 3) spark arrestors on the motors.
5. **Well Kill Fluid** – A suitable amount of water and weighting agents will be available in the reserve pit during air drilling operations to kill the well, if necessary. No overpressured zones are expected in the area.

ONSHORE OIL & GAS ORDER NO. 1
QEP Energy Company
OP 7G-11-7-20

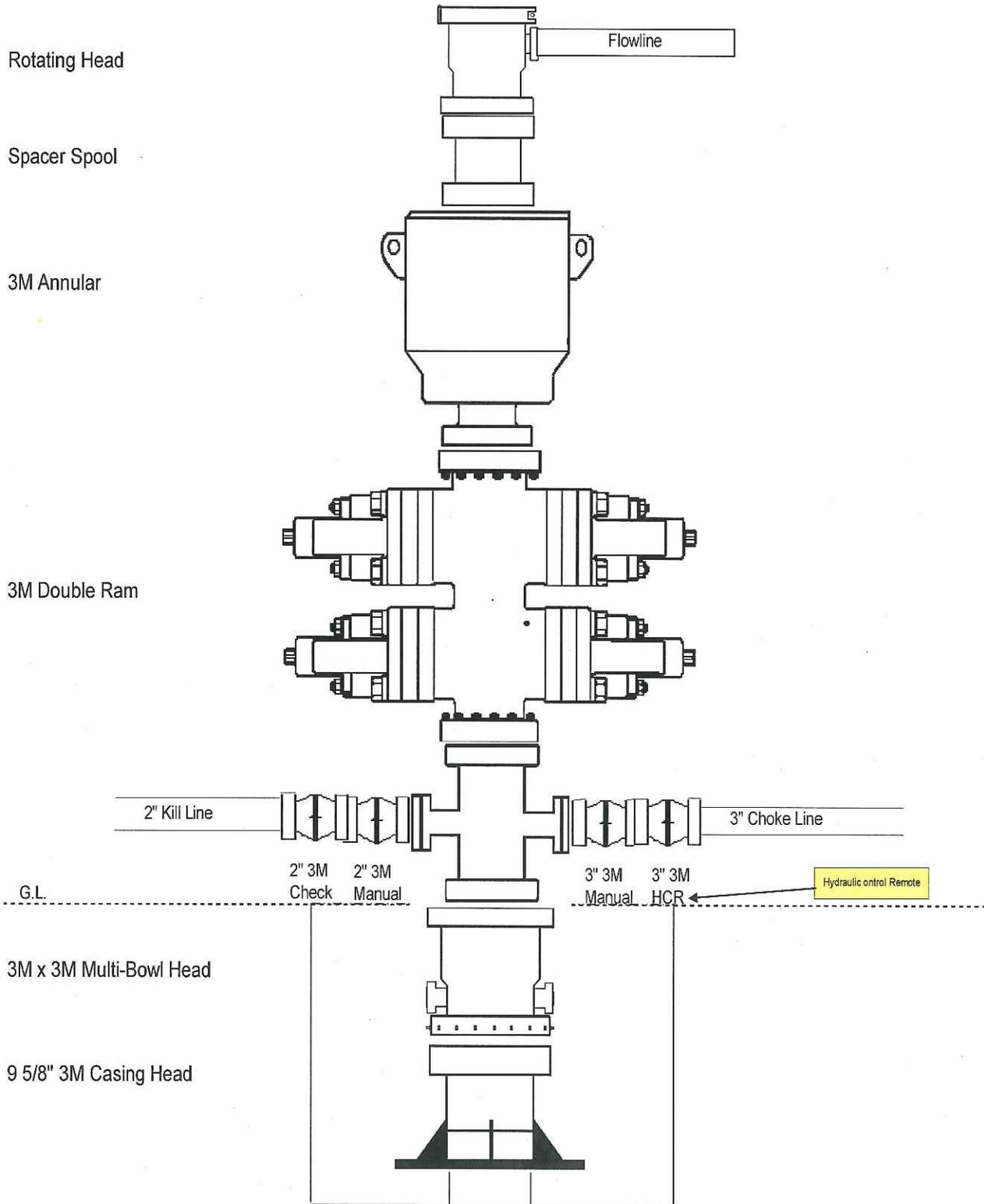
DRILLING PROGRAM

6. **Deflector on the end of the blooie line** – Contractor will mount a deflector unit at the end of the blooie line for the purpose of changing the direction and velocity of the air and cuttings flow into the reserve pit. Changing the velocity and direction of the cuttings and air will preserve the pit liner. In the event the deflector washes out due to erosion caused by the sand blasting effect of the cuttings, there will be no problem because the deflector is mounted on the very end of the blooie. A washed out deflector will be easily replaced.
 7. **Flare Pit** – there will be no need of a flare pit during the surface hole air drilling operation because the blooie line is routed directly to the reserve pit. When the big rig arrives for the main drilling after setting surface casing, a flare box will be installed and all flare lines will be routed to the flare box.
 - G. All other operations and equipment for air/gas drilling shall meet specifications in Onshore Order #2, Section III Requirements, subsection E. Special Drilling Operations and Onshore Order #1.
 - H. Drilling below the 8-5/8” casing will be done with water based mud. Maximum anticipated mud weight is 9.5 ppg.
 - I. No minimum quantity of weight material will be required to be kept on location.
 - J. Gas detector will be used from surface casing depth to TD.
7. **Testing, logging and coring program**
- A. Cores – none anticipated
 - B. DST – none anticipated
 - C. Logging – Mud logging – Surf Casing to TD
GR-Resistivity via and LWD
 - D. Formation and Completion Interval: Green River intervals, final determination of completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.
8. **Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards**
- No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 2,300 psi. Maximum anticipated bottom hole temperature is 120° F.

ONSHORE OIL & GAS ORDER NO. 1
QEP Energy Company
OP 7G-11-7-20

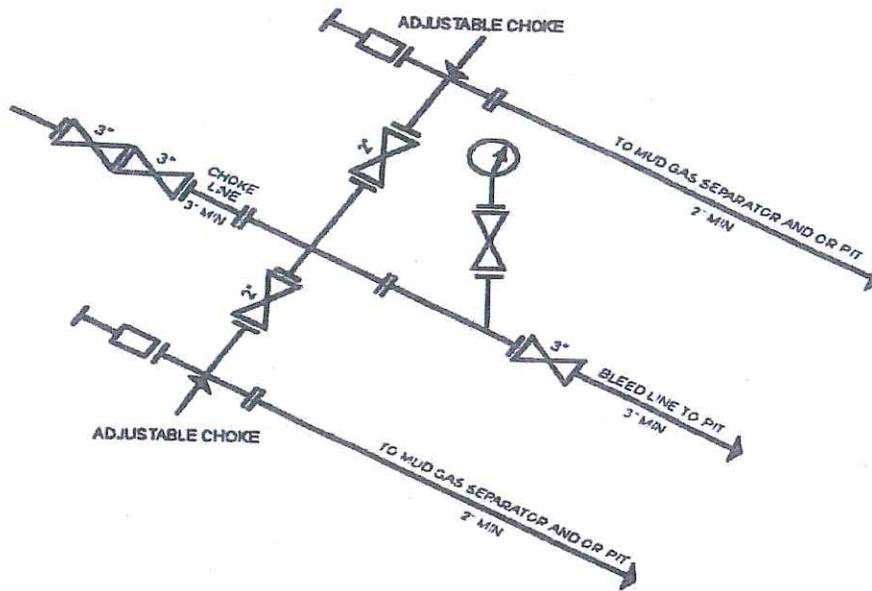
DRILLING PROGRAM

3M BOP STACK



ONSHORE OIL & GAS ORDER NO. 1
QEP Energy Company
OP 7G-11-7-20

DRILLING PROGRAM



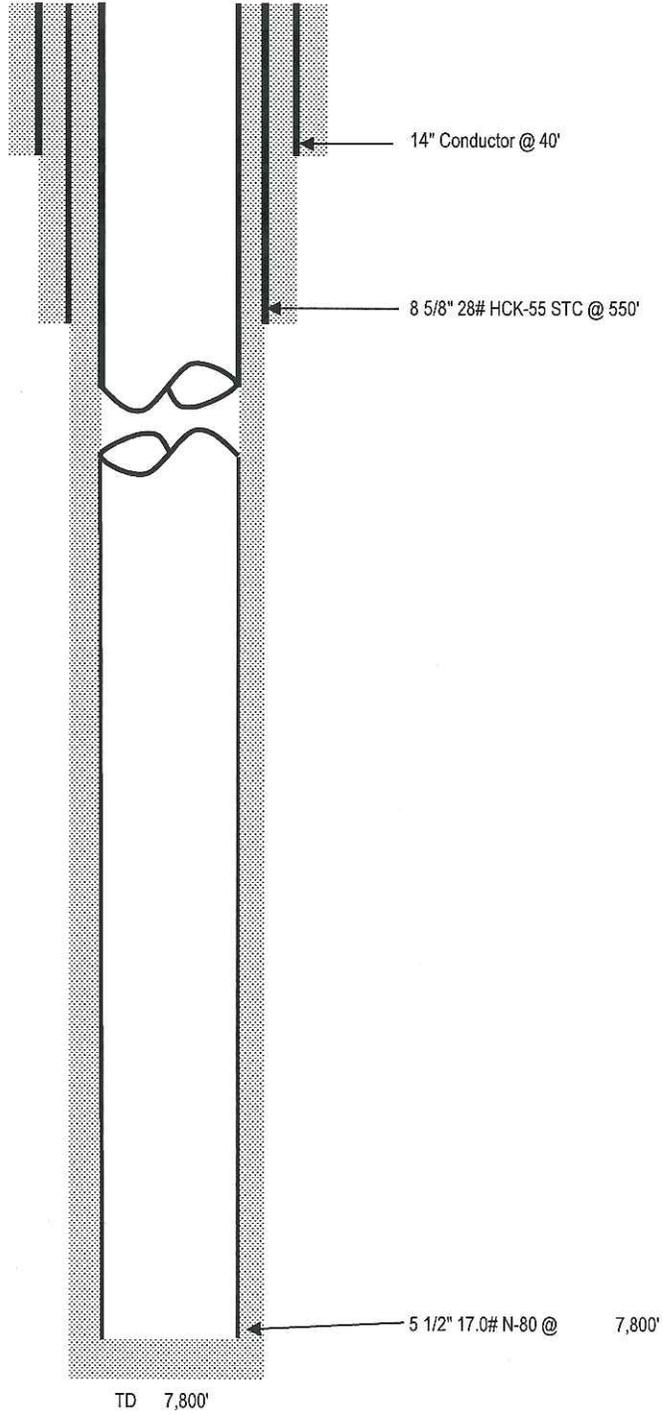
3M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY
[54 FR 39528, Sept. 27, 1989]

Modified 11-04-2013 CRA

OP 7G-11-7-20
API # 43-047
Proposed WBD
Uinta Basin

Sec. 11 T7S-R20E, Uintah Co, UT
LOCATION: 2,144' FNL & 1,841' FEL

KB 4,991'
GL 4,961'



RECEIVED

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

~~NOV 04 2013~~
Feb 22, 2011
BLM VERNAL, UTAH

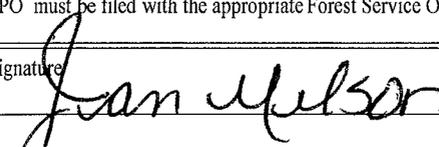
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-86311
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator QEP ENERGY COMPANY		7. If Unit or CA Agreement, Name and No.
3a. Address 11002 EAST 17500 SOUTH VERNAL UT 84078		8. Lease Name and Well No. OP 7G-11-7-20
3b. Phone No. (include area code) 435-781-4331		9. API Well No. 43 847 51504
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 2144 FNL, 1841' FEL, SWNE, SECTION 11, T7S, R20E At proposed prod. zone		10. Field and Pool, or Exploratory UNDESIGNATED
14. Distance in miles and direction from nearest town or post office* 23 MILES SOUTH OF VERNAL, UT		11. Sec., T. R. M. or Blk. and Survey or Area SECTION, 11, T7S, R20E, SLB&M
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1841'	16. No. of acres in lease 1840	12. County or Parish UINTAH
17. Spacing Unit dedicated to this well 40	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 0	19. Proposed Depth 7,800' MD	20. BLM/BIA Bond No. on file ESB000024
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4962.1 GR	22. Approximate date work will start* 01/15/2014	23. Estimated duration 15 DAYS

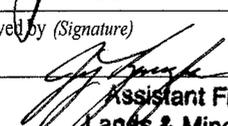
24. Attachments

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

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

25. Signature 	Name (Printed/Typed) JAN NELSON	Date 11/04/2013
---	------------------------------------	--------------------

Title
PERMIT AGENT

Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date NOV 12 2013
---	---------------------------------------	---------------------

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

Application approval 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.
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.

(Continued on page 2)

*(Instructions on page 2)

NOTICE OF APPROVAL

RECEIVED

CONFIDENTIAL

NOV 29 2013

UDOGM

DIV. OF OIL, GAS & MINING

RECEIVED

FEB 22 2011

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM VERNAL, UTAH

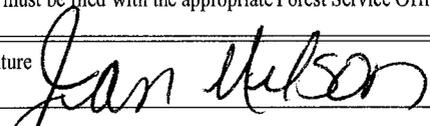
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-86331
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. Indian, Allottee or Tribe Name
2. Name of Operator QEP ENERGY COMPANY		7. If Unit or CA Agreement, Name and No. OURAY PARK, UTU-87721X
3a. Address 11002 EAST 17500 SOUTH VERNAL UT 84078		8. Lease Name and Well No. OP 7G-11-7-20
3b. Phone No. (include area code) 435-781-4331		9. API Well No.
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 2144' FNL, 1841' FEL, SWNE, SECTION 11, T7S, R20E At proposed prod. zone SEE ATTACHED		10. Field and Pool, or Exploratory UNDESIGNATED
14. Distance in miles and direction from nearest town or post office* 23.4 MILES SOUTHWEST OF VERNAL, UT		11. Sec., T. R. M. or Blk. and Survey or Area SECTION, 11, T7S, R20E, SLB&M
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1841'	16. No. of acres in lease 1840	12. County or Parish UINTAH
17. Spacing Unit dedicated to this well 40	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth LATERAL 1- 11,926' MD LATERAL 2- 13,308' MD	20. BLM/BIA Bond No. on file ESB000024
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4961.2 GR	22. Approximate date work will start* 10/01/2011	23. Estimated duration 45 DAYS

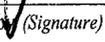
24. Attachments

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

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

25. Signature 	Name (Printed/Typed) JAN NELSON	Date 02/18/2011
---	------------------------------------	--------------------

Title
PERMIT AGENT

Approved by (Signature) 	Name (Printed/Typed)	Date
---	----------------------	------

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

Application approval 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.
Conditions of approval, if any, are 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.

(Continued on page 2)

*(Instructions on page 2)

NOS 10/4/2010

AFMSS# 11SX50013AE

CONFIDENTIAL

Additional Operator Remarks

QEP Energy Company proposes to drill a dual lateral horizontal oil well to test the Green River Formation. If productive, casing will be run and the well completed. If, dry the well will be plugged and abandoned as per BLM and State of Utah requirements.

See Onshore Oil & Gas Order No. 1

Please be advised that QEP Energy Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the lease lands.

Bond coverage for this well is provided by Bond No.ESB000024. The principal is QEP Energy Company via surety as consent as provided for the 43 CFR 3104.2.

Information for Dual Laterals

Surface Location

2144' FNL, 1841' FEL, SWNE, Section 11, T7S, R20E, Lease Number UTU-86331

Lateral 1

1500' FNL, 700' FEL, SENE, Section 14, T7S, R20E, Lease Number UTU-86331
4,681.24 Lateral Leg Length @ 166.44 Azimuth (See Attached Drilling Plans)
TD: 11,926' MD

Lateral 2

1300' FNL, 1500' FEL, NWNE, Section 2, T7S, R20E, Lease Number ML-49758
6,184.03 Lateral Leg Length @ 2.53 Azimuth (See Attached Drilling Plans)
TD: 13,308' MD



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: QEP Energy Company
Well No: OP 7G-11-7-20
API No: 43-047-51504

Location: SWNE, Sec. 11, T7S, R20E
Lease No: UTU-86331
Agreement: Ouray Park Unit

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)**

- 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.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.
- All vehicles and equipment shall be cleaned either through power-washing, or other approved method, if the vehicles or equipment were brought in from areas outside the Uinta Basin, to prevent weed seed introduction.
- All disturbance areas shall be monitored for noxious weeds annually, for a minimum of three growing seasons following completion of project or until desirable vegetation is established.
- Reclamation will be completed in accordance with the Questar Exploration and Production Company, Uintah Basin Division's Reclamation Plan on file with the Vernal Field Office of the BLM.
- In the event historic or archaeological resources are uncovered during construction, work will stop immediately and the appropriate BLM AO will be notified.
- Scientifically important fossils were found at well site, OP 16G-3-7-20 (IPC #10-216, February 2, 2011). Due to the number of fossils found during the survey for OP 16G-3-7-20, a permitted paleontologist will be present to monitor the construction of the access road and well pad.
- If paleontologic resources are uncovered during construction activities, the operator shall immediately suspend all operations that will further disturb such resources, and immediately notify the Authorized Officer (AO). The AO will arrange for a determination of significance and, if necessary, recommend a recovery or avoidance plan.
- Construction and drilling is not allowed from March 1 through August 31 to minimize impacts during burrowing owl nesting. If it is anticipated that construction or drilling would occur during the given timing restriction, a BLM or qualified biologist shall be notified so surveys can be conducted. Depending upon the results of the survey, a recommendation to proceed may or may not be advised by the biologist. Permission may or may not be granted by the Authorized Officer.
- All internal combustion equipment will be kept in good working order.
- Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer.

- Open burning of garbage or refuse will not occur at well sites or other facilities.
- Drill rigs will be equipped with Tier II or better diesel engines.
- Low bleed pneumatics will be installed on separator dump valves and other controllers. The use of low bleed pneumatics will result in a lower emission of VOCs.
- During completion, flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.
- Well site telemetry would be utilized as feasible for production operations.
- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.
- The best method to avoid entrainment is to pump from an off-channel location – one that does not connect to the river during high spring flows. An infiltration gallery constructed in a BLM and Service approved location is best.
- If the pump head is located in the river channel where larval fish are known to occur, the following measures apply:
 - do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate larval fishes;
 - limit the amount of pumping, to the greatest extent possible, during that period of the year when larval fish may be present (April 1 to August 31); and
 - limit the amount of pumping, to the greatest extent possible, during the pre-dawn hours as larval drift studies indicate that this is a period of greatest daily activity.
- Screen all pump intakes with 3/32" mesh material.
- Approach velocities for intake structures will follow the National Marine Fisheries Service's document "Fish Screening Criteria for Anadromous Salmonids." For projects with an in-stream intake that operate in stream reaches where larval fish may be present, the approach velocity will not exceed 0.33 feet per second (ft/s).
- Report any fish impinged on the intake screen to the Service (801.975.3330) and the Utah Division of Wildlife Resources:
 - Northeastern Region
 - 152 East 100 North, Vernal, UT 84078
 - Phone: (435) 781-9453

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

SITE SPECIFIC DOWNHOLE COAs:

- For each of the lateral wellbores, a copy of the as drilled directional survey shall be submitted to the BLM Vernal Field Office.
- For each of the lateral wellbores, a listing of the leases drilled through along with the corresponding Section-Township-Range, Measured Depth and True Vertical Depth information.

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 LAS format to BLM_UT_VN_Welllogs@BLM.gov. 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: UTU-86331	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	
8. WELL NAME and NUMBER: OP 7G-11-7-20	
9. API NUMBER: 43047515040000	
9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM	
COUNTY: UINTAH	
STATE: UTAH	

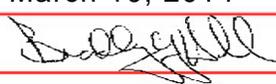
SUNDRY NOTICES AND REPORTS ON WELLS
 Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL Oil Well	
2. NAME OF OPERATOR: QEP ENERGY COMPANY	
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2144 FNL 1841 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 11 Township: 07.0S Range: 20.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/2/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input 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.
 QEP ENERGY COMPANY HEREBY REQUESTS A ONE YEAR EXTENSION FOR THE APD ON THE ABOVE CAPTIONED WELL.

Approved by the Utah Division of Oil, Gas and Mining
Date: March 10, 2014
By: 

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 3/3/2014	



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 43047515040000

API: 43047515040000

Well Name: OP 7G-11-7-20

Location: 2144 FNL 1841 FEL QTR SWNE SEC 11 TWP 070S RNG 200E MER S

Company Permit Issued to: QEP ENERGY COMPANY

Date Original Permit Issued: 3/2/2011

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: Valyn Davis

Date: 3/3/2014

Title: Regulatory Affairs Analyst Representing: QEP ENERGY COMPANY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-86331
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:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: OP 7G-11-7-20
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047515040000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2144 FNL 1841 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 11 Township: 07.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/27/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

QEP ENERGY COMPANY REQUESTS TO **CHANGE THE CASING** FOR OP 7G-11-7-20. CHANGES TO THE DRILLING PLAN ARE: -RUN 9 5/8" CASING TO 550'. -DRILL 7 7/8" PRODUCTION HOLE, RUN 5 1/2" CASING TO 8,850'. -EXTEND TD TO 8,850'. PLEASE SEE ATTACHED: DRILLING PLAN

Accepted by the Utah Division of Oil, Gas and Mining
 June 05, 2014

Date: _____

By: *Derek Quist*

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A		DATE 5/27/2014

QEP Energy Company

OP 7G-11-7-20

New Vertical Well

Summarized Procedure

1. MIRU.
2. Drill 12 1/4" surface hole to 550'.
3. Run 9 5/8", 36#, J-55, STC casing and cement to surface.
4. NU rig's 3,000 WP rated BOP. Test BOP's and surface casing.
5. PU straight hole BHA.
6. Drill out surface casing and 10' of new formation. Perform FIT to 10.0ppg.
7. Drill 7 7/8" hole to 8,850'.
8. Circulate, POOH and LDDP.
9. Log well per geologist.
10. PU and run 5 1/2", 17.0#, N-80, LTC casing to TD, cement casing.
11. ND BOP's.
12. RDMOL.

ONSHORE OIL & GAS ORDER NO. 1
QEP Energy Company
OP 7G-11-7-20

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. **Formation Tops**

The estimated tops of important geologic markers are as follows:

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	4,036'
TD	8,850'

2. **Anticipated Depths of Oil Gas Water and Other Mineral Bearing Zones**

The estimated depths at which the top and bottom of the anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are as follows:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil	Green River	4,036'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right # 49-251 (which was filed on May 7, 1964,) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal Site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

ONSHORE OIL & GAS ORDER NO. 1
 QEP Energy Company
 OP 7G-11-7-20

DRILLING PROGRAM

3. Operator's Specification for Pressure Control Equipment:

- A. A 3,000 psi double gate, 3,000 psi annular BOP (schematic included) from surface casing point to total depth.
- B. Functional test daily.
- C. All BOP connections subject to pressure shall be flanged, welded or clamped.
- D. Kill line (2" min), 2 choke line valves (3" min), choke line (3" min), 2 kill line valves (2" min) and a check valve, 2 chokes with one remotely controlled from rig floor and a pressure gauge on choke manifold.
- E. Upper and Lower Kelly cock valves with handles and safety valve and subs to fit all drill string connections.
- F. IBOP or float sub available.
- G. Fill up line must be installed above the uppermost preventer.
- H. All casing strings shall be pressure tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- I. Ram type preventers and associated equipment shall be tested to the approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 3M system and individual components shall be operable as designed.

4. Casing Design:

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.	MW
17-1/2"	14"	sfc	40'	Steel	Cond.	None	Used	Air
12-1/4"	9-5/8"	sfc	550'	36.0	J-55	STC	New	Air
7-7/8"	5-1/2"	sfc	8,850'	17.0	N-80	LTC	New	8-9.5 ppg

ONSHORE OIL & GAS ORDER NO. 1
 QEP Energy Company
 OP 7G-11-7-20

DRILLING PROGRAM

Casing Strengths:				Collapse	Burst	Tensile (min)
9-5/8"	36.0 lb.	J-55	STC	2,020 psi	3,520 psi	394,000 lb.
5-1/2"	17.0 lb.	N-80	LTC	6,290 psi	7,740 psi	348,000 lb.

MINIMUM DESIGN FACTORS:

COLLAPSE: 1.125

BURST: 1.10

TENSION: 1.80

Area Fracture Gradient: 0.65 psi/foot

Maximum anticipated mud weight: 9.5 ppg

Maximum surface treating pressure: 4,000 psi

Over pull margin (minimum): 100,000 lbs

5. Cementing Program

14" Conductor:

Cement to surface with construction cement.

9-5/8" Surface Casing: SFC – 550' (MD)

Tail Slurry: SFC – 1,000'. 385 sks (439 cu ft) Class G + 2% CaCl + 0.25 lb/sk Flocele. Slurry wt: 15.8 ppg, Slurry yield: 1.15 ft³/sk, Slurry volume: 12-1/4" to TD with 150% excess.

5-1/2" Production Casing: sfc – 8,850' (MD)

Lead Slurry: 0' – 5,000'. 445 sks (1,565 cu ft) ECONOCEM (65 Type 2-5/35 poz cement) + 0.25 lbm/sk Poly-E-Flake (LCM) + 1 lbm/sk Granulite TR ¼ (LCM) + 5.0 lb/sk Kol-Seal(LCM). Slurry wt: 11.0 ppg, Slurry yield: 3.54 ft³/sk, Slurry volume: 8-3/4" hole + 50% excess in open hole section.

Tail Slurry: 5,000' – 8,850'. 505 sks (746 cu ft) EXPANDACEM V3 (50/50 Poz G cement) + 0.2% HR-800 (Retarder) + 1 lbm/sk Granulite TR ¼ (LCM) + 0.125 lbm/sk Poly-E-Flake (LCM). Slurry wt: 13.5 ppg, Slurry yield: 1.49 ft³/sk, Slurry volume: 8-3/4" hole + 50% excess.

*A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

ONSHORE OIL & GAS ORDER NO. 1
QEP Energy Company
OP 7G-11-7-20

DRILLING PROGRAM

6. Auxiliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – no
- C. Monitoring equipment on the mud system – visually and/or PVT/Flow Show
- D. Full opening safety valve on the rig floor – yes
- E. Rotating Head – yes
- F. Request for Variance

Possibility of drilling surface hole with air or aerated fluid:

A variance from 43 CFR 3160 Onshore Oil and Gas Order #2, Section III Requirements, subsection E. Special Drilling Operations is requested for the specific operation of drilling and setting surface casing on the subject well with a truck mounted air rig. The variance from the following requirements of Order #2 is requested because surface casing depth for this well is 550' and high pressures are not expected.

1. **Properly lubricated and maintained rotating head** – A diverter system in place of a rotating head. The diverter system forces the air and cutting returns to the reserve pit and is used to drill the surface casing.
2. **Blooiie line discharge 100 feet from wellbore and securely anchored** – the blooiie line discharge for this operation will be located 50 to 70 feet from the wellhead. This reduced length is necessary due to the smaller location size to minimize surface disturbance.
3. **Automatic igniter or continuous pilot light on blooiie line** – a diffuser will be used rather than an automatic pilot/igniter. Water is injected into the compressed air and eliminates the need for a pilot light and the need for dust suppression equipment.
4. **Compressors located in the opposite direction from the blooiie line a minimum of 100 feet from the wellbore** – compressors located within 50 feet on the opposite side of the wellbore from the blooiie line and is equipped with a 1) emergency kill switch on the driller's console, 2) pressure relief valves on the compressors, 3) spark arrestors on the motors.
5. **Well Kill Fluid** – A suitable amount of water and weighting agents will be available in the reserve pit during air drilling operations to kill the well, if necessary. No overpressured zones are expected in the area.

ONSHORE OIL & GAS ORDER NO. 1

QEP Energy Company

OP 7G-11-7-20

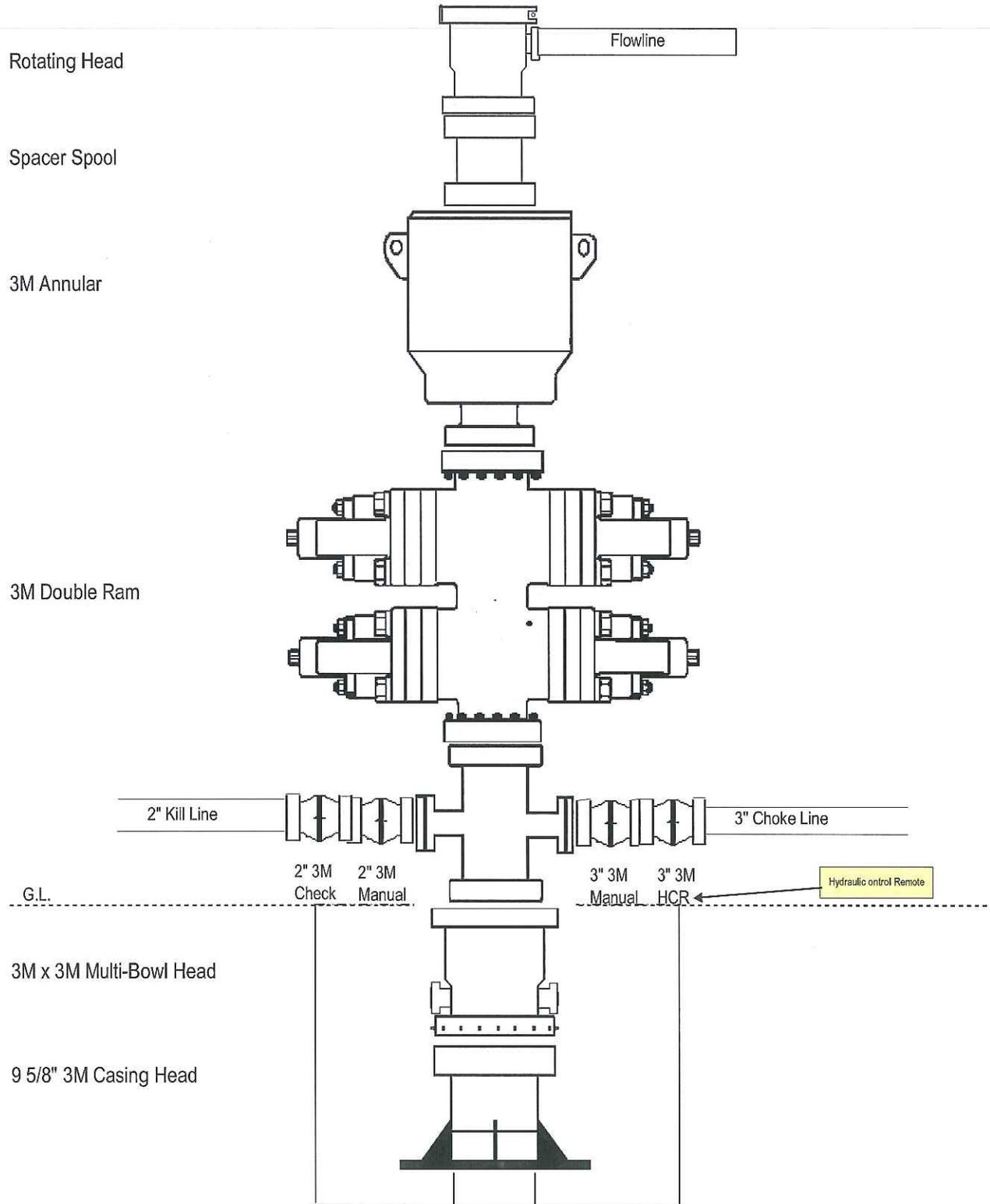
DRILLING PROGRAM

6. **Deflector on the end of the blooie line** – Contractor will mount a deflector unit at the end of the blooie line for the purpose of changing the direction and velocity of the air and cuttings flow into the reserve pit. Changing the velocity and direction of the cuttings and air will preserve the pit liner. In the event the deflector washes out due to erosion caused by the sand blasting effect of the cuttings, there will be no problem because the deflector is mounted on the very end of the blooie. A washed out deflector will be easily replaced.
 7. **Flare Pit** – there will be no need of a flare pit during the surface hole air drilling operation because the blooie line is routed directly to the reserve pit. When the big rig arrives for the main drilling after setting surface casing, a flare box will be installed and all flare lines will be routed to the flare box.
 - G. All other operations and equipment for air/gas drilling shall meet specifications in Onshore Order #2, Section III Requirements, subsection E. Special Drilling Operations and Onshore Order #1.
 - H. Drilling below the 8-5/8” casing will be done with water based mud. Maximum anticipated mud weight is 9.5 ppg.
 - I. No minimum quantity of weight material will be required to be kept on location.
 - J. Gas detector will be used from surface casing depth to TD.
7. **Testing, logging and coring program**
- A. Cores – none anticipated
 - B. DST – none anticipated
 - C. Logging – Mud logging –Surf Casing to TD
GR-Resistivity via and LWD
 - D. Formation and Completion Interval: Green River intervals, final determination of completion will be made by analysis of logs.
Stimulation – Stimulation will be designed for the particular area of interest as encountered.
8. **Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards**
- No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 2,300 psi. Maximum anticipated bottom hole temperature is 120° F.

ONSHORE OIL & GAS ORDER NO. 1
QEP Energy Company
OP 7G-11-7-20

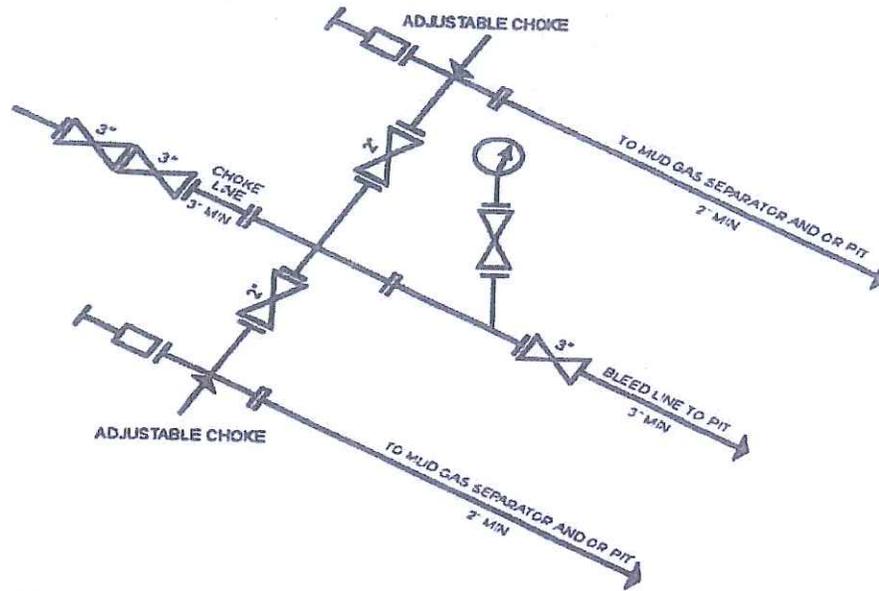
DRILLING PROGRAM

3M BOP STACK



ONSHORE OIL & GAS ORDER NO. 1
QEP Energy Company
OP 7G-11-7-20

DRILLING PROGRAM



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

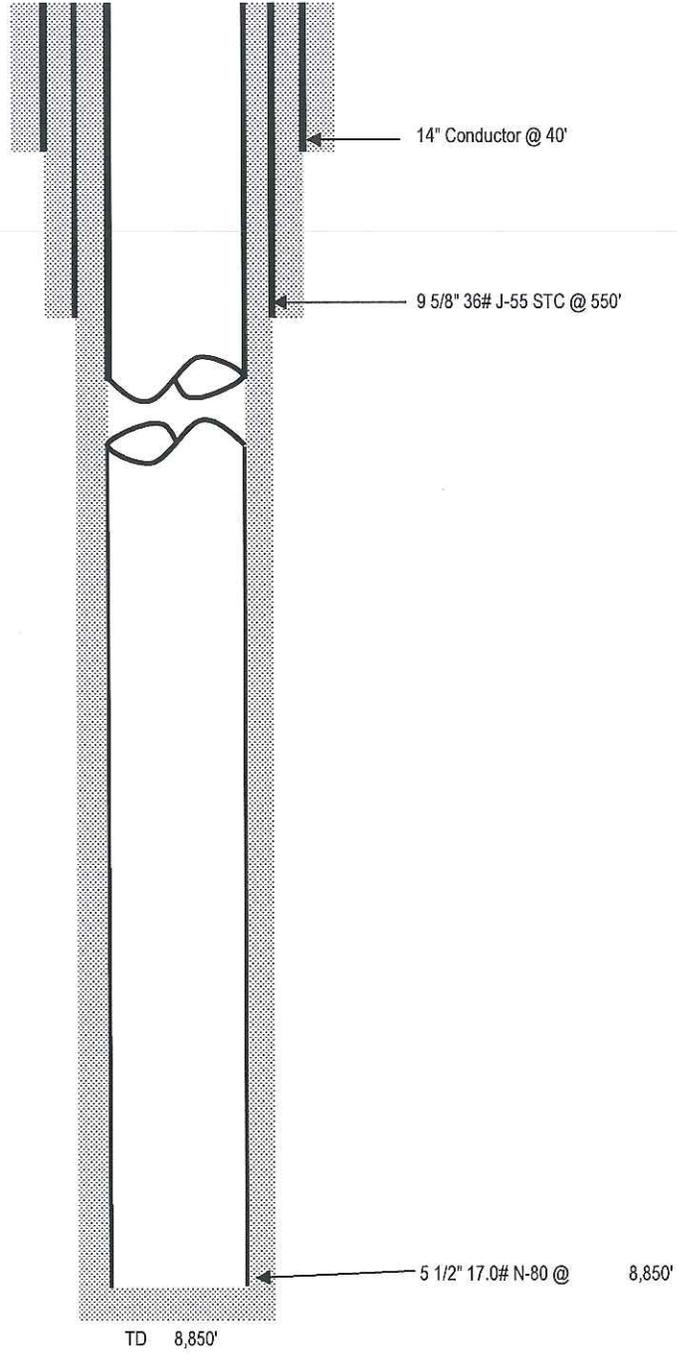
Modified 05-14-2014 CRA

OP 7G-11-7-20

**Proposed WBD
Uinta Basin**

Sec. 11 T7S-R20E, Uintah Co, UT
LOCATION: 2,144' FNL & 1,841' FEL

KB 4,991'
GL 4,961'



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-86331
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: QEP ENERGY COMPANY	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	8. WELL NAME and NUMBER: OP 7G-11-7-20
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2144 FNL 1841 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 11 Township: 07.0S Range: 20.0E Meridian: S	9. API NUMBER: 43047515040000
9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM	COUNTY: UINTAH
9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 6/12/2014	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

ON 6/12/2014- QEP ENERGY COMPANY SET 40' OF 14" CONDUCTOR PIPE AND CEMENTED WITH READY MIX.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining**
FOR RECORD ONLY
 June 16, 2014

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 6/16/2014	

BLM - Vernal Field Office - Notification Form

Operator QEP ENERGY Rig Name/# Pete Martin #1 Submitted
By Dave Harding Phone Number 435 828-0396
Well Name/Number OP 7G-11-7-20
Qtr/Qtr SW/NE Section 11 Township 7S Range 20E
Lease Serial Number UTU-86311
API Number 43-047-51504

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 6/12/2014 10:00 AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time _____ AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time _____ AM PM

Remarks Pete Martin Drilling will be setting 40 ft of 14" conductor

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP ENERGY Rig Name/# SST RIG #8 Submitted By
MURRAY BECKER Phone Number 435 828-0394

Well Name/Number OP 7G-11-7-20

Qtr/Qtr SW/NE Section 11 Township 7S Range 20E

Lease Serial Number UTU-86311

API Number 43-047-51504

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 6/12/2014 10:00 AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time _____ AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time 7/29/2014 6:00 AM PM

Remarks WE WILL START DOIN OUR FIT TEST
TO A 10.5 EMW ON 7/29/2014 AT 6:00 PM

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP ENERGY Rig Name/# SST RIG #8 Submitted By
MURRAY BECKER Phone Number 435 828-0394
Well Name/Number OP 7G-11-7-20
Qtr/Qtr SW/NE Section 11 Township 7S Range 20E
Lease Serial Number UTU-86311
API Number 43-047-51504

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 6/12/2014 10:00 AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time 7/28/14 10.00 AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time 7/29/2014 3:00 AM PM

Remarks WE SHOULD START RUNNING 9 5/8 CASING AT 10:00
AM ON 7/28/2014. START CEMENTING AT 3:00 PM 7/28/2014.
3000# BOP TEST AT 3:00 AM ON 7/29/2014

BLM - Vernal Field Office - Notification Form

Operator QEP ENERGY Rig Name/# SST RIG #8 Submitted By
MURRAY BECKER Phone Number 435 828-0394
 Well Name/Number OP 7G-11-7-20
 Qtr/Qtr SW/NE Section 11 Township 7S Range 20E
 Lease Serial Number ~~UTU-86311~~ UTU86231
 API Number 43-047-51504

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time 8/6/14 10:00 AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time _____ AM PM

Remarks WE SHOULD START RUNNING 5 1/2 CASING @ 10:00 AM AND START CEMENTING AT 23:30 ON 8/6/2014

BLM - Vernal Field Office - Notification Form

Operator QEP ENERGY Rig Name/# SST RIG #8 Submitted By
MURRAY BECKER Phone Number 435 828-0394
 Well Name/Number OP 7G-11-7-20
 Qtr/Qtr SW/NE Section 11 Township 7S Range 20E
 Lease Serial Number ~~UTU-86311~~ UTU86231
 API Number 43-047-51504

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time 8/6/14 10:00 AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time _____ AM PM

Remarks WE SHOULD START RUNNING 5 1/2 CASING @ 10:00 AM AND START CEMENTING AT 23:30 ON 8/6/2014

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-86331
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: OURAY PARK II
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: OP 7G-11-7-20	
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047515040000	
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext	9. FIELD and POOL or WILDCAT: BRENNAN BOTTOM
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2144 FNL 1841 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 11 Township: 07.0S Range: 20.0E Meridian: S	COUNTY: UINTAH	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/29/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THIS WELL COMMENCED PRODUCTION ON AUGUST 29, 2014 @ 9:15 P.M.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 03, 2014		
NAME (PLEASE PRINT) Jan Nelson	PHONE NUMBER 435 781-4331	TITLE Permit Agent
SIGNATURE N/A	DATE 9/3/2014	

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU86331	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT or CA AGREEMENT NAME OURAY PARK II	
8. WELL NAME and NUMBER: OP 7G-11-7-20	
9. API NUMBER: 4304751504	
10 FIELD AND POOL, OR WILDCAT BRENNAN BOTTOM	11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNE 11 7S 20E
12. COUNTY UINTAH	13. STATE UTAH
14. DATE SPUNDED: 6/12/2014	15. DATE T.D. REACHED: 8/4/2014
16. DATE COMPLETED: 8/29/2014	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>
17. ELEVATIONS (DF, RKB, RT, GL): 4,962' GL	
18. TOTAL DEPTH: MD 8,855 TVD 8,854	19. PLUG BACK T.D.: MD TVD
20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE MD PLUG SET: TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) TRIPLE COMBO, CBL	
23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625 J55	36	0	1,615		565	227	300	
7.875	5.5 P11	17	0	8,841		1,95	667		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	8,104							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) GREEN RIVER	6,170	8,076		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
6,170 8,076	.42	286	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6,170 - 8,076	11,625 BBLs SLICKWATER; 850,000 LBS 20/40 SAND

29. ENCLOSED ATTACHMENTS:	30. WELL STATUS:
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> DST REPORT <input type="checkbox"/> DIRECTIONAL SURVEY <input checked="" type="checkbox"/> OTHER: <u>OPS SUMMARY</u>	POW

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 8/29/2014	TEST DATE: 9/7/2014	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL - BBL: 183	GAS - MCF: 12	WATER - BBL: 120	PROD. METHOD: GPU
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

USED ON LEASE

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				GREEN RIVER MAHOGANY MARKER WASATCH	3,912 5,709 7,341

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) BENNA MUTH TITLE REGULATORY ASSISTANT - CONTRACT
 SIGNATURE *Benna Muth* DATE 9/16/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- reentering a previously plugged and abandoned well
- drilling horizontal laterals from an existing well bore
- significantly deepening an existing well bore below the previous bottom-hole depth
- recompleting to a different producing formation
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801



QEP Energy Company

Daily Activity and Cost Summary

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical	
Unique Well ID UT102942	Ground Elevation (ft) 4,956.2	Casing Flange Elevation (ft) 4,956.20	Current KB to GL (ft) 22.60	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00	Final Drig Rig Release 8/7/2014 18:00
Job Category DRILLING	Primary Job Type AFE - DRL-DR (Drilling)	Secondary Job Type	Objective			
Start Date 7/23/2014	Job End Date 8/7/2014					

Purpose

Summary

Contractor SST Energy	RIG SST 8	Rig Type TOP DRIVE
--------------------------	--------------	-----------------------

RPT #	Start Date	Summary
1	7/23/2014	RIG DOWN RIG AND TOP DRIVE
2	7/24/2014	RIG DOWN AND MOVE RIG 3.5 MILES WITH WESTROC TRUCKING AND J&C CRANE.
3	7/25/2014	MOVE AND RIG UP RIG WITH WESTROC TRUCKING AND 1 CRANE
4	7/26/2014	RIG UP RIG, RAISE DERRICK, PICK UP TOP DRIVE AND RIG UP SAME, TROUBLE SHOOT TOP DRIVE, LAY OUT BHA AND STRAP, NU DIVERTER AND HOOK UP FLOW LINE. WELD AND RIG UP RISER
5	7/27/2014	STRAP BHA.,PRE SPUD INSPECTION. RIG SERVICE, RIG REPAIR, HYDROLIC HOSE ON TOP DRIVE, PICK UP SURFACE BHA. DRILL 12.1/4 HOLE, TRIP OUT TO SHOE, RIG REPAIR, DRILL.
6	7/28/2014	DRILL 12 1/4 HOLE, CIRC.,SHORT TRIP, CIRCULATE AND PUMP SWEEPS, TRIP OUT, LAY DOWN 8" TOOLS, PJSM AND RIG UP CASERS, RUN 9 5/8 CASING, CIRCULATE CASING, CEMENT, WAIT ON CEMENT, CUT OFF CASING AND WELD ON WELL HEAD
7	7/29/2014	CUT OFF CASING AND WELD ON WELL HEAD, NIPPLE UP BOP, TEST BOPE.INSTALL WEAR BUSHING, TRIP IN, CUT DRILLING LINE, RIG SERVICE, DRILL SHOE TRACK AND 10 FT. OF NEW HOLE, FIT TO 10.5 EMW, DRILL 7 7/8 HOLE
8	7/30/2014	DRILL 7 7/8 HOLE, RIG SERVICE
9	7/31/2014	DRILL 7 7/8 HOLE, SHORT TRIP, DRILL, RIG SERVICE
10	8/1/2014	DRILLING 7 7/8 HOLE, RIG SERVICE
11	8/2/2014	DRILL 7 7/8 HOLE, TRIP, BACK REAM 4128 TO 3898, CHANGE BHA, TRIP, DRILL,
12	8/3/2014	DRILL, RIG SERVICE
13	8/4/2014	DRILL, CIRCULALE, SHORT TRIP TO 1600, CIRCULATE, TRIP OUT FOR LOGS.
14	8/5/2014	TRIP OUT FOR LOGS,
15	8/6/2014	CIRCULATE & CONDITION HOLE. PJSM. LAY DOWN DRILL STRING. PJSM. RIG UP & RUN 5.5" PRODUCTION CASING. CIRCULATE. PJSM. RIG UP HALLIBURTON.
16	8/7/2014	PJSM. CEMENT CASING. SET PACK OFF. L/D LANDING JT. CLEAN MUD TANKS. NIPPLE DOWN BOPE.

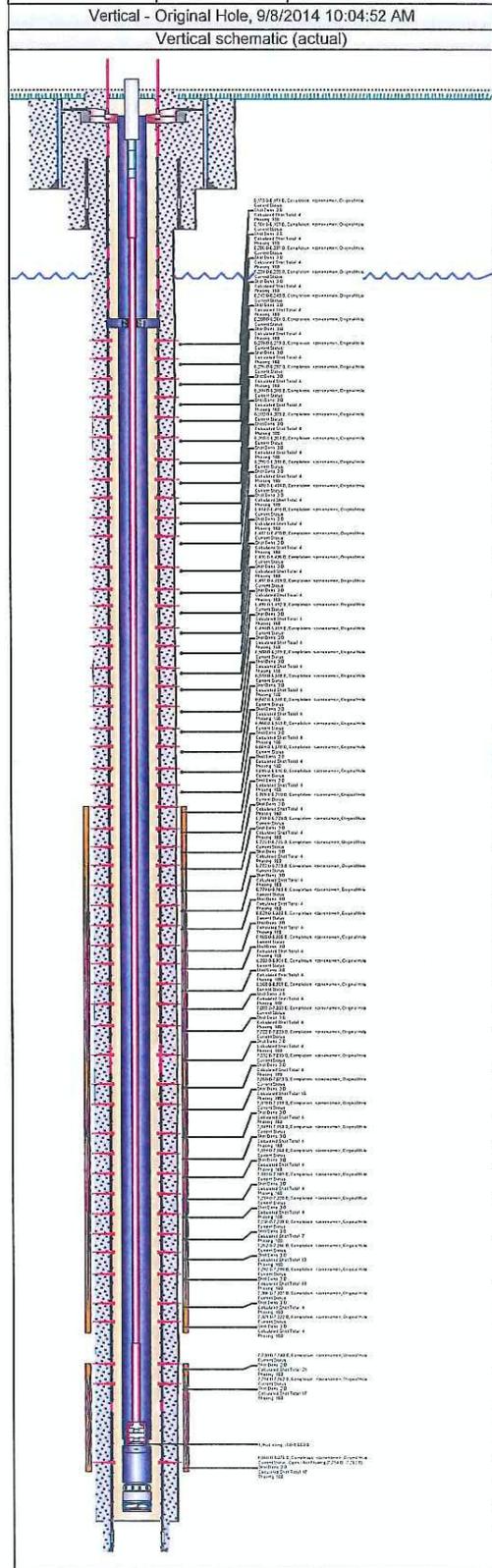


QEP Energy Company

Perforations

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Gr Elev (ft) 4,956.2	Current Elevation 4,978.80, SST 8 - KB 22.58	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00	Final Drig Rig Release 8/7/2014 18:00
			Total Depth (All) (ft, KB) Original Hole - 8,555.0		



Perforations					
Date	8/26/2014	Completion	<zonename>, Original Hole	Top Depth (ft, KB)	6,170.0
Perforation Company	Cutters WL Group	Conveyance Method		Gun Size (in)	3 1/8
Shot Density (shots/ft)	3.0	Charge Type		Phasing (°)	180
Orientation			Orientation Method		
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					
4					
Date	8/26/2014	Completion	<zonename>, Original Hole	Top Depth (ft, KB)	6,188.0
Perforation Company	Cutters WL Group	Conveyance Method		Gun Size (in)	3 1/8
Shot Density (shots/ft)	3.0	Charge Type		Phasing (°)	180
Orientation			Orientation Method		
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					
4					
Date	8/26/2014	Completion	<zonename>, Original Hole	Top Depth (ft, KB)	6,206.0
Perforation Company	Cutters WL Group	Conveyance Method		Gun Size (in)	3 1/8
Shot Density (shots/ft)	3.0	Charge Type		Phasing (°)	180
Orientation			Orientation Method		
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					
4					
Date	8/26/2014	Completion	<zonename>, Original Hole	Top Depth (ft, KB)	6,224.0
Perforation Company	Cutters WL Group	Conveyance Method		Gun Size (in)	3 1/8
Shot Density (shots/ft)	3.0	Charge Type		Phasing (°)	180
Orientation			Orientation Method		
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					
4					

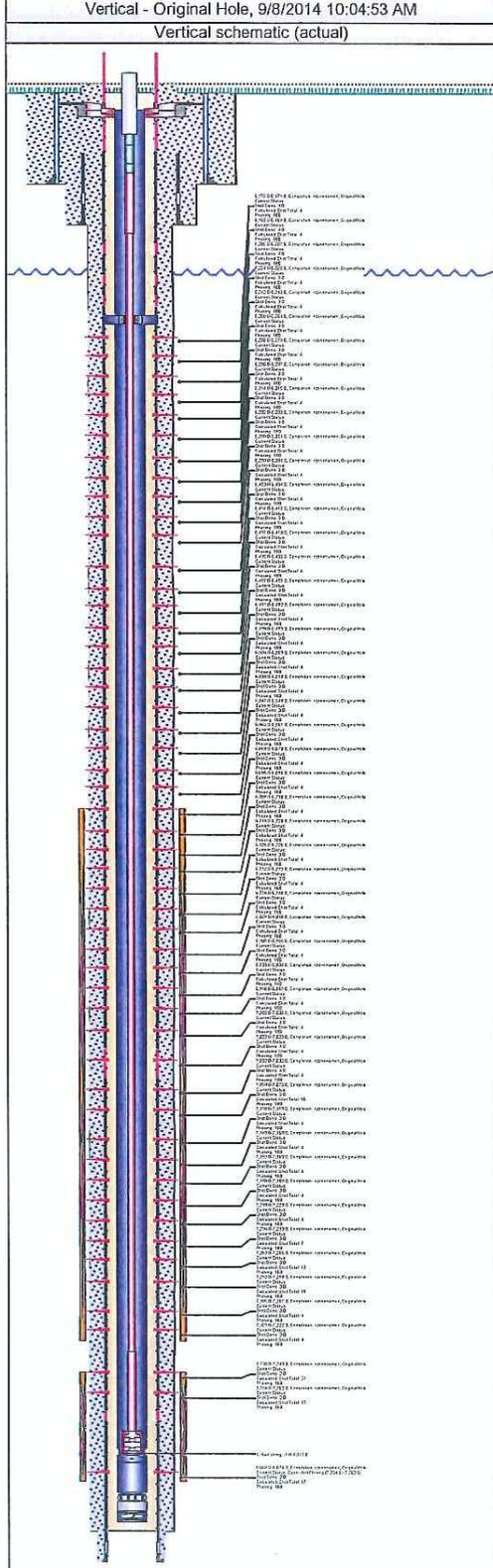


QEP Energy Company

Perforations

Well Name: **OP 7G-11-7-20**

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Gr Elev (ft) 4,956.2	Current Elevation 4,978.80, SST 8 - KB 22.58	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00	Final Drig Rig Release 8/7/2014 18:00
Vertical - Original Hole, 9/8/2014 10:04:53 AM			Original Hole - 8,555.0		



Perforation Statuses					
Date	Status	Com			
8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB)	6,242.0		
		Bottom Depth (ft, KB)	6,243.0		
Perforation Company Cutters WL Group	Conveyance Method	Gun Size (in)	3 1/8		
Shot Density (shots/ft)	Charge Type	Phasing (°)		180	
Orientation		Orientation Method			
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					
4					
Perforation Statuses					
Date	Status	Com			
8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB)	6,260.0		
		Bottom Depth (ft, KB)	6,261.0		
Perforation Company Cutters WL Group	Conveyance Method	Gun Size (in)	3 1/8		
Shot Density (shots/ft)	Charge Type	Phasing (°)		180	
Orientation		Orientation Method			
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					
4					
Perforation Statuses					
Date	Status	Com			
8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB)	6,278.0		
		Bottom Depth (ft, KB)	6,279.0		
Perforation Company Cutters WL Group	Conveyance Method	Gun Size (in)	3 1/8		
Shot Density (shots/ft)	Charge Type	Phasing (°)		180	
Orientation		Orientation Method			
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					
4					
Perforation Statuses					
Date	Status	Com			
8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB)	6,296.0		
		Bottom Depth (ft, KB)	6,297.0		
Perforation Company Cutters WL Group	Conveyance Method	Gun Size (in)	3 1/8		
Shot Density (shots/ft)	Charge Type	Phasing (°)		180	
Orientation		Orientation Method			
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					
4					



QEP Energy Company

Perforations

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Gr Elev (ft) 4,956.2	Current Elevation 4,978.80, SST 8 - KB 22.58	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00	Final Drig Rig Release 8/7/2014 18:00
Vertical - Original Hole, 9/8/2014 10:04:53 AM			Original Hole - 8,555.0		

Vertical schematic (actual)		Perforation Statuses						
		Date	Status	Com				
		8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB) 6,314.0	Bottom Depth (ft, KB) 6,315.0			
		Perforation Company Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make			
		Shot Density (shots/ft) 3.0	Charge Type	Phasing (°) 180				
		Orientation		Orientation Method				
		Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)	
		Reference Log						
		Calculated Shot Total 4						
				8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB) 6,332.0	Bottom Depth (ft, KB) 6,333.0	
				Perforation Company Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make	
				Shot Density (shots/ft) 3.0	Charge Type	Phasing (°) 180		
Orientation				Orientation Method				
Over/Under Balanced	P Over/Under (psi)			FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)	
Reference Log								
Calculated Shot Total 4								
				8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB) 6,350.0	Bottom Depth (ft, KB) 6,351.0	
				Perforation Company Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make	
				Shot Density (shots/ft) 3.0	Charge Type	Phasing (°) 180		
		Orientation		Orientation Method				
		Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)	
		Reference Log						
		Calculated Shot Total 4						
				8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB) 6,390.0	Bottom Depth (ft, KB) 6,391.0	
				Perforation Company Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make	
				Shot Density (shots/ft) 3.0	Charge Type	Phasing (°) 180		
Orientation				Orientation Method				
Over/Under Balanced	P Over/Under (psi)			FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)	
Reference Log								
Calculated Shot Total 4								



QEP Energy Company

Perforations

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Gr Elev (ft) 4,956.2	Current Elevation 4,978.80, SST 8 - KB 22.58	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00	Final Drig Rig Release 8/7/2014 18:00
			Total Depth (All) (ft, KB) Original Hole - 8,555.0		

Vertical - Original Hole, 9/8/2014 10:04:53 AM		Perforation Statuses				
Vertical schematic (actual)		Date	Status	Com		
		8/26/2014	<zonenumber>, Original Hole	Top Depth (ft, KB) 6,403.0	Bottom Depth (ft, KB) 6,404.0	
		Perforation Company Cutters WL Group		Conveyance Method	Carrier Make	
		Shot Density (shots/ft)		Gun Size (in) 3 1/8		
		3.0	Charge Type	Phasing (°) 180		
		Orientation		Orientation Method		
		Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi) P Final Surf (psi)
		Reference Log				
		Calculated Shot Total 4				
			8/26/2014	<zonenumber>, Original Hole	Top Depth (ft, KB) 6,414.0	Bottom Depth (ft, KB) 6,415.0
		Perforation Company Cutters WL Group		Conveyance Method	Gun Size (in) 3 1/8	Carrier Make
	Shot Density (shots/ft)		Charge Type	Phasing (°) 180		
	3.0	Orientation		Orientation Method		
	Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi) P Final Surf (psi)	
	Reference Log					
	Calculated Shot Total 4					
		8/26/2014	<zonenumber>, Original Hole	Top Depth (ft, KB) 6,417.0	Bottom Depth (ft, KB) 6,418.0	
	Perforation Company Cutters WL Group		Conveyance Method	Gun Size (in) 3 1/8	Carrier Make	
	Shot Density (shots/ft)		Charge Type	Phasing (°) 180		
	3.0	Orientation		Orientation Method		
	Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi) P Final Surf (psi)	
	Reference Log					
	Calculated Shot Total 4					
		8/26/2014	<zonenumber>, Original Hole	Top Depth (ft, KB) 6,435.0	Bottom Depth (ft, KB) 6,436.0	
	Perforation Company Cutters WL Group		Conveyance Method	Gun Size (in) 3 1/8	Carrier Make	
	Shot Density (shots/ft)		Charge Type	Phasing (°) 180		
	3.0	Orientation		Orientation Method		
	Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi) P Final Surf (psi)	
	Reference Log					
	Calculated Shot Total 4					



QEP Energy Company

Perforations

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Gr Elev (ft) 4,956.2	Current Elevation 4,978.80, SST 8 - KB 22.58	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00	Final Drig Rig Release 8/7/2014 18:00
			Total Depth (All) (ft, KB) Original Hole - 8,555.0		

Vertical - Original Hole, 9/8/2014 10:04:53 AM		Perforation Statuses				
Vertical schematic (actual)		Date	Status	Com		
	Date	8/26/2014	Completion <zonename>, Original Hole	Top Depth (ft, KB) 6,457.0	Bottom Depth (ft, KB) 6,458.0	
	Perforation Company	Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make	
	Shot Density (shots/ft)	3.0	Charge Type	Phasing (*) 180		
	Orientation	Orientation Method				
	Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
	Reference Log					
	Calculated Shot Total 4					
			Date	Status	Com	
	Date	8/26/2014	Completion <zonename>, Original Hole	Top Depth (ft, KB) 6,491.0	Bottom Depth (ft, KB) 6,492.0	
	Perforation Company	Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make	
Shot Density (shots/ft)	3.0	Charge Type	Phasing (*) 180			
Orientation	Orientation Method					
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)	
Reference Log						
Calculated Shot Total 4						
		Date	Status	Com		
Date	8/26/2014	Completion <zonename>, Original Hole	Top Depth (ft, KB) 6,498.0	Bottom Depth (ft, KB) 6,499.0		
Perforation Company	Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make		
Shot Density (shots/ft)	3.0	Charge Type	Phasing (*) 180			
Orientation	Orientation Method					
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)	
Reference Log						
Calculated Shot Total 4						
		Date	Status	Com		
Date	8/26/2014	Completion <zonename>, Original Hole	Top Depth (ft, KB) 6,508.0	Bottom Depth (ft, KB) 6,509.0		
Perforation Company	Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make		
Shot Density (shots/ft)	3.0	Charge Type	Phasing (*) 180			
Orientation	Orientation Method					
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)	
Reference Log						
Calculated Shot Total 4						



QEP Energy Company

Perforations

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Gr Elev (ft) 4,956.2	Current Elevation 4,978.80, SST 8 - KB 22.58	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00	Final Drig Rig Release 8/7/2014 18:00
			Total Depth (All) (ft, KB) Original Hole - 8,555.0		

Vertical - Original Hole, 9/8/2014 10:04:53 AM		Perforation Statuses				
Vertical schematic (actual)		Date	Status	Com		
		8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB) 6,518.0	Bottom Depth (ft, KB) 6,519.0	
		Perforation Company Cutters WL Group		Conveyance Method	Carrier Make	
		Shot Density (shots/ft)		Charge Type 3.0	Phasing (°) 180	
		Orientation		Orientation Method		
		Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	
				P Surf Init (psi)	P Final Surf (psi)	
		Reference Log				
		Calculated Shot Total 4				
			8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB) 6,547.0	Bottom Depth (ft, KB) 6,548.0
		Perforation Company Cutters WL Group		Conveyance Method	Carrier Make	
	Shot Density (shots/ft)		Charge Type 3.0	Phasing (°) 180		
	Orientation		Orientation Method			
	Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)		
			P Surf Init (psi)	P Final Surf (psi)		
	Reference Log					
	Calculated Shot Total 4					
		8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB) 6,560.0	Bottom Depth (ft, KB) 6,561.0	
	Perforation Company Cutters WL Group		Conveyance Method	Carrier Make		
	Shot Density (shots/ft)		Charge Type 3.0	Phasing (°) 180		
	Orientation		Orientation Method			
	Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)		
			P Surf Init (psi)	P Final Surf (psi)		
	Reference Log					
	Calculated Shot Total 4					
		8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB) 6,669.0	Bottom Depth (ft, KB) 6,670.0	
	Perforation Company Cutters WL Group		Conveyance Method	Carrier Make		
	Shot Density (shots/ft)		Charge Type 3.0	Phasing (°) 180		
	Orientation		Orientation Method			
	Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)		
			P Surf Init (psi)	P Final Surf (psi)		
	Reference Log					
	Calculated Shot Total 4					



QEP Energy Company

Perforations

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Gr Elev (ft) 4,956.2	Current Elevation 4,978.80, SST 8 - KB 22.58	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00	Final Drig Rig Release 8/7/2014 18:00
Total Depth (All) (ft, KB) Original Hole - 8,555.0					

Vertical - Original Hole, 9/8/2014 10:04:53 AM		Perforation Statuses				
Vertical schematic (actual)		Date	Status	Com		
	Date	8/26/2014	Completion <zonename>, Original Hole	Top Depth (ft, KB) 6,695.0	Bottom Depth (ft, KB) 6,696.0	
	Perforation Company	Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make	
	Shot Density (shots/ft)	3.0	Charge Type	Phasing (°) 180		
	Orientation		Orientation Method			
	Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
	Reference Log					
	Calculated Shot Total 4					
	Perforation Statuses					
			Date	Status	Com	
	Date	8/26/2014	Completion <zonename>, Original Hole	Top Depth (ft, KB) 6,709.0	Bottom Depth (ft, KB) 6,710.0	
Perforation Company	Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make		
Shot Density (shots/ft)	3.0	Charge Type	Phasing (°) 180			
Orientation		Orientation Method				
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)	
Reference Log						
Calculated Shot Total 4						
Perforation Statuses						
		Date	Status	Com		
Date	8/26/2014	Completion <zonename>, Original Hole	Top Depth (ft, KB) 6,719.0	Bottom Depth (ft, KB) 6,720.0		
Perforation Company	Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make		
Shot Density (shots/ft)	3.0	Charge Type	Phasing (°) 180			
Orientation		Orientation Method				
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)	
Reference Log						
Calculated Shot Total 4						
Perforation Statuses						
		Date	Status	Com		
Date	8/26/2014	Completion <zonename>, Original Hole	Top Depth (ft, KB) 6,725.0	Bottom Depth (ft, KB) 6,726.0		
Perforation Company	Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make		
Shot Density (shots/ft)	3.0	Charge Type	Phasing (°) 180			
Orientation		Orientation Method				
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)	
Reference Log						
Calculated Shot Total 4						

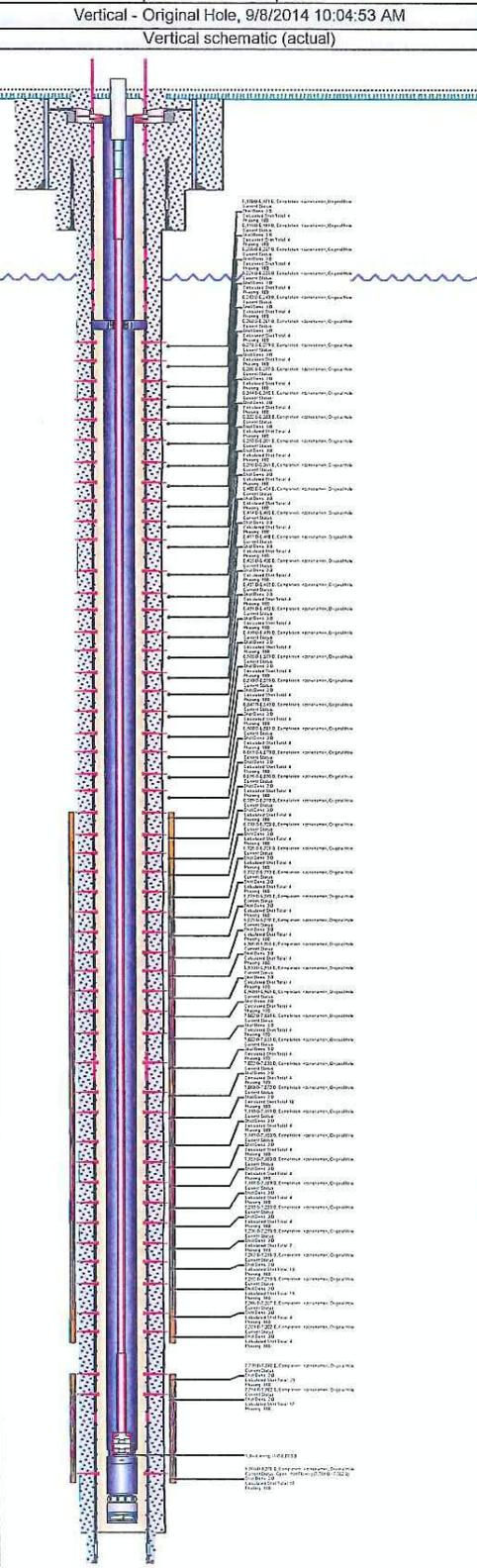


GEP Energy Company

Perforations

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Gr Elev (ft) 4,956.2	Current Elevation 4,978.80, SST 8 - KB 22.58	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00	Final Drig Rig Release 8/7/2014 18:00
			Total Depth (All) (ft, KB) Original Hole - 8,555.0		



Perforation Statuses					
Date	Status	Com			
8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB)	6,772.0		Bottom Depth (ft, KB)
Perforation Company Cutters WL Group		Conveyance Method	Gun Size (in)	3 1/8	
Shot Density (shots/ft)		Charge Type	Phasing (*)		
3.0		180			
Orientation		Orientation Method			
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					
4					
Perforation Statuses					
Date	Status	Com			
8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB)	6,779.0		Bottom Depth (ft, KB)
Perforation Company Cutters WL Group		Conveyance Method	Gun Size (in)	3 1/8	
Shot Density (shots/ft)		Charge Type	Phasing (*)		
3.0		180			
Orientation		Orientation Method			
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					
4					
Perforation Statuses					
Date	Status	Com			
8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB)	6,829.0		Bottom Depth (ft, KB)
Perforation Company Cutters WL Group		Conveyance Method	Gun Size (in)	3 1/8	
Shot Density (shots/ft)		Charge Type	Phasing (*)		
3.0		180			
Orientation		Orientation Method			
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					
4					
Perforation Statuses					
Date	Status	Com			
8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB)	6,905.0		Bottom Depth (ft, KB)
Perforation Company Cutters WL Group		Conveyance Method	Gun Size (in)	3 1/8	
Shot Density (shots/ft)		Charge Type	Phasing (*)		
3.0		180			
Orientation		Orientation Method			
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					
4					



QEP Energy Company

Perforations

Well Name: OP 7G-11-7-20

API 43-047-51504		Surface Legal Location S11-T7S-R20E		Field Name BRENNAN BOTTOM		County UINTAH		State UTAH		Well Configuration Type Vertical							
Unique Well ID UT102942		Gr Elev (ft) 4,956.2		Current Elevation 4,978.80, SST 8 - KB 22.58		KB to CF (ft) 22.60		Spud Date 6/11/2014 06:00		Final Drig Rig Release 8/7/2014 18:00							
Vertical - Original Hole, 9/8/2014 10:04:54 AM						Perforation Statuses											
Vertical schematic (actual)						Date 8/26/2014											
						Status		Com									
						Completion <zonename>, Original Hole		Top Depth (ft, KB) 6,933.0		Bottom Depth (ft, KB) 6,934.0							
						Perforation Company Cutters WL Group		Conveyance Method		Gun Size (in) 3 1/8		Carrier Make					
						Shot Density (shots/ft) 3.0		Charge Type		Phasing (°)		180					
						Orientation				Orientation Method							
						Over/Under Balanced		P Over/Under (psi)		FL MD Before (ft, KB)		FL MD After (ft, KB)		P Surf Init (psi)		P Final Surf (psi)	
						Reference Log						Calculated Shot Total 4					
						Perforation Statuses						Date 8/26/2014					
						Status		Com									
						Completion <zonename>, Original Hole		Top Depth (ft, KB) 6,968.0		Bottom Depth (ft, KB) 6,969.0							
Perforation Company Cutters WL Group		Conveyance Method		Gun Size (in) 3 1/8		Carrier Make											
Shot Density (shots/ft) 3.0		Charge Type		Phasing (°)		180											
Orientation				Orientation Method													
Over/Under Balanced		P Over/Under (psi)		FL MD Before (ft, KB)		FL MD After (ft, KB)		P Surf Init (psi)		P Final Surf (psi)							
Reference Log						Calculated Shot Total 4											
Perforation Statuses						Date 8/26/2014											
Status		Com															
Completion <zonename>, Original Hole		Top Depth (ft, KB) 7,002.0		Bottom Depth (ft, KB) 7,003.0													
Perforation Company Cutters WL Group		Conveyance Method		Gun Size (in) 3 1/8		Carrier Make											
Shot Density (shots/ft) 3.0		Charge Type		Phasing (°)		180											
Orientation				Orientation Method													
Over/Under Balanced		P Over/Under (psi)		FL MD Before (ft, KB)		FL MD After (ft, KB)		P Surf Init (psi)		P Final Surf (psi)							
Reference Log						Calculated Shot Total 4											
Perforation Statuses						Date 8/26/2014											
Status		Com															
Completion <zonename>, Original Hole		Top Depth (ft, KB) 7,022.0		Bottom Depth (ft, KB) 7,023.0													
Perforation Company Cutters WL Group		Conveyance Method		Gun Size (in) 3 1/8		Carrier Make											
Shot Density (shots/ft) 3.0		Charge Type		Phasing (°)		180											
Orientation				Orientation Method													
Over/Under Balanced		P Over/Under (psi)		FL MD Before (ft, KB)		FL MD After (ft, KB)		P Surf Init (psi)		P Final Surf (psi)							
Reference Log						Calculated Shot Total 4											



GEP Energy Company

Perforations

Well Name: OP 7G-11-7-20

API 43-047-51504		Surface Legal Location S11-T7S-R20E		Field Name BRENNAN BOTTOM		County UINTAH		State UTAH		Well Configuration Type Vertical							
Unique Well ID UT102942		Gr Elev (ft) 4,956.2		Current Elevation 4,978.80, SST 8 - KB 22.58		KB to CF (ft) 22.60		Spud Date 6/11/2014 06:00		Final Drig Rig Release 8/7/2014 18:00							
Vertical - Original Hole, 9/8/2014 10:04:54 AM						Perforation Statuses											
Vertical schematic (actual)						Date											
						Date		Status		Com							
						8/26/2014		<zonename>, Original Hole		Top Depth (ft, KB) 7,032.0		Bottom Depth (ft, KB) 7,033.0					
						Perforation Company Cutters WL Group		Conveyance Method		Gun Size (in) 3 1/8		Carrier Make					
						Shot Density (shots/ft) 3.0		Charge Type		Phasing (*)		180					
						Orientation				Orientation Method							
						Over/Under Balanced		P Over/Under (psi)		FL MD Before (ft, KB)		FL MD After (ft, KB)		P Surf Init (psi)		P Final Surf (psi)	
						Reference Log						Calculated Shot Total					
												4					
						Perforation Statuses						Date					
												Date		Status		Com	
						8/26/2014		<zonename>, Original Hole		Top Depth (ft, KB) 7,068.0		Bottom Depth (ft, KB) 7,073.0					
						Perforation Company Cutters WL Group		Conveyance Method		Gun Size (in) 3 1/8		Carrier Make					
						Shot Density (shots/ft) 3.0		Charge Type		Phasing (*)		180					
						Orientation				Orientation Method							
		Over/Under Balanced		P Over/Under (psi)		FL MD Before (ft, KB)		FL MD After (ft, KB)		P Surf Init (psi)		P Final Surf (psi)					
						Reference Log											
						Calculated Shot Total											
						16											
Perforation Statuses						Date											
						Date		Status		Com							
						8/26/2014		<zonename>, Original Hole		Top Depth (ft, KB) 7,118.0		Bottom Depth (ft, KB) 7,119.0					
						Perforation Company Cutters WL Group		Conveyance Method		Gun Size (in) 3 1/8		Carrier Make					
						Shot Density (shots/ft) 3.0		Charge Type		Phasing (*)		180					
						Orientation				Orientation Method							
		Over/Under Balanced		P Over/Under (psi)		FL MD Before (ft, KB)		FL MD After (ft, KB)		P Surf Init (psi)		P Final Surf (psi)					
						Reference Log											
						Calculated Shot Total											
						4											
Perforation Statuses						Date											
						Date		Status		Com							
						8/26/2014		<zonename>, Original Hole		Top Depth (ft, KB) 7,149.0		Bottom Depth (ft, KB) 7,150.0					
						Perforation Company Cutters WL Group		Conveyance Method		Gun Size (in) 3 1/8		Carrier Make					
						Shot Density (shots/ft) 3.0		Charge Type		Phasing (*)		180					
						Orientation				Orientation Method							
		Over/Under Balanced		P Over/Under (psi)		FL MD Before (ft, KB)		FL MD After (ft, KB)		P Surf Init (psi)		P Final Surf (psi)					
						Reference Log											
						Calculated Shot Total											
						4											



QEP Energy Company

Perforations

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Gr Elev (ft) 4,956.2	Current Elevation 4,978.80, SST 8 - KB 22.58	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00	Final Drtg Rig Release 8/7/2014 18:00
					Total Depth (All) (ft, KB) Original Hole - 8,555.0

Vertical - Original Hole, 9/8/2014 10:04:54 AM		Perforation Statuses			
Vertical schematic (actual)		Date	Status	Com	
		8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB) 7,262.0	Bottom Depth (ft, KB) 7,266.0
		Perforation Company Cutters WL Group		Conveyance Method	Carrier Make
		Shot Density (shots/ft)	Charge Type	Gun Size (in)	Phasing (*)
		3.0		3 1/8	180
		Orientation		Orientation Method	
		Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)
					P Surf Init (psi)
					P Final Surf (psi)
		Reference Log			
		Calculated Shot Total			
		8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB) 7,292.0	Bottom Depth (ft, KB) 7,298.0
	Perforation Company Cutters WL Group		Conveyance Method	Carrier Make	
	Shot Density (shots/ft)	Charge Type	Gun Size (in)	Phasing (*)	
	3.0		3 1/8	180	
	Orientation		Orientation Method		
	Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	
				P Surf Init (psi)	
				P Final Surf (psi)	
	Reference Log				
	Calculated Shot Total				13
		8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB) 7,306.0	Bottom Depth (ft, KB) 7,307.0
	Perforation Company Cutters WL Group		Conveyance Method	Carrier Make	
	Shot Density (shots/ft)	Charge Type	Gun Size (in)	Phasing (*)	
	3.0		3 1/8	180	
	Orientation		Orientation Method		
	Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	
				P Surf Init (psi)	
				P Final Surf (psi)	
	Reference Log				
	Calculated Shot Total				19
		8/26/2014	<zonename>, Original Hole	Top Depth (ft, KB) 7,321.0	Bottom Depth (ft, KB) 7,322.0
	Perforation Company Cutters WL Group		Conveyance Method	Carrier Make	
	Shot Density (shots/ft)	Charge Type	Gun Size (in)	Phasing (*)	
	3.0		3 1/8	180	
	Orientation		Orientation Method		
	Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	
				P Surf Init (psi)	
				P Final Surf (psi)	
	Reference Log				
	Calculated Shot Total				4



QEP Energy Company

Perforations

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Gr Elev (ft) 4,956.2	Current Elevation 4,978.80, SST 8 - KB 22.58	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00	Final Drtg Rig Release 8/7/2014 18:00
Total Depth (All) (ft, KB) Original Hole - 8,555.0					

Vertical - Original Hole, 9/8/2014 10:04:54 AM

Vertical schematic (actual)

Perforation Statuses					
Date	Status	Com			
8/22/2014	<zonename>, Original Hole	Top Depth (ft, KB) 7,730.0	Bottom Depth (ft, KB) 7,740.0		
Perforation Company Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make		
Shot Density (shots/ft) 2.0	Charge Type	Phasing (°)		180	
Orientation		Orientation Method			
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total 21					
Perforation Statuses					
Date	Status	Com			
8/22/2014	<zonename>, Original Hole	Top Depth (ft, KB) 7,754.0	Bottom Depth (ft, KB) 7,762.0		
Perforation Company Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make		
Shot Density (shots/ft) 2.0	Charge Type	Phasing (°)		180	
Orientation		Orientation Method			
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total 17					
Perforation Statuses					
Date	Status	Com			
8/22/2014	<zonename>, Original Hole	Top Depth (ft, KB) 8,068.0	Bottom Depth (ft, KB) 8,076.0		
Perforation Company Cutters WL Group	Conveyance Method	Gun Size (in) 3 1/8	Carrier Make		
Shot Density (shots/ft) 2.0	Charge Type	Phasing (°)		180	
Orientation		Orientation Method			
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total 17					
Perforation Statuses					
Date	Status	Com			
8/22/2014	Open - Not Flowing				
8/22/2014	Open - Not Flowing				
8/22/2014	Open - Not Flowing				



Frac Details

Contractor: Halliburton Energy Services

QEP Energy Company

Well Name: OP 7G-11-7-20

GENERAL			TECHNICAL RESULTS		
Date	8/26/2014	Type	Hydraulic Frac	Delivery Mode	Casing
Min Top Depth (ft, KB)	6,669.0	Max Btm Depth (ft, KB)	8,076.0	Completion Name	
PRESSURES			FRAC GEOMETRY		
Breakdown Pressure (psi)	P Pre SI (psi)	Frac Gradient (psi/ft)		Frac Length (ft)	
Min Treat Pressure (psi)	Max Treat Pressure (psi)	Avg Treat Pressure (psi)		Frac Width (ft)	Frac Height (ft)
Instant. Shut-in Pressure (psi)	P Post SI (psi)	Shut-in Time Final (hr)		COMMENTS	
RATES			Comment		
Min Treat Rate (bbl/min)	Max Treat Rate (bbl/min)	Avg Treat Rate (bbl/min)			
POWER			Fluid Additives		
Avg Pump Power (hp)	Max Pump Power (hp)	Max Pump Rating (hp)		Add	Amount
GAS			Units		
Gas Type	Total Gas Volume (MCF)		Conc (%)		
PROPPANTS					
Total Add Amount					
Proppant Bulk Sand 849700 lb					
Proppant Designed (lb)	Proppant In Formation (lb)	Proppant In Wellbore (lb)			
Max Additive BH Conc (lb/gal)	Max Additive Surf Conc (lb/gal)	Est Sand Top Depth (ft, KB)			
VOLUMES					
Total Clean Volume Pumped...	Vol Slurry Tot (bbl)	Total Volume Recovered (bbl)			
11624.00	12596.00				

Pumping Details													
Stg #	Stage Type	P Cas Start (psi)	P Tub Start (psi)	Q Fluid Init (bbl/min)	Gas Type	Q Gas (ft ³ /min)	Vol Clean Pump (bbl)	Cum Clean Vol Pumped (bbl)	Vol Slurry (bbl)	Vol Slurry Cum (bbl)	Foam Quality (%)	Stim/Treat Fluid	Com
1		25.0		12			1107.00	1107.00	1245.00	1245.00		Delta 140, Fresh Water	Frac Stage 1 (7,730' - 8,076') with 1,107 BBLS Slickwater and 20# Delta 140 carrying 55,800 LBS 20/40 Mesh sand and 15,000 LBS sandwedge coated 20/40 Mesh sand. Open well up with 25 psi. Break down perfs @ 2,438 psi. AVG. Rate = 42.1 BPM and AVG. pressure = 2,556 psi. ISIP = 2,200 psi. FG= 0.72 psi/ft.
2		1,253.0		10			1093.00	2200.00	1170.00	2415.00		Delta 140, Fresh Water	Frac Stage 2 (7,262' - 7,322') with 1,094 BBLS Slickwater and 20# Delta 140 carrying 56,300 LBS 20/40 Mesh sand and 14,300 LBS sandwedge coated 20/40 Mesh sand. Open well up with 1,253 psi. Break down perfs @ 4,158 psi. AVG. Rate = 56.3 BPM and AVG. pressure = 4,210 psi. ISIP = 2,769 psi. FG = 0.81 psi/ft.
3		1,671.0		10			1079.00	3279.00	1155.00	3570.00		Delta 140, Fresh Water	Frac Stage 3 (7,068' - 7,238') with 1,079 BBLS Slickwater and 20# Delta 140 carrying 56,000 LBS 20/40 Mesh sand and 14,200 LBS sandwedge coated 20/40 Mesh sand. Open well up with 1,671 psi. Break down perfs at 2,476 psi. AVG. Rate = 55.1 BPM and AVG. pressure = 3,086 psi. ISIP = 2,249 PSI. FG = 0.75 psi/ft.



Frac Details

Contractor: Halliburton Energy Services

QEP Energy Company

Well Name: OP 7G-11-7-20

Pumping Details													
Stg #	Stage Type	P Cas Start (psi)	P Tub Start (psi)	Q Fluid Init (bbl/min)	Gas Type	Q Gas (ft ³ /min)	Vol Clean Pump (bbl)	Cum Clean Vol Pumpe (bbl)	Vol Slurry (bbl)	Vol Slurry Cum (bbl)	Foam Quality (%)	Stim/Treat Fluid	Com
4		1,330.0		4			3565 .00	6844 .00	3858 .00	7428 .00		Delta 140, Fresh Water	Frac Stage 4 (6,669' – 7,033') with 3,565 BBLs Slickwater and 20# Delta 140 carrying 223,810 LBS 20/40 Mesh sand and 55,987 LBS sandwedge coated 20/40 Mesh sand. Open well up with 1,330 psi. Break down perfs at 2,476 psi. AVG. Rate = 55.9 BPM and AVG. pressure = 2,511 psi. ISIP = 1,864 PSI. FG = 0.72 psi/ft.
5		1,255.0		11			2134 .00	8978 .00	2309 .00	9737 .00		Delta 140, Fresh Water	Frac Stage 5 (6,390' – 6,561') with 2,134 BBLs Slickwater and 20# Delta 140 carrying 127,700 LBS 20/40 Mesh sand and 32,000 LBS sandwedge coated 20/40 Mesh sand. Open well up with 1,196 psi. Break down perfs at 2,617 psi. AVG. Rate = 56.5 BPM and AVG. pressure = 2,342 psi. ISIP = 1,428 psi. FG = 0.65 psi/ft.
6		1,458.0		7			2646 .00	1162 4.00	2859 .00	1259 6.00		Delta 140, Fresh Water	Frac Stage 6 (6,170' – 6,351') with 2,646 BBLs Slickwater and 20# Delta 140 carrying 159,838 LBS 20/40 Mesh sand and 39,065 LBS sandwedge coated 20/40 Mesh sand. Open well up with 917 psi. Break down perfs at 1,458 psi @ 9.7 bpm. AVG. Rate = 56.6 BPM and AVG. pressure = 2,178 psi. ISIP = 1,534 psi. FG = 0.68 psi/ft.



QEP Energy Casing

SURFACE

QEP Energy Company

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Ground Elevation (ft) 4,956.2	Casing Flange Elevation (ft) 4,956.20	Current KB to GL (ft) 22.60	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00
					Final Drig Rig Release 8/7/2014 18:00

Wellbore

Wellbore Name Original Hole	Sidetrack Start Depth (ft, KB)
--------------------------------	--------------------------------

Section Des	Size (in)	Act Top (ft, KB)	Act Btm (ft, KB)	Start Date	End Date
CONDUCTOR	20	22.6	112.6	6/11/2014	6/11/2014
SURFACE	12 1/4	112.6	1,615.0	7/27/2014	7/28/2014

Casing

Casing Description SURFACE	Set Depth (ft, KB) 1,615.0	Run Date 7/28/2014	Set Tension (kips)
-------------------------------	-------------------------------	-----------------------	--------------------

Centralizers 4	Scratchers
-------------------	------------

Casing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ft, KB)	Btm (ft, KB)	Mk-up Tq (ft-lb)	Class	Max OD (in)	ID (in)
Casing Joints	9 5/8	36.00	J-55	LT&C	38	1,575.29	-4.9	1,570.4				8.921
Float Collar	9 5/8	36.00	J-55	LT&C	1	1.50	1,570.4	1,571.9				8.921
Casing Joints	9 5/8	36.00	J-55	LT&C	1	41.23	1,571.9	1,613.1				8.921
Guide Shoe	9 5/8	36.00	J-55	LT&C	1	1.87	1,613.1	1,615.0				8.921



QEP Energy Company

QEP Energy Cement

SURFACE CASING CEMENT

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Ground Elevation (ft) 4,956.2	Casing Flange Elevation (ft) 4,956.20	Current KB to GL (ft) 22.60	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00
Final Drig Rig Release 8/7/2014 18:00					

SURFACE CASING CEMENT, Casing, 7/28/2014 23:00

Type Casing	Cementing Start Date 7/28/2014	Cementing End Date 7/29/2014	Wellbore Original Hole	String SURFACE, 1,615.0ft, KB	OD (in) 9 5/8
Cementing Company Halliburton Energy Services	Evaluation Method	Cement Evaluation Results CEMENT TO SURFACE, 88 BBLs TO THE PIT			

Comment
CEMENT JOB WENT WELL

1, 22.6-1,615.0ft, KB

Top Depth (ft, KB) 22.6	Bottom Depth (ft, KB) 1,615.0	Full Return? No	Top Plug? Yes	Bottom Plug? No
Initial Pump Rate (bbl/min) 5	Final Pump Rate (bbl/min) 5	Avg Pump Rate (bbl/min) 5	Final Pump Pressure (psi) 550.0	Plug Bump Pressure (psi) 1,127.0
Pipe Reciprocated? No	Reciprocation Stroke Length (ft)	Reciprocation Rate (spm)	Pipe Rotated? No	Pipe RPM (rpm)
Tagged Depth (ft, KB)	Tag Method	Depth Plug Drilled Out To (ft, KB)	Drill Out Diameter (in)	Drill Out Date
Cement Volume Return (bbl) 0.0	Volume Lost (bbl)	Volume Squeezed in to Formation (bbl)		

LEAD

Fluid Type LEAD	Fluid Description	Amount (sacks) 315	Class VARICEM R1	Objective Cement Surface
Estimated Top (ft, KB) 22.6	Estimated Bottom Depth (ft, KB) 550.0	Percent Excess Pumped (%) 150.0	Yield (ft ³ /sack) 2.74	Mix H2O Ratio (gal/sack) 16.75
Free Water (%)	Density (lb/gal) 11.50	Volume Pumped (bbl) 153.0	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc	Conc Unit	Amount Units

TAIL

Fluid Type TAIL	Fluid Description	Amount (sacks) 250	Class VARICEM R1	Objective Cement Surface
Estimated Top (ft, KB) 550.0	Estimated Bottom Depth (ft, KB) 1,615.0	Percent Excess Pumped (%) 150.0	Yield (ft ³ /sack) 1.68	Mix H2O Ratio (gal/sack) 8.80
Free Water (%)	Density (lb/gal) 13.50	Volume Pumped (bbl) 74.0	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc	Conc Unit	Amount Units

Leak Off and Formation Integrity Tests

Mud Data

Date	Type	Density (lb/gal)	Vis (s/qt)	PV Override (cP)	YP OR (lb/100ft ²)	Gel (10s) (lb/100...)	Gel (10m) (lb/100...)



QEP Energy Company

QEP Energy Casing

PRODUCTION

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Ground Elevation (ft) 4,956.2	Casing Flange Elevation (ft) 4,956.20	Current KB to GL (ft) 22.60	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00
					Final Drig Rig Release 8/7/2014 18:00

Wellbore

Wellbore Name Original Hole	Sidetrack Start Depth (ft, KB)
--------------------------------	--------------------------------

Section Des	Size (in)	Act Top (ft, KB)	Act Btm (ft, KB)	Start Date	End Date
CONDUCTOR	20	22.6	112.6	6/11/2014	6/11/2014
SURFACE	12 1/4	112.6	1,615.0	7/27/2014	7/28/2014
INTERMEDIATE	7 7/8	1,615.0	8,555.0	7/29/2014	8/6/2014

Casing

Casing Description PRODUCTION	Set Depth (ft, KB) 8,841.0	Run Date 8/7/2014	Set Tension (kips)
----------------------------------	-------------------------------	----------------------	--------------------

Centralizers 10	Scratchers
--------------------	------------

Casing Components

Item Des	OD (in)	Wt (lb/ft)	Grade	Top Thread	Jts	Len (ft)	Top (ft, KB)	Btm (ft, KB)	Mk-up Tq (ft·lb)	Class	Max OD (in)	ID (in)
Landing Joint	5 1/2	17.00	P-110		1	30.77	-6.9	23.8				4.892
Casing Hanger	5 1/2	17.00	P-110		1	0.65	23.8	24.5				4.892
Pup Joint	5 1/2	17.00	P-110		1	2.90	24.5	27.4				4.892
Casing Joints	5 1/2	17.00	P-110		95	3,977.37	27.4	4,004.8				4.892
Marker Joint	5 1/2	17.00	P-110		1	19.70	4,004.8	4,024.5				4.892
Casing Joints	5 1/2	17.00	P-110		23	961.86	4,024.5	4,986.3				4.892
Marker Joint	5 1/2	17.00	P-110		1	19.59	4,986.3	5,005.9				4.892
Casing Joints	5 1/2	17.00	P-110		24	1,008.48	5,005.9	6,014.4				4.892
Marker Joint	5 1/2	17.00	P-110		1	19.77	6,014.4	6,034.2				4.892
Casing Joints	5 1/2	17.00	P-110		23	969.99	6,034.2	7,004.2				4.892
Marker Joint	5 1/2	17.00	P-110		1	20.65	7,004.2	7,024.8				4.892
Casing Joints	5 1/2	17.00	P-110		23	959.63	7,024.8	7,984.4				4.892
Marker Joint	5 1/2	17.00	P-110		1	20.43	7,984.4	8,004.9				4.892
Casing Joints	5 1/2	17.00	P-110		20	832.80	8,004.9	8,837.7				4.892
Float Collar	5 1/2	17.00	P-110		1	1.23	8,837.7	8,838.9				4.892
Float Shoe	5 1/2	17.00	P-110		1	2.10	8,838.9	8,841.0				4.892



QEP Energy Company

QEP Energy Cement

PRODUCTION CASING CEMENT

Well Name: OP 7G-11-7-20

API 43-047-51504	Surface Legal Location S11-T7S-R20E	Field Name BRENNAN BOTTOM	County UINTAH	State UTAH	Well Configuration Type Vertical
Unique Well ID UT102942	Ground Elevation (ft) 4,956.2	Casing Flange Elevation (ft) 4,956.20	Current KB to GL (ft) 22.60	KB to CF (ft) 22.60	Spud Date 6/11/2014 06:00
					Final Drig Rig Release 8/7/2014 18:00

PRODUCTION CASING CEMENT, Casing, 8/7/2014 08:30

Type Casing	Cementing Start Date 8/7/2014	Cementing End Date 8/7/2014	Wellbore Original Hole	String PRODUCTION, 8,841.0ft, KB	OD (in) 5 1/2
Cementing Company Halliburton Energy Services	Evaluation Method	Cement Evaluation Results NO CEMENT TO SURFACE			

Comment
LOST RETURNS 150 BBL INTO DISPLACEMENT.

1, 0.0-8,841.0ft, KB

Top Depth (ft, KB) 0.0	Bottom Depth (ft, KB) 8,841.0	Full Return? No	Top Plug? Yes	Bottom Plug? No
Initial Pump Rate (bbl/min) 5	Final Pump Rate (bbl/min) 2	Avg Pump Rate (bbl/min) 5	Final Pump Pressure (psi) 2,070.0	Plug Bump Pressure (psi) 2,640.0
Pipe Reciprocated? No	Reciprocation Stroke Length (ft)	Reciprocation Rate (spm)	Pipe Rotated? No	Pipe RPM (rpm)
Tagged Depth (ft, KB)	Tag Method	Depth Plug Drilled Out To (ft, KB)	Drill Out Diameter (in)	Drill Out Date
Cement Volume Return (bbl) 55.0	Volume Lost (bbl) 100.0	Volume Squeezed in to Formation (bbl)		

LEAD

Fluid Type LEAD	Fluid Description	Amount (sacks) 825	Class ECONOCEM	Objective Cement Production
Estimated Top (ft, KB) 1,000.0	Estimated Bottom Depth (ft, KB) 5,000.0	Percent Excess Pumped (%) 0.0	Yield (ft ³ /sack) 2.51	Mix H2O Ratio (gal/sack) 14.02
Free Water (%)	Density (lb/gal) 11.50	Volume Pumped (bbl) 369.0	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc	Conc Unit	Amount Units

TAIL

Fluid Type TAIL	Fluid Description	Amount (sacks) 1,125	Class EXPANDACEM	Objective Cement Production
Estimated Top (ft, KB) 5,000.0	Estimated Bottom Depth (ft, KB) 8,841.0	Percent Excess Pumped (%) 0.0	Yield (ft ³ /sack) 1.49	Mix H2O Ratio (gal/sack) 6.90
Free Water (%)	Density (lb/gal) 13.50	Volume Pumped (bbl) 298.0	Thickening Time (hr)	1st Compressive Strength (psi)

Cement Fluid Additives

Add	Type	Conc	Conc Unit	Amount Units
GRANULITE				lbm
HR-5				%
POLY-E-FLAKE				lbm

Leak Off and Formation Integrity Tests

Mud Data

Date	Type	Density (lb/gal)	Vis (s/qt)	PV Override (cP)	YP OR (lb/100ft ²)	Gel (10s) (lb/100...)	Gel (10m) (lb/100...)
------	------	------------------	------------	------------------	--------------------------------	-----------------------	-----------------------