

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 RW 42-25AGR					
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 RED WASH					
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME RED WASH					
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@qepres.com					
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU0561			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>					
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')					
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')					
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP		RANGE	MERIDIAN		
LOCATION AT SURFACE		1784 FNL 627 FEL		SENE	25	7.0 S		22.0 E	S		
Top of Uppermost Producing Zone		1784 FNL 627 FEL		SENE	25	7.0 S		22.0 E	S		
At Total Depth		1784 FNL 627 FEL		SENE	25	7.0 S		22.0 E	S		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 627			23. NUMBER OF ACRES IN DRILLING UNIT 40					
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1000			26. PROPOSED DEPTH MD: 6296 TVD: 6296			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 49-251/49-2153					
27. ELEVATION - GROUND LEVEL 5520			28. BOND NUMBER ESB000024								
Hole, Casing, and Cement Information											
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight
Surf	12.25	8.625	0 - 4063	32.0	Unknown	0.0	Halliburton Light , Type Unknown		568	2.89	11.0
							Halliburton Premium , Type Unknown		149	1.49	13.5
Prod	7.875	5.5	0 - 6296	17.0	N-80 LT&C	9.5	Halliburton Light , Type Unknown		281	2.95	11.0
							Halliburton Premium , Type Unknown		253	1.48	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 03/11/2013			EMAIL jan.nelson@qepres.com				
API NUMBER ASSIGNED 43047536820000				APPROVAL			 Permit Manager				

QEP Energy Company

RW 42-25AGR New Vertical Well Summarized Procedure

1. MIRU.
2. Drill 12 ¼" surface hole to 200', then drill 11" to 4,063'.
3. Run 8 5/8", 32#, HCK-55, LTC 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, drill out surface casing and 10' of new formation, run FIT.
6. Drill 7 7/8" hole to 6,296'.
7. TOOH, MIRU Loggers.
8. Log from surface casing to TD.
9. RDMO Loggers.
10. TIH, Circulate.
11. TOOH & LDDP.
12. PU and run 5 1/2", 17.0#, N-80, LTC casing to TD, cement casing.
13. ND BOP's.
14. RDMOL.

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ONSHORE OIL & GAS ORDER NO. 1
 QEP Energy Company
 RW 42-25AGR

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>
Duchesne	Surface
Green River	3,098'
Bird's Nest	3,469'
Mahogany Bench	4,013'
TD	6,296'

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	5,796'

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

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QEP Energy Company
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DRILLING PROGRAM

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. 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.

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4. Casing Design:

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.	MW
17-1/2"	14"	sfc	90'	Steel	Cond.	None	Used	Air
12-1/4" to 200'/11" to Surface TD	8-5/8"	sfc	4,063'	32.0	HCK-55	LTC	New	Air
7-7/8"	5-1/2"	sfc	6,296'	17.0	N-80	LTC	New	8-9.5 ppg

Casing Strengths:				Collapse	Burst	Tensile (min)
8-5/8"	32.0 lb.	HCK-55	LTC	3,740 psi	3,930 psi	452,000 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 – 4,063' (MD)

Lead Slurry: 0' – 3,563'. 568 sks (1,641 cu ft) ECONOCEM V4 + 3.0 lb/sk Kol-Seal. Slurry wt: 11.0 ppg, Slurry yield: 2.89 ft³/sk, Slurry volume: 12-1/4" to 200', 11" to Surface TD and hole + 75% excess.

Tail Slurry: 3,563' – 4,063'. 149 sks (222 cu ft) EXPANDACEM V3 + 0.2% HR-800 + 1.0 lb/sk Granulite TR 1/4 + 0.13 lb/sk Poly-E-Flake. Slurry wt: 13.5 ppg, Slurry yield: 1.49 ft³/sk, Slurry volume: 11" to TD and hole + 75% excess.

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5-1/2" Production Casing: sfc – 6,296' (MD)

Lead Slurry: 0' – 4,569'. 281 sks (830 cu ft) Extendacem cement + 3.0 lb/sk Kol-Seal. Slurry wt: 11.0 ppg, Slurry yield: 2.95 ft³/sk, Slurry volume: 7-7/8" hole + 25% excess in open hole section.

Tail Slurry: 4,569' – 6,296'. 253 sks (374 cu ft) BONDCEM V1 + 0.2% HR-5 + 3.0 b/sk Kol-Seal + 0.125 lb/sk Poly-E-Flake. Slurry wt: 13.5 ppg, Slurry yield: 1.48 ft³/sk, Slurry volume: 7-7/8" hole + 25% excess.

*Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to the surface on the production string. 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.

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 50' into the Mahogany Bench formation 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. **Blooie line discharge 100 feet from wellbore and securely anchored** – the blooie 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.

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3. **Automatic igniter or continuous pilot light on blooie 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 blooie line a minimum of 100 feet from the wellbore** – compressors located within 50 feet on the opposite side of the wellbore from the blooie 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.
 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.
- 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.

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

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- C. Logging – Mud logging –Surf Casing to TD
GR-SP-Induction, Neutron Density

- 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

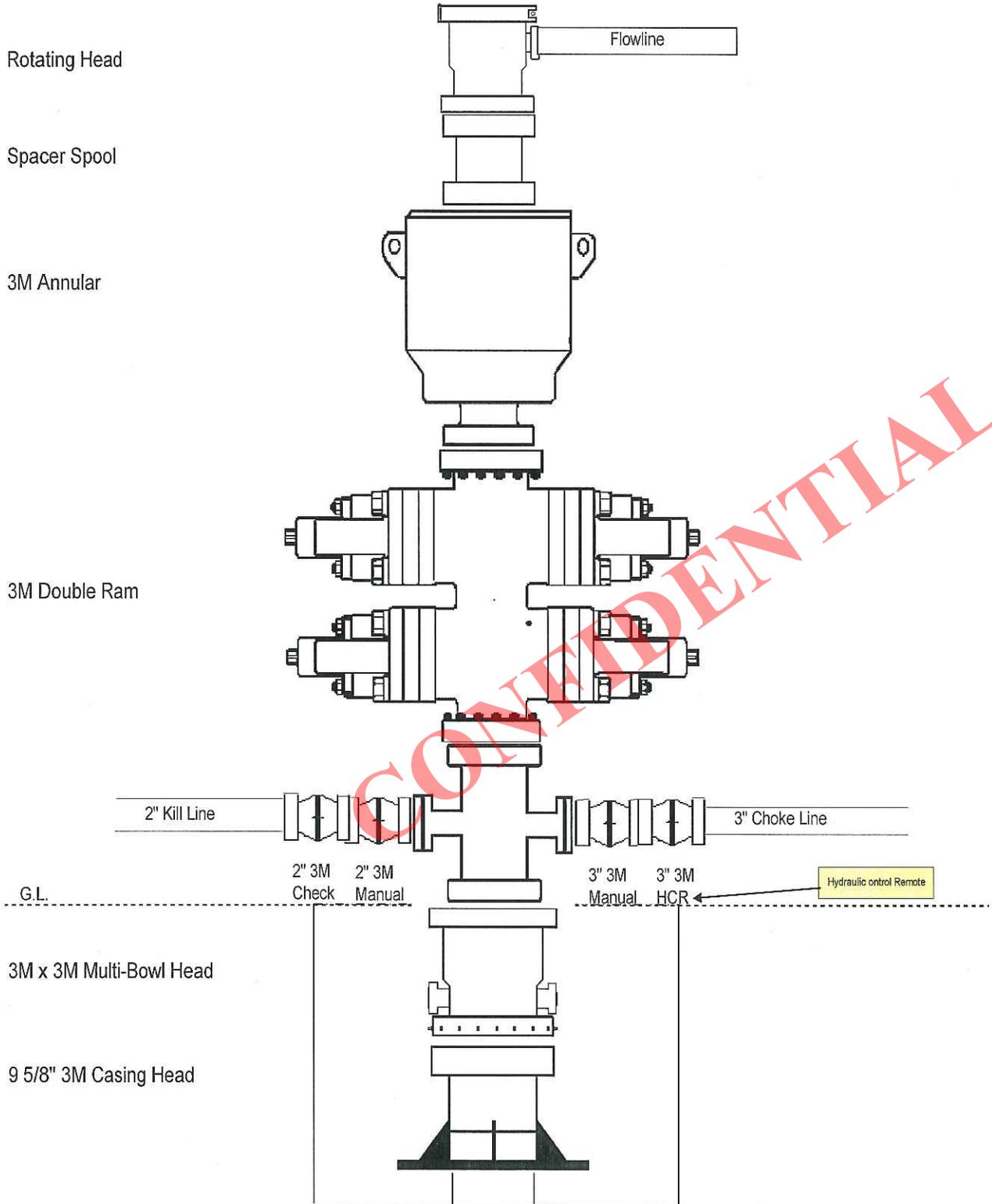
No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 2,300 psi. Maximum anticipated bottom hole temperature is 120° F.

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ONSHORE OIL & GAS ORDER NO. 1
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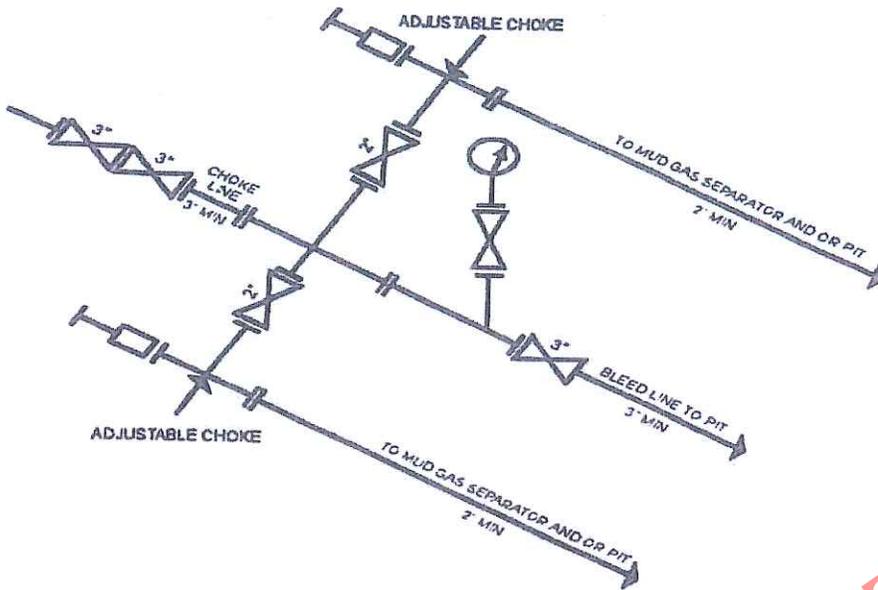
DRILLING PROGRAM

3M BOP STACK



ONSHORE OIL & GAS ORDER NO. 1
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RW 42-25AGR

DRILLING PROGRAM



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

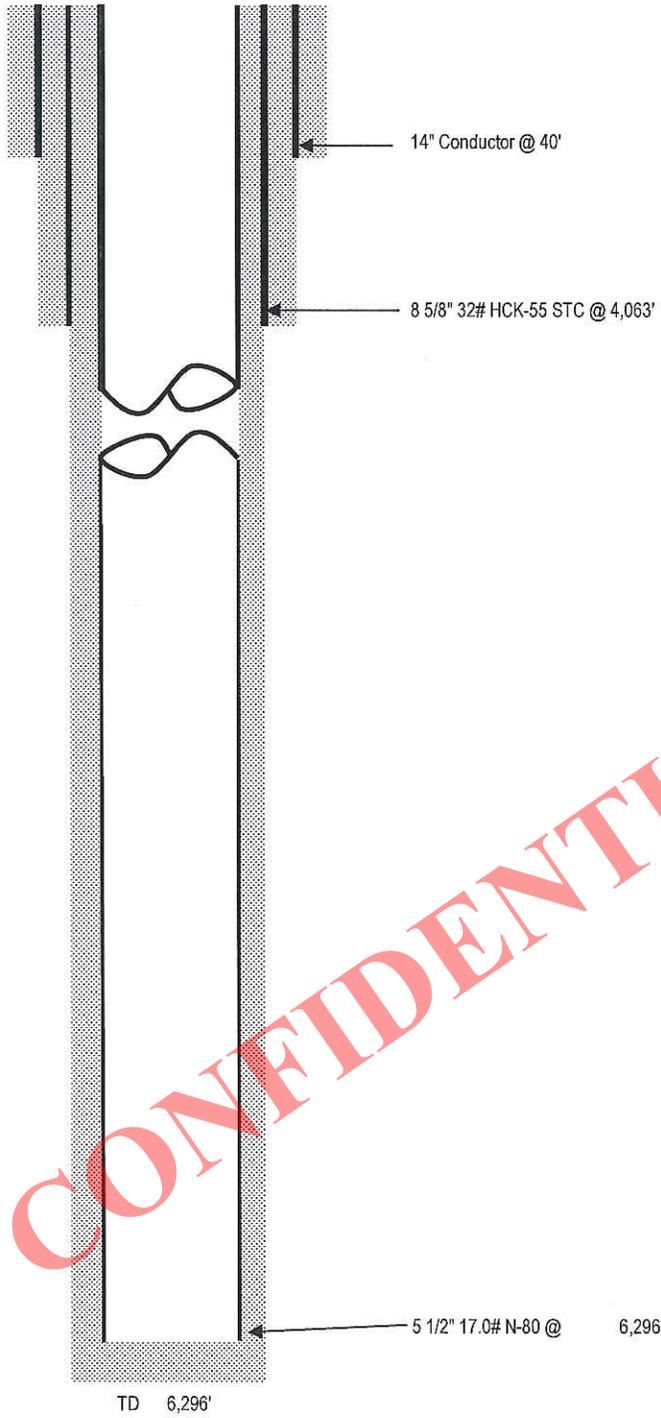
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Modified 03-07-2013 CRA

RW 42-25AGR
API # 43-047
Proposed WBD
Uinta Basin

Sec. 25 T7S-R22E, Uintah Co, UT
LOCATION: 1,784' FNL, 627' FEL

KB 5,532'
GL 5,516'



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T7S, R22E, S.L.B.&M.

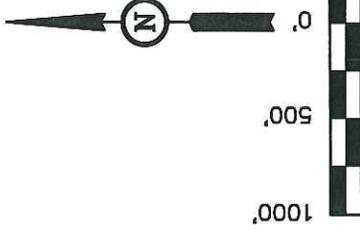
Well location, RW #42-25AGR, located as shown in the SE 1/4 NE 1/4 of Section 25, T7S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, 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 4697 FEET.

BASIS OF BEARINGS

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



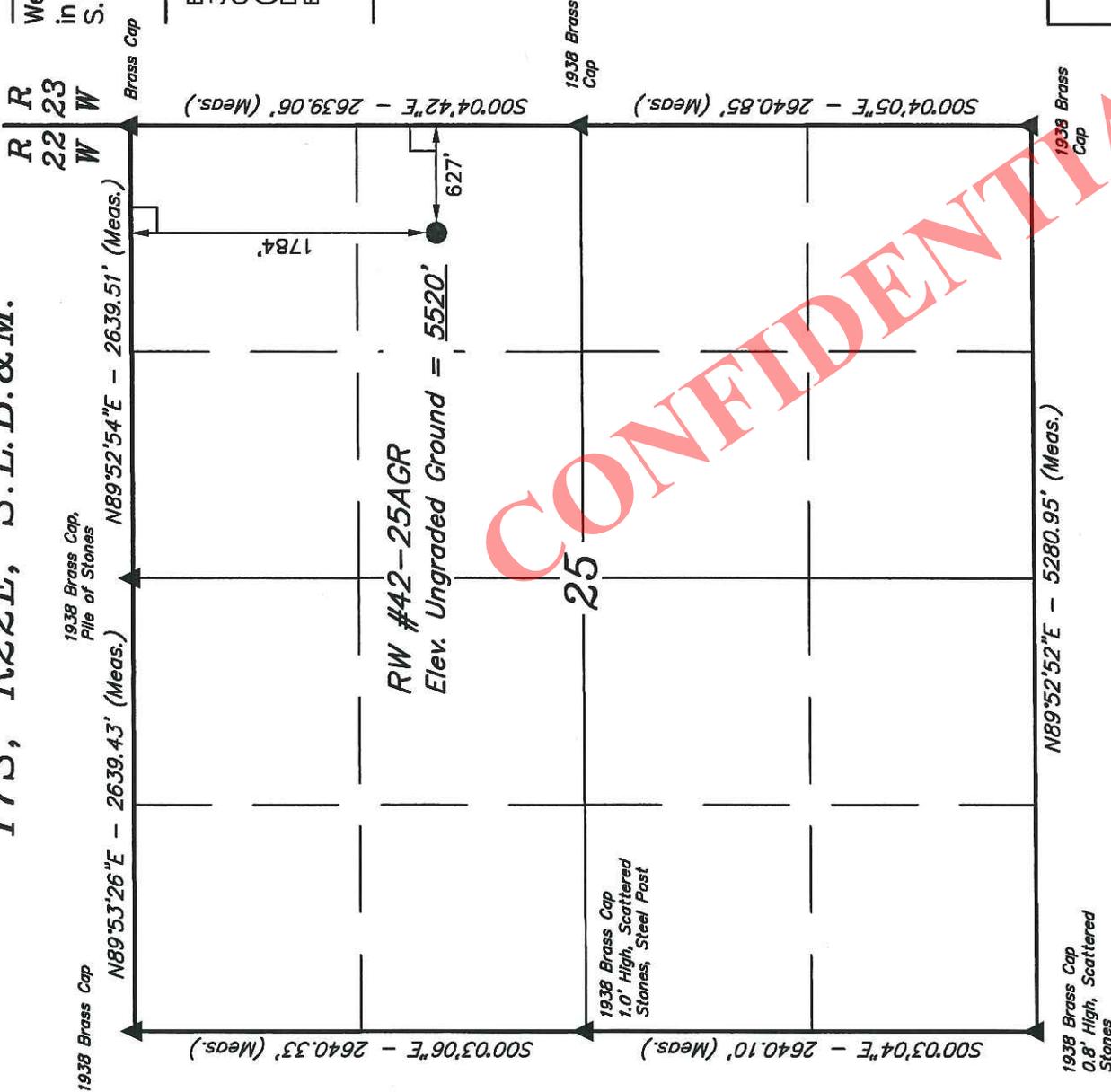
SCALE
CERTIFICATE

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

[Signature]
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH 05-29-12

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

SCALE 1" = 1000'	DATE SURVEYED: 04-26-12	DATE DRAWN: 05-14-12
PARTY G.O. K.M. R.L.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE	QEP ENERGY COMPANY



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NAD 83 (SURFACE LOCATION)
LATITUDE = 40°11'05.41" (40.184836)
LONGITUDE = 109°22'52.04" (109.381122)
NAD 27 (SURFACE LOCATION)
LATITUDE = 40°11'05.54" (40.184872)
LONGITUDE = 109°22'49.58" (109.380438)

- LEGEND:**
- = 90° SYMBOL
 - = PROPOSED WELL HEAD.
 - ▲ = SECTION CORNERS LOCATED.

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RW #42-25AGR

LOCATED IN UINTAH COUNTY, UTAH
SECTION 25, T7S, R22E, S.L.B.&M.

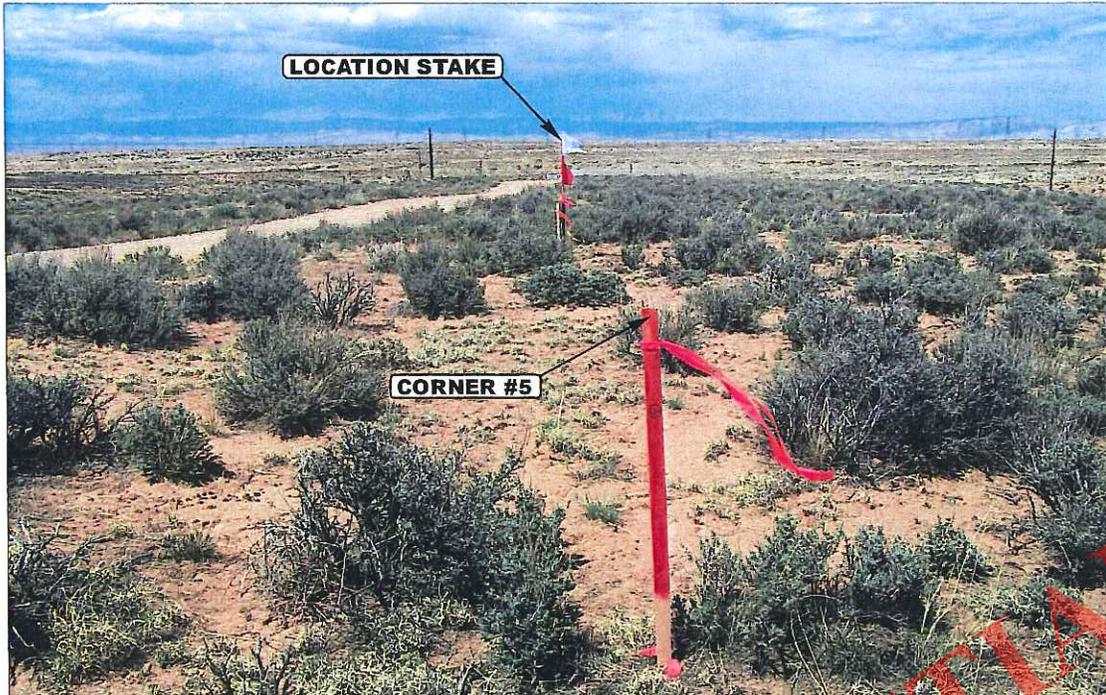


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHERLY

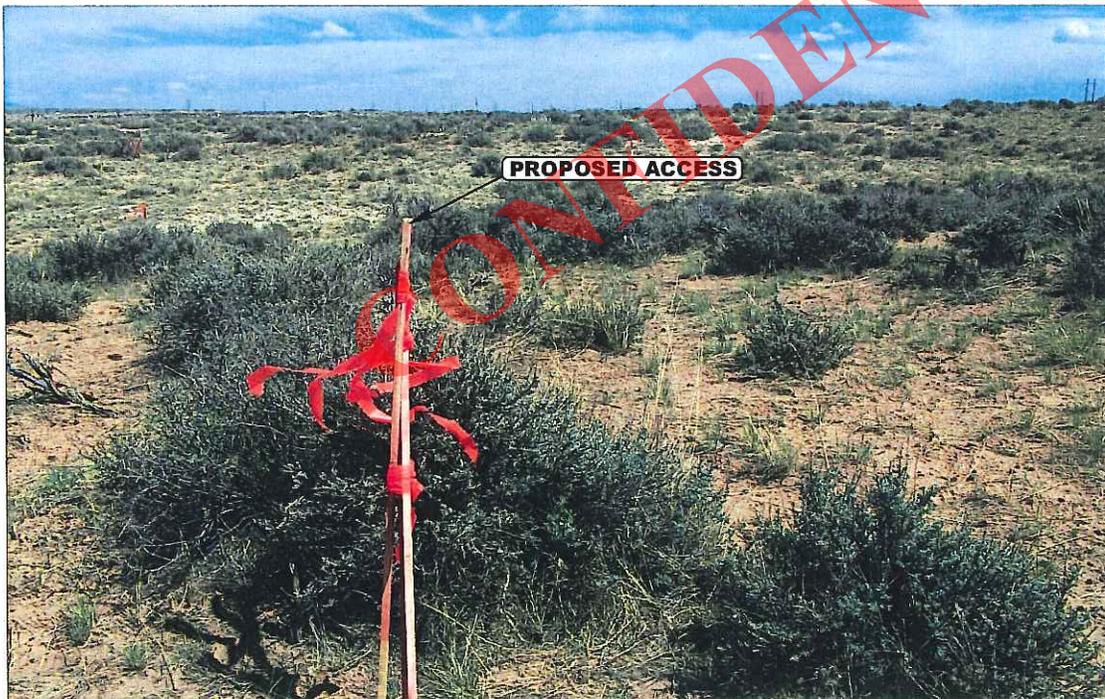


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



- Since 1964 -

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(435) 789-1017 * FAX (435) 789-1813

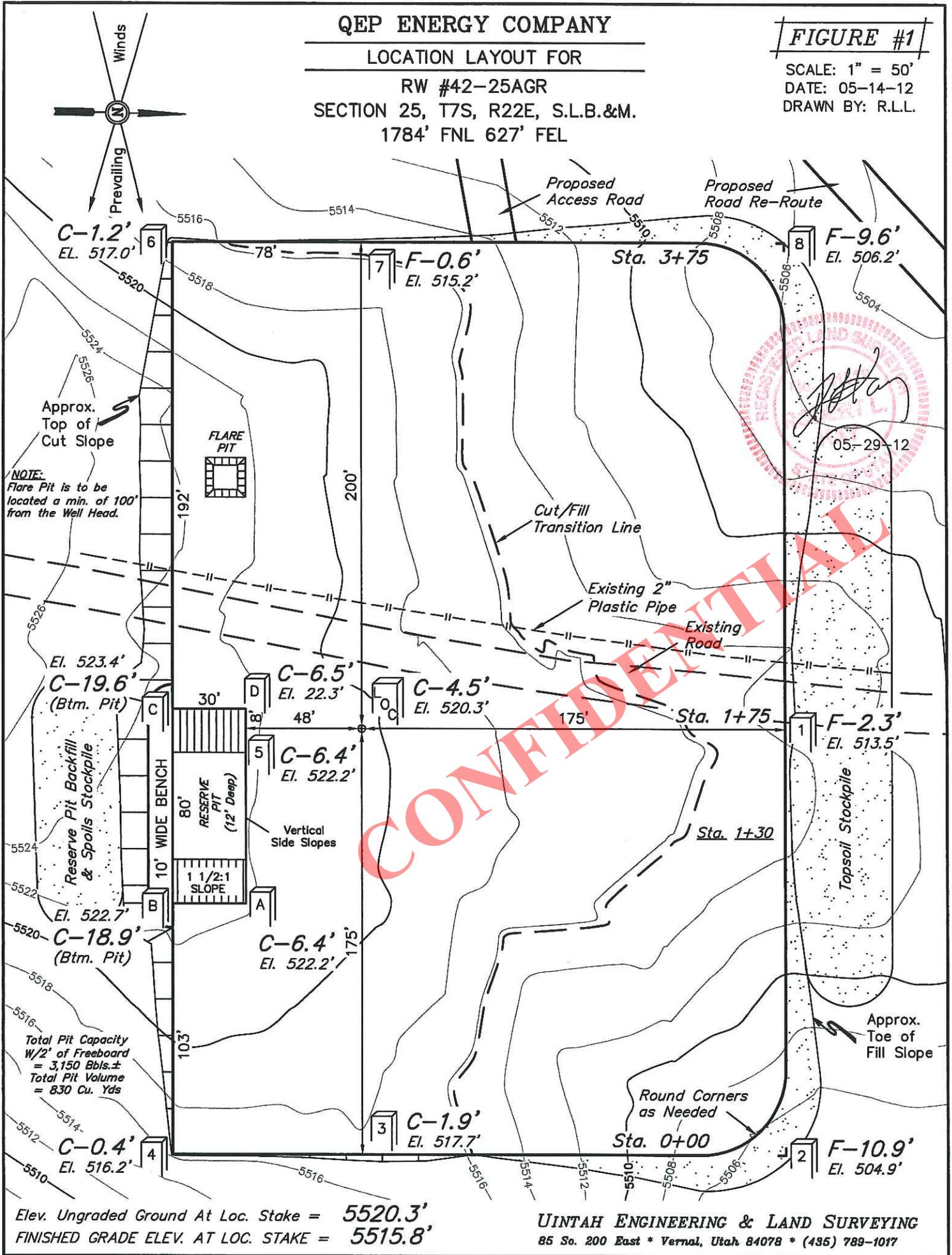
LOCATION PHOTOS			05	15	12	PHOTO
			MONTH	DAY	YEAR	
TAKEN BY: GO.	DRAWN BY: C.I.	REVISED: 00-00-00				

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LOCATION LAYOUT FOR
 RW #42-25AGR
 SECTION 25, T7S, R22E, S.L.B.&M.
 1784' FNL 627' FEL

FIGURE #1

SCALE: 1" = 50'
 DATE: 05-14-12
 DRAWN BY: R.L.L.



Elev. Ungraded Ground At Loc. Stake = 5520.3'
 FINISHED GRADE ELEV. AT LOC. STAKE = 5515.8'

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FIGURE #2

TYPICAL CROSS SECTIONS FOR

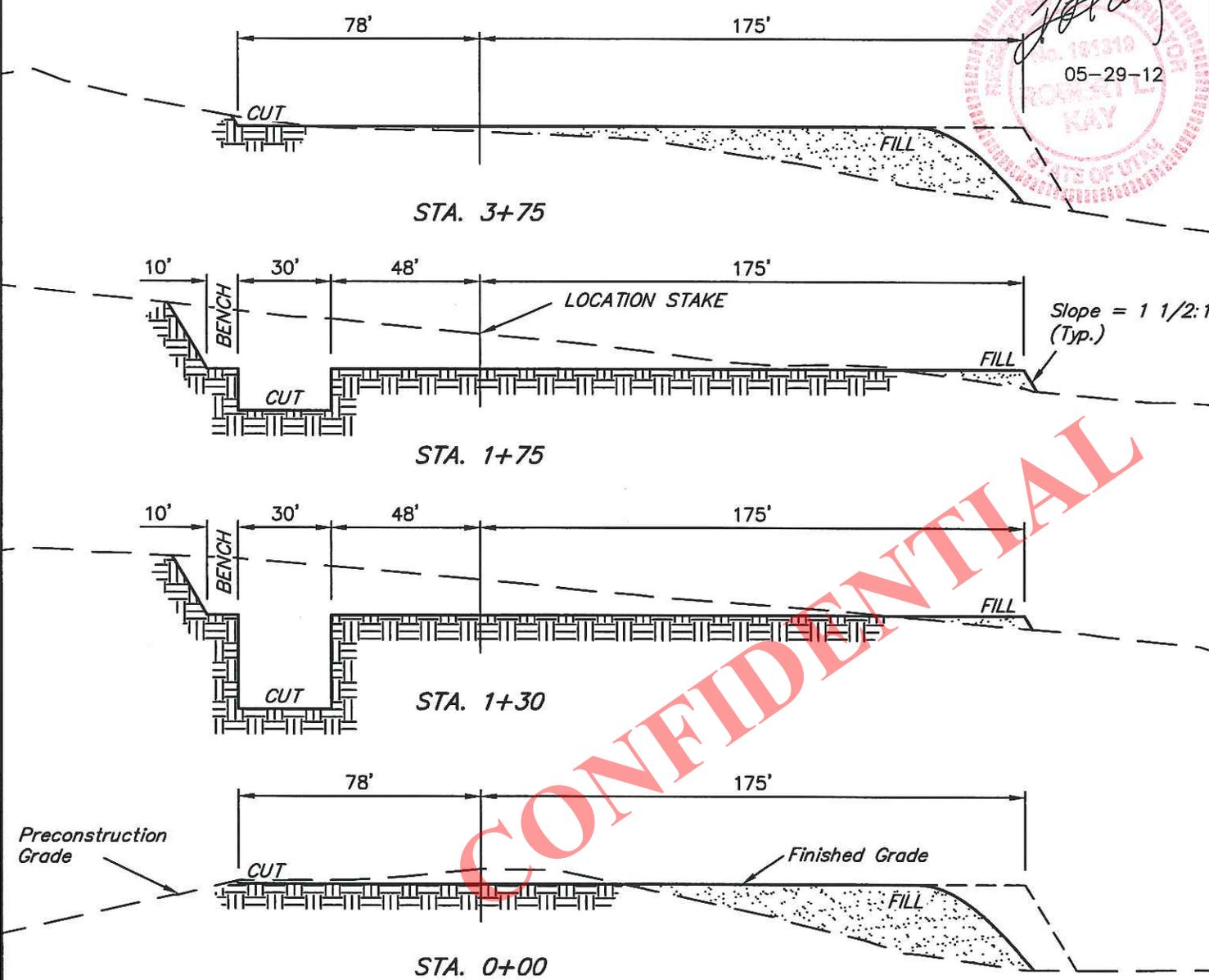
#RW 42-25AGR

SECTION 25, T7S, R22E, S.L.B.&M.

1784' FNL 627' FEL

1" = 20'
X-Section Scale
1" = 50'

DATE: 05-14-12
DRAWN BY: R.L.L.



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NOTE:

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 2.694 ACRES
ACCESS ROAD DISTURBANCE = ± 0.862 ACRES
PIPELINE DISTURBANCE = ± 0.401 ACRES
TOTAL = ± 3.957 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 1,950 Cu. Yds.
Remaining Location = 7,510 Cu. Yds.
TOTAL CUT = 9,460 CU. YDS.
FILL = 7,090 CU. YDS.

EXCESS MATERIAL = 2,370 Cu. Yds.
Topsoil & Pit Backfill = 2,370 Cu. Yds. (1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds. (After Interim Rehabilitation)

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TYPICAL RIG LAYOUT FOR

RW #42-25AGR
SECTION 25, T7S, R22E, S.L.B.&M.
1784' FNL 627' FEL

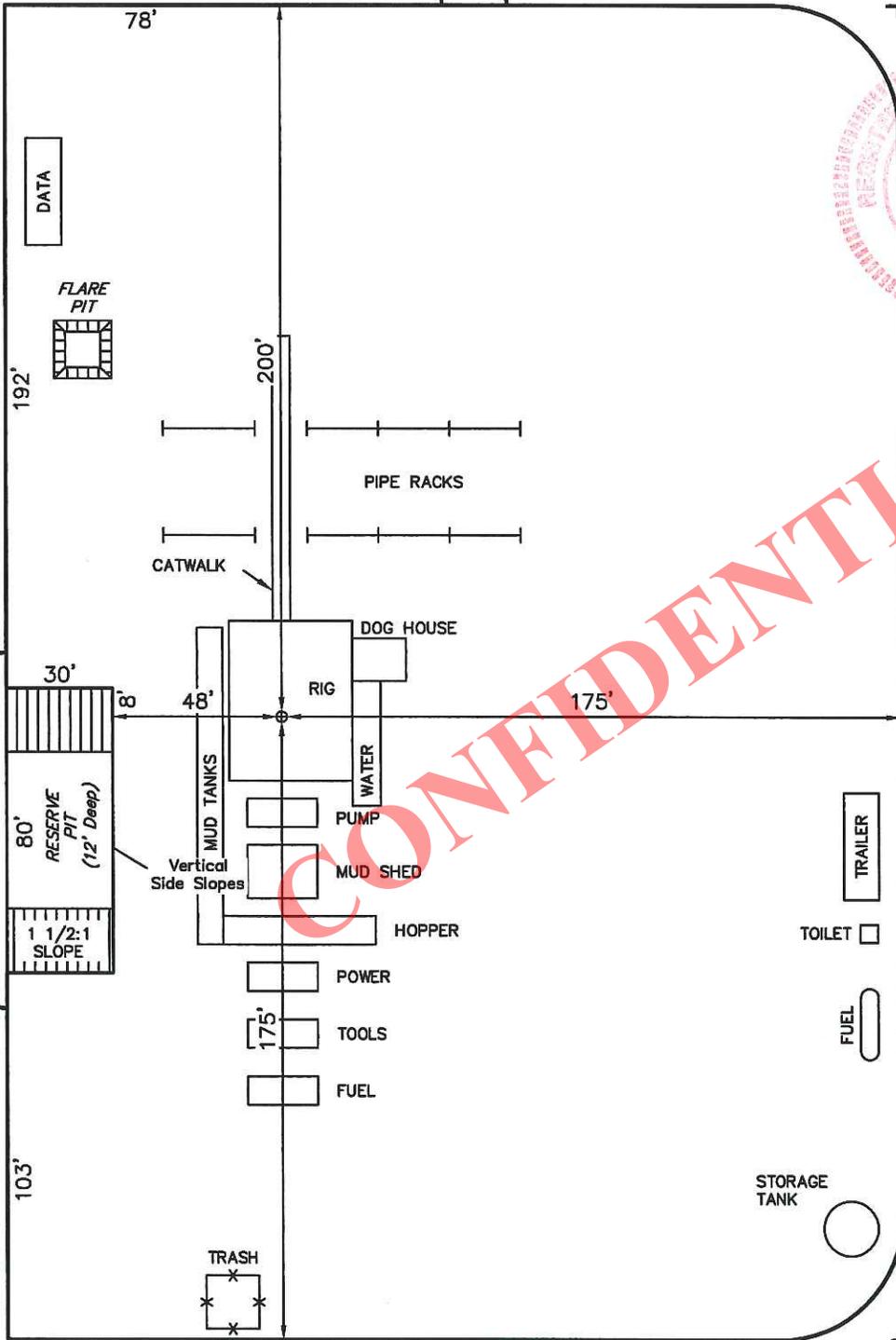
FIGURE #3

SCALE: 1" = 50'
 DATE: 05-14-12
 DRAWN BY: R.L.L.



Proposed
Access Road

Proposed
Road Re-Route



NOTE:
 Flare Pit is to be located a min. of 100' from the Well Head.

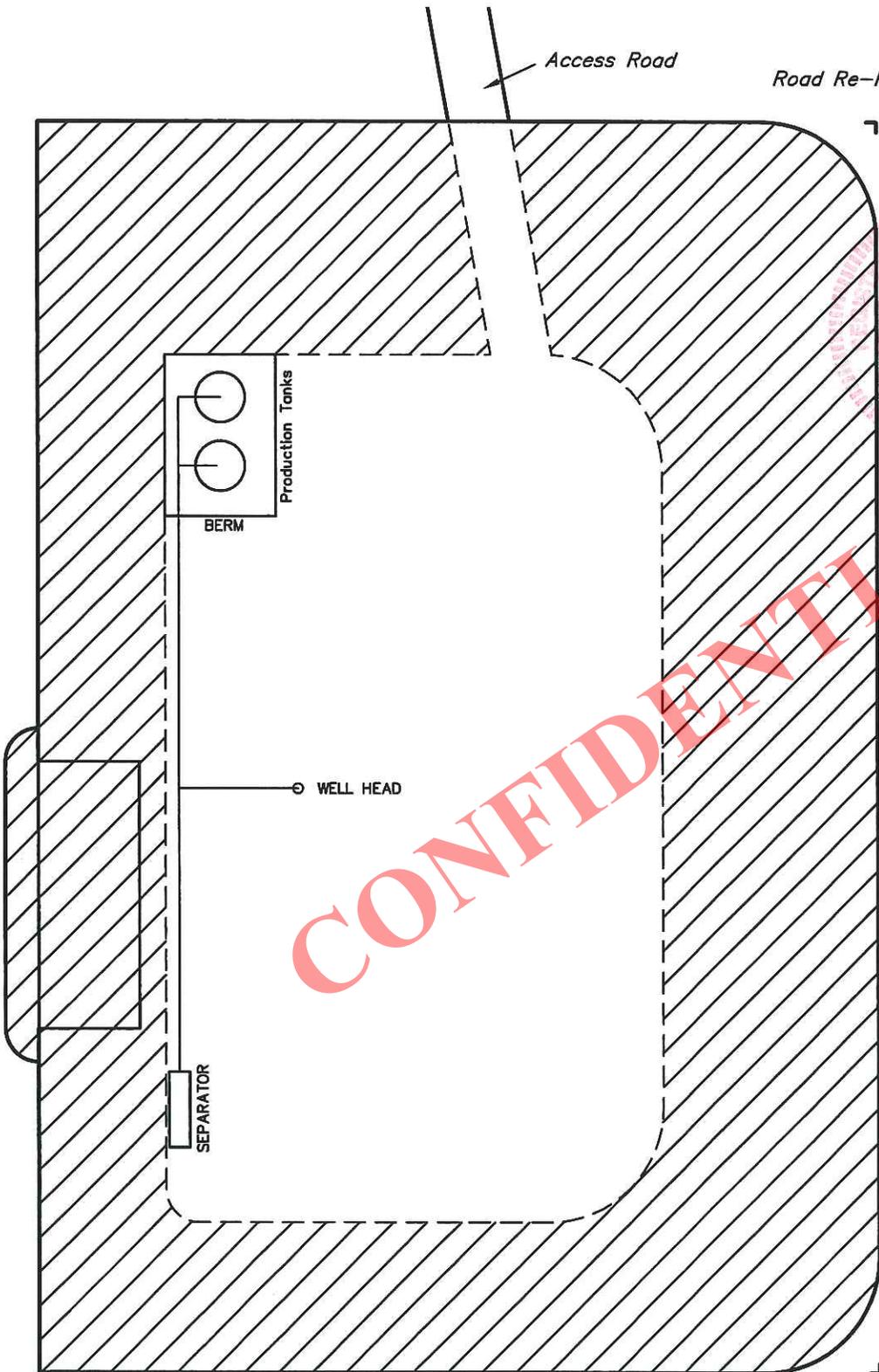
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Total Pit Capacity
 W/2' of Freeboard
 = 3,150 Bbls.±
 Total Pit Volume
 = 830 Cu. Yds

QEP ENERGY COMPANY
PRODUCTION FACILITY LAYOUT FOR
RW #42-25AGR
SECTION 25, T7S, R22E, S.L.B.&M.
1784' FNL 627' FEL

FIGURE #4

SCALE: 1" = 50'
DATE: 05-14-12
DRAWN BY: R.L.L.



RECLAIMED AREA

APPROXIMATE ACREAGES
UN-RECLAIMED = ± 0.912 ACRES

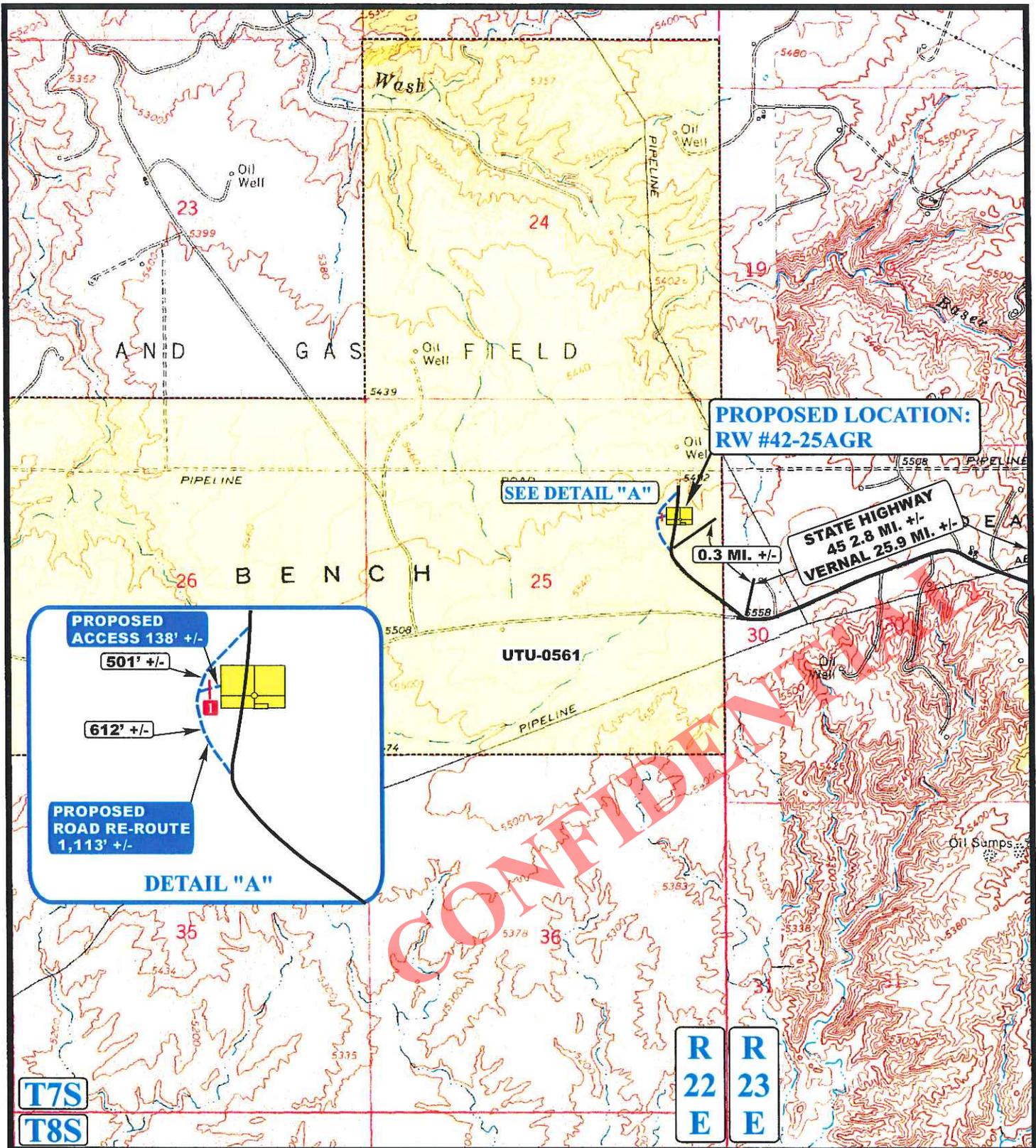
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85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

QEP ENERGY COMPANY
RW #42-25AGR
SECTION 25, T7S, R22E, S.L.B.&M.

PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 19.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 2.8 MILES TO JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE PROPOSED ROAD RE-ROUTE TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 612' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE EAST; FOLLOW ROAD FLAGS IN EASTERLY DIRECTION APPROXIMATELY 138' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 26.3 MILES.

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LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- 18" CMP REQUIRED

QEP ENERGY COMPANY

**RW #42-25AGR
SECTION 25, T7S, R22E, S.L.B.&M.
1784' FNL 627' FEL**



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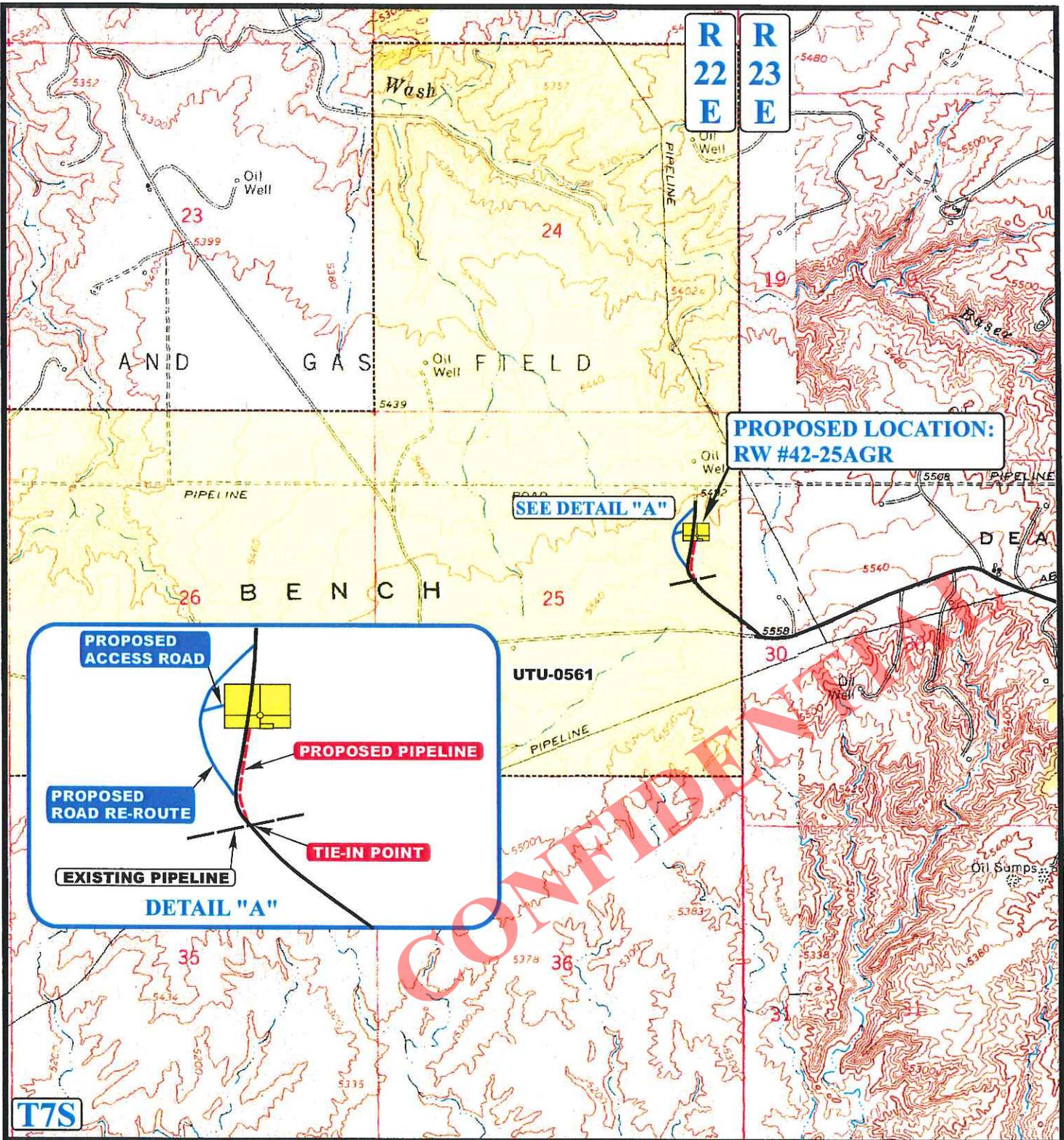


**ACCESS ROAD
MAP**

05 15 12
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.I. REVISED: 00-00-00



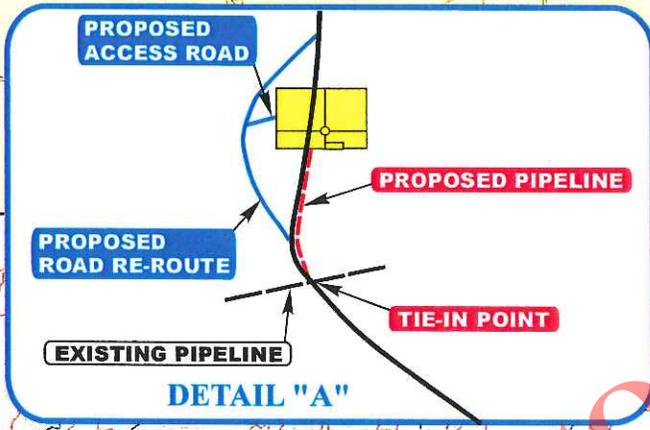


R
22
E

R
23
E

**PROPOSED LOCATION:
RW #42-25AGR**

SEE DETAIL "A"



APPROXIMATE TOTAL PIPELINE DISTANCE = 582' +/-

LEGEND:

— PROPOSED ACCESS ROAD

— EXISTING PIPELINE

- - - PROPOSED PIPELINE

QEP ENERGY COMPANY

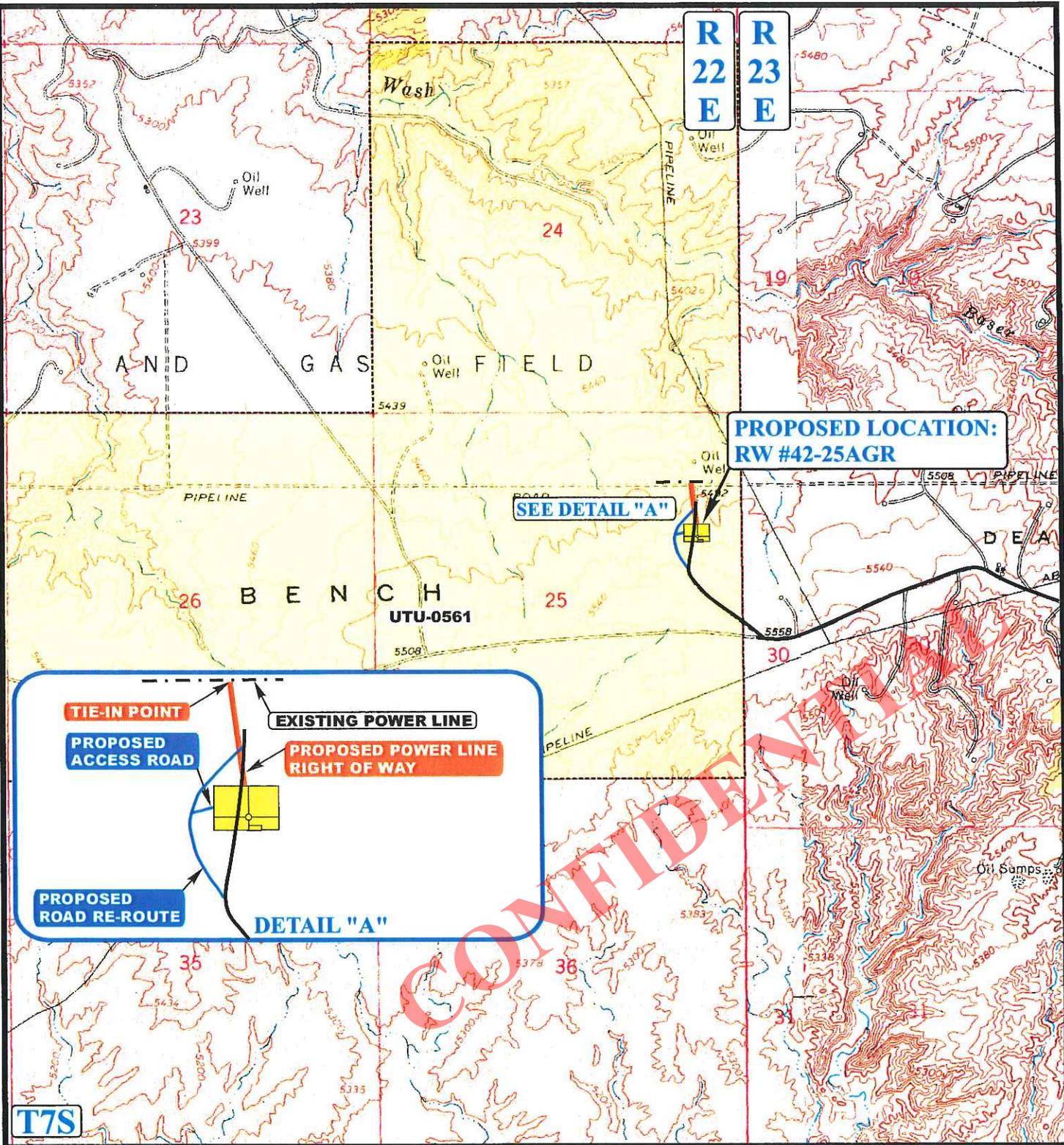
RW #42-25AGR
SECTION 25, T7S, R22E, S.L.B.&M.
1784' FNL 627' FEL

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



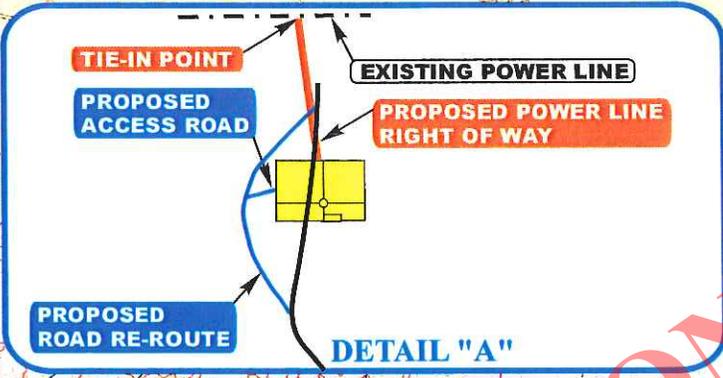
TOPOGRAPHIC MAP **05 15 12**
 MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: C.I. REVISED: 00-00-00

D
TOPO



**PROPOSED LOCATION:
RW #42-25AGR**

SEE DETAIL "A"



APPROXIMATE TOTAL POWERLINE DISTANCE = 579' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- PROPOSED POWER LINE
- - - - - EXISTING POWER LINE

QEP ENERGY COMPANY

**RW #42-25AGR
SECTION 25, T7S, R22E, S.L.B.&M.
1784' FNL 627' FEL**



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

TOPOGRAPHIC MAP	05	15	12
	MONTH	DAY	YEAR
SCALE: 1" = 1000'	DRAWN BY: C.I.		REVISED: 00-00-00

1

TOPO

QEP ENERGY COMPANY
REFERENCE MAP: AREA OF VEGETATION
RW #42-25AGR
 LOCATED IN UTAH COUNTY, UTAH
 SECTION 25, T7S, R22E, S.L.B.&M.

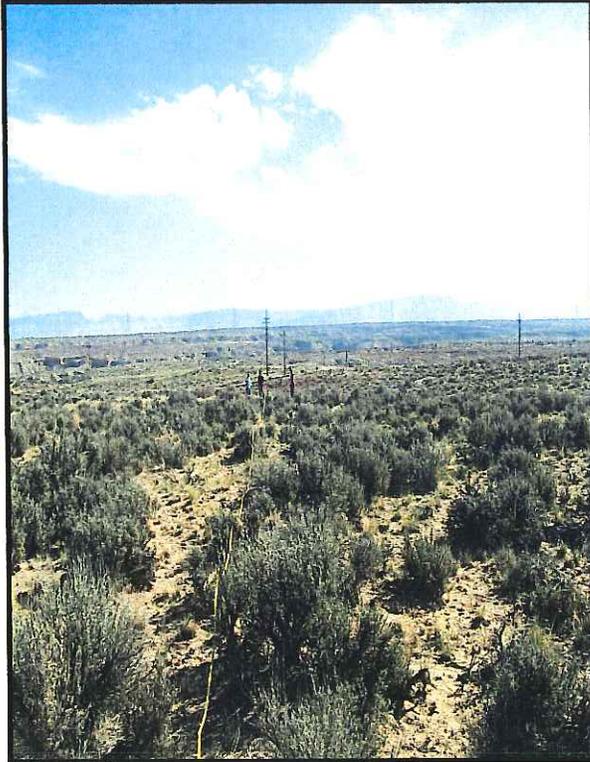
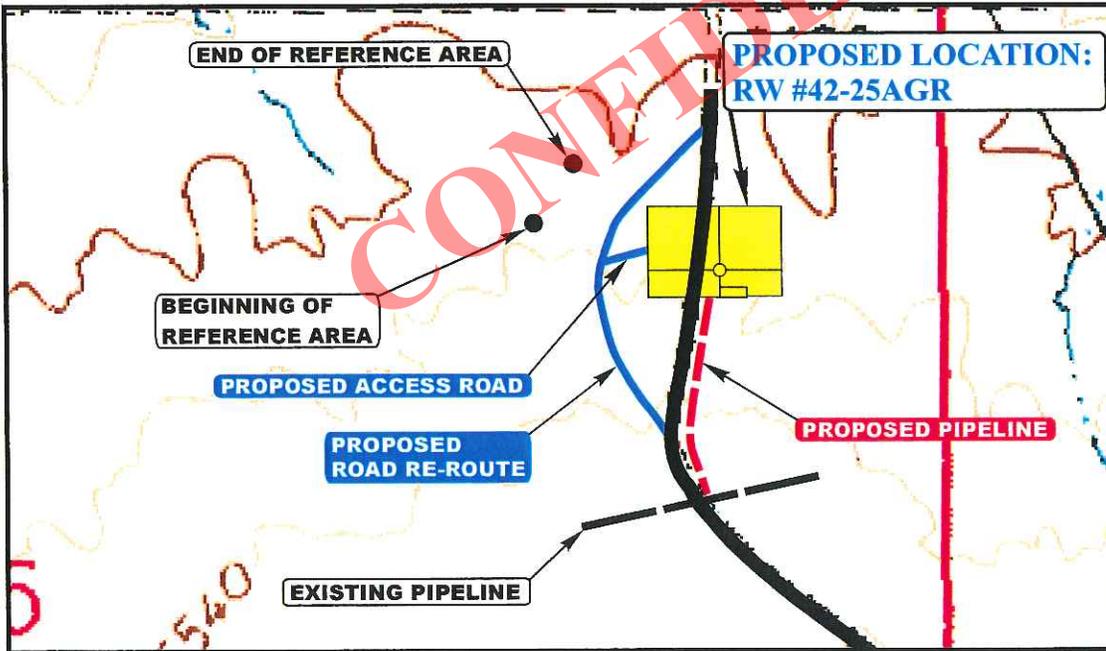


PHOTO: VIEW FROM BEGINNING OF REFERENCE AREA

NOTE:

BEGINNING OF REFERENCE AREA
 NAD 83 Z12 UTM NORTHING: 14598281.417
 NAD 83 Z12 UTM EASTING: 2092062.158
 (NAD 83) LATITUDE: 40.185186
 (NAD 83) LONGITUDE: -109.382933

END OF REFERENCE AREA
 NAD 83 Z12 UTM NORTHING: 14598449.383
 NAD 83 Z12 UTM EASTING: 2092172.411
 (NAD 83) LATITUDE: 40.185642
 (NAD 83) LONGITUDE: -109.382528



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

SCALE: 1" = 500'

07	02	12
MONTH	DAY	YEAR

REF.

TAKEN BY: GO.	DRAWN BY: C.I.	REVISED: 00-00-00
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**QEP ENERGY COMPANY
RW 42-25AGR
SENE, SECTION 25, T7S, R22E
UINTAH COUNTY, UT
LEASE # UTU-0561**

MULTI-POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the RW 42-25AGR on June 20, 2012. Weather conditions were sunny at the time of the onsite. In attendance at the inspection were the following individuals:

Kevin Sadlier	Bureau of Land Management
Aaron Roe	Bureau of Land Management
Melissa Wardle	Bureau of Land Management
Jan Nelson	QEP Energy Company
Valyn Davis	QEP Energy Company
Eric Wickersham	QEP Energy Company
Ryan Angus	QEP Energy Company
Greg Olsen	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 26 miles south of Vernal, Utah.

-See attached TOPO Map "A".

Existing roads will be upgraded, maintained and repaired as necessary. The existing road that runs through location will be re-routed to the west of pad.

2. Planned Access Roads:

An offlease right-of-way is not required. The entire well pad and access road are located within the Red Wash Unit.

There will be a new access road approximately 1,251' in length, 30' in width, containing approximately 0.862 acres.

New access 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.

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.

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.

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.

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.

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.

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

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.

5. Power line

Electrification of the well sites will reduce the emissions and increase reliability by removing the gas venting of pumps for the heat trace system and chemical injection, as well as increase well pad safety by adding lights to the location.

Access into the proposed power lines will be from existing highways and roads. All construction and vehicular traffic will be confined to the authorized access corridor and designated county and/or BLM roads unless otherwise authorized and approved by the regulating agency

All work will be done in accordance with REA specifications.

QEP Energy Company is proposing a 50 ft temporary authorized access and a 15 ft permanent authorized access for power line maintenance. Minimal to no disturbance is required for the power lines following roads and existing ROW's.

The proposed power line will be 579' in length, 15 ft in width, containing 0.199 acres.

6. Location and Type of Water Supply:

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.

7. Source of Construction Materials:

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

Any gravel will be obtained from a commercial source.

8. 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.

After the 90 day period, the produced water will be contained in tanks on location and then hauled by truck to the following pre-approved disposal site:

Red Wash Disposal well located in the SESE, Section 28, T7S, R23E,
West End Disposal located in the NESE, Section 28, T7S, R22E.

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.

9. 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.

The pipeline will be steel, welded schedule #40 or greater, and consist of one (1) 3" inside diameter oil line and two (2) 1 1/4" inside diameter trace lines. The pipelines will be welded together on location and pulled separately into place. The lines will be banded together in one (1) bundle, insulated, and covered with tin painted Covert Green. The pipeline will laid within 20 feet of existing roads, pipelines, or existing route authorizations as much as possible. Pipeline route alternatives will be discussed at the on-site and the resulting proposal will be described in the APD. Road crossings will have a casing installed over the pipeline and ramped so the pipeline will not be buried. Pipeline Route Authorizations will be 30' wide and the location noted on maps accompanying the APD.

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 bundled line following the line to location.

The pipeline will be 582' in length, 30' in width, containing approximately 0.401 acres.

10. 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 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.

11. 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.

12. Reclamation Plan:

Reclamation will follow QEP Energy Company, Uinta Basin Division's Reclamation Plan, September 2009 (QEP Energy 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 QEP Energy Company's Reclamation Plan. Weed control will be conducted as stated in QEP Energy Company's Reclamation Plan.

A reference site and weed data sheet have been established and are 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.

13. 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

14. 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 September 5, 2012, **State of Utah Antiquities Report U-12-MQ-0621b** 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 September 10, 2012, Report **No. IPC 12-111** by Stephen D. Sandau. The inspection resulted in the location of no fossil resources. 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 June 20, 2012, the following items were requested/discussed.

There is 10" topsoil.

CONFIDENTIAL

Lessee's or Operator's Representative & Certification:

Jan Nelson
Permit Agent
QEP Energy Company
11002 East 17500 South
Vernal, UT 84078
(435) 781-4331

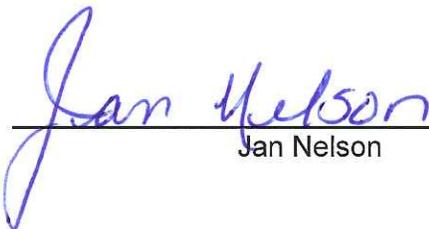
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

QEP Energy Company is considered to be the operator of the subject well. QEP Energy Company agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104.2 for lease activities is being provided by Bond No. ESB000024

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operations; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

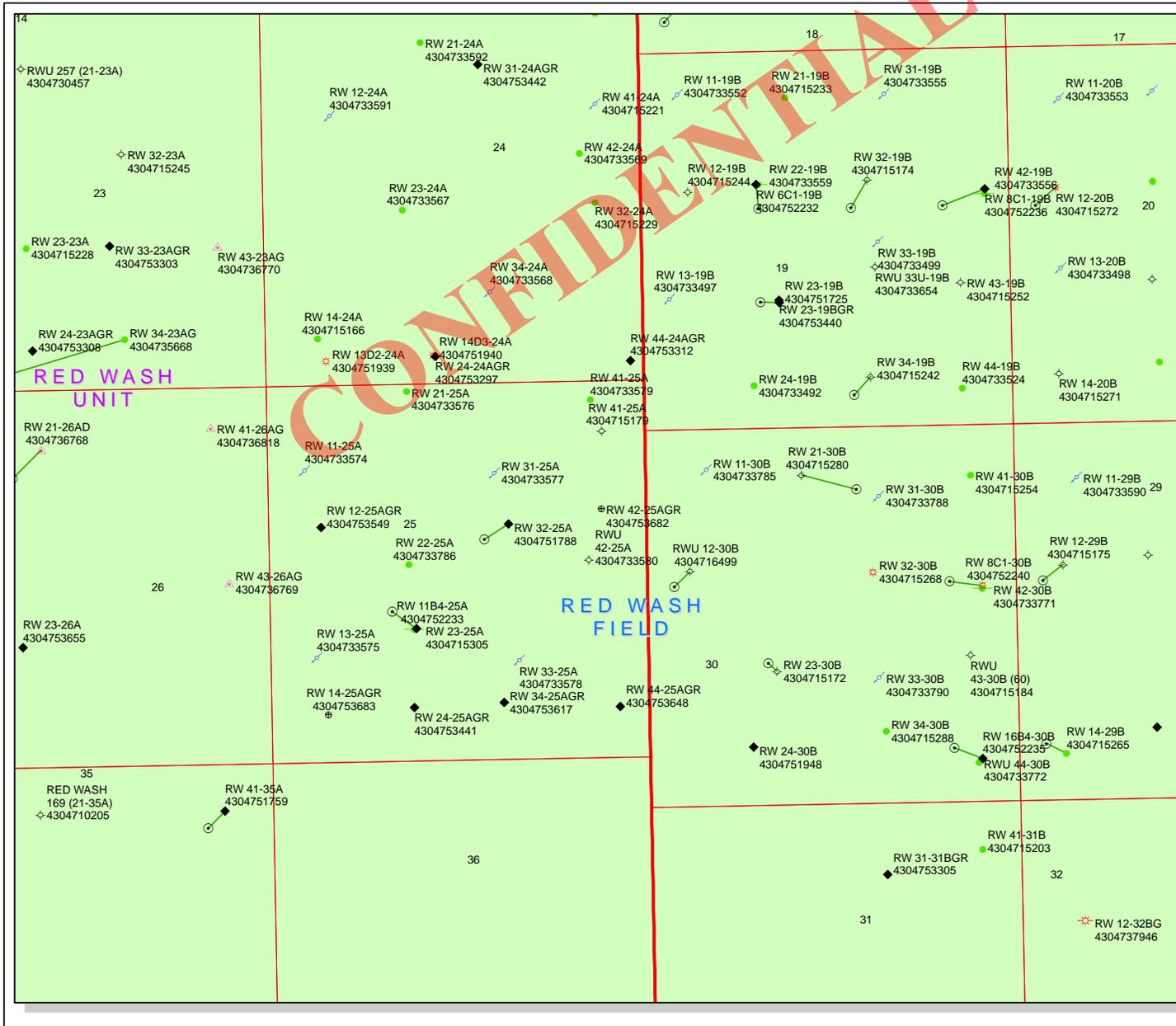


Jan Nelson

3/11/2013

Date

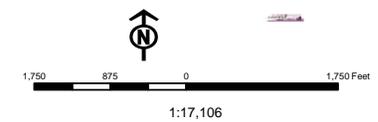
CONFIDENTIAL



API Number: 4304753682
Well Name: RW 42-25AGR
Township T07.0S Range R22.0E Section 25
Meridian: SLBM
Operator: QEP ENERGY COMPANY

Map Prepared:
 Map Produced by Diana Mason

- Units STATUS**
- ACTIVE
 - EXPLORATORY
 - GAS STORAGE
 - NF PP OIL
 - NF SECONDARY
 - PI OIL
 - PP GAS
 - PP GEOTHERMAL
 - PP OIL
 - SECONDARY
 - TERMINATED
- Fields STATUS**
- Unknown
 - ABANDONED
 - ACTIVE
 - COMBINED
 - INACTIVE
 - STORAGE
 - TERMINATED



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)

March 18, 2013

Memorandum

To: Assistant Field Office Manager Minerals,
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Red Wash 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 wells are planned for calendar year 2013 within the Red Wash Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Green River)		
43-047-53680	RW 43-27AGR	Sec 27 T07S R22E 2155 FSL 0570 FEL
43-047-53681	RW 23-27AGR	Sec 27 T07S R22E 1915 FSL 1980 FWL
43-047-53682	RW 42-25AGR	Sec 25 T07S R22E 1784 FNL 0627 FEL
43-047-53683	RW 14-25AGR	Sec 25 T07S R22E 0679 FSL 0770 FWL
43-047-53684	RW 44-29BGR	Sec 29 T07S R23E 0714 FSL 0662 FEL
43-047-53696	RW 13-26AGR	Sec 26 T07S R22E 2160 FSL 0563 FWL

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

Michael L. Coulthard

Digitally signed by Michael L. Coulthard
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,
ou=Branch of Minerals, email=Michael_Coulthard@blm.gov, c=US
Date: 2013.03.18 08:12:31 -0600

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

MCoulthard:mc:3-18-13

RECEIVED: March 19, 2013

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 3/11/2013

API NO. ASSIGNED: 43047536820000

WELL NAME: RW 42-25AGR

OPERATOR: QEP ENERGY COMPANY (N3700)

PHONE NUMBER: 435 781-4331

CONTACT: Jan Nelson

PROPOSED LOCATION: SENE 25 070S 220E

Permit Tech Review:

SURFACE: 1784 FNL 0627 FEL

Engineering Review:

BOTTOM: 1784 FNL 0627 FEL

Geology Review:

COUNTY: UINTAH

LATITUDE: 40.18483

LONGITUDE: -109.38111

UTM SURF EASTINGS: 637818.00

NORTHINGS: 4449528.00

FIELD NAME: RED WASH

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU0561

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: 49-251/49-2153
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

LOCATION AND SITING:

- R649-2-3.
- Unit: RED WASH
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 187-07
- Effective Date: 9/18/2001
- Siting: Suspends General Siting
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 4 - Federal Approval - 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: RW 42-25AGR
API Well Number: 43047536820000
Lease Number: UTU0561
Surface Owner: FEDERAL
Approval Date: 3/20/2013

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 Cause 187-07. 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.

Notification Requirements:

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

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

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

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

Reporting Requirements:

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

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

Approved By:

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

For John Rogers
Associate Director, Oil & Gas

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

MAR 12 2013

FORM APPROVED
OMB No. 1004-0136
Expires July 31, 2010

BLM

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.
UTU0561

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.
890007610

8. Lease Name and Well No.
RW 42-25AGR

9. API Well No.
43047 53682

10. Field and Pool, or Exploratory
RED WASH

1a. Type of Work: DRILL REENTER

CONFIDENTIAL

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

2. Name of Operator
QEP ENERGY COMPANY
Contact: JAN NELSON
E-Mail: jan.nelson@qepres.com

3a. Address
11002 EAST 17500 SOUTH
VERNAL, UT 84078

3b. Phone No. (include area code)
Ph: 435-781-4331
Fx: 435-781-4395

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface SENE 1784FNL 627FEL 40.184836 N Lat, 109.381122 W Lon
At proposed prod. zone SENE 1784FNL 627FEL 40.184836 N Lat, 109.381122 W Lon

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 25 T7S R22E Mer SLB

14. Distance in miles and direction from nearest town or post office*
26 MILES SOUTH OF VERNAL, UT

12. County or Parish
UINTAH
13. State
UT

15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)
627

16. No. of Acres in Lease
1920.00

17. Spacing Unit dedicated to this well
40.00

18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft.
1000

19. Proposed Depth
6296 MD

20. BLM/BIA Bond No. on file
ESB000024

21. Elevations (Show whether DF, KB, RT, GL, etc.)
5520 GL

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

23. Estimated duration
7 DAYS

24. Attachments

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

DIV. OF OIL, GAS & MINING

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

25. Signature (Electronic Submission) Name (Printed/Typed) Date
JAN NELSON Ph: 435-781-4331 03/11/2013

Title
PERMIT AGENT

Approved by (Signature) Name (Printed/Typed) Date
Jerry Kenczka SEP 16 2013

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

Application approval does not warrant or certify the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

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

Electronic Submission #201207 verified by the BLM Well Information System
For QEP ENERGY COMPANY, sent to the Vernal
Committed to AFMSS for processing by JOHNETTA MAGEE on 03/20/2013 ()

NOTICE OF APPROVAL

UDOGM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **



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: RW 42-25AGR
API No: 43-047-53682

Location: SENE, Sec. 25, T7S, R22E
Lease No: UTU-0561
Agreement:

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.
- QEP Energy Company's proposal to 19 oil wells: RW 11-27 AGR, RW 12-14 AGR, RW 12-25 AGR, RW 12-26 AGR, RW 13-17 BGR, RW 13-26 AGR, RW 14-25 AGR, RW 23-19 BGR, RW 24-13 AGR, RW 24-14 AGR, RW 24-25 AGR, RW 31-20 BGR, RW 31-24 AGR, RW 34-25 AGR, RW 42-25 AGR, RW 43-20 BGR, RW 43-27 AGR, RW 44-25 AGR, RW 44-29 BGR. Sections 13, 14, 23, 24, 25, 26, and 27, T. 7 S., R. 22 E., and Sections 17, 19, 20, 28, 29, T. 7 S., R. 23 E, Uintah County, Utah. The project area is located approximately 25 miles south of Vernal, Utah.
- The construction of the wells and access roads will result in approximately 75.56 acres of new surface disturbance.
- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horse power must not emit more than 2 grams 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-hour.
- All new and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 grams of NO_x per horsepower-hour.
- Green completions would be used for all well completion activities where technically feasible.
- Employ enhanced VOC emission controls with 95% control efficiency on production equipment having a potential to emit greater than 5 tons per year.
- The reserve pit will be fenced on three sides prior to drilling activity and closed off on the fourth side after drilling is finished. The reserve pits for the wells will be lined with a 16 ml liner with felt.
- A dike will be constructed around those production facilities that contain fluids. The dikes will be constructed of compacted subsoil. They will be impervious, hold 10 percent more than the capacity of the largest tank, and be independent of the back cut.
- All permanent (meaning on site for six months or longer) structures will be painted Covert Green to match the surrounding landscape color unless otherwise authorized. This will include all facilities except those required to comply with Occupational Safety and Health Act (OSHA) regulations.
- If dry, the wells will be plugged and abandoned as per BLM and State of Utah requirements.

- Prior to construction, an invasive plants/noxious weeds inventory will be completed for all areas where surface disturbance will occur. A completed Weed Inventory form documenting any occurrences of invasive plants or noxious weeds will be submitted to the BLM Authorized Officer before surface disturbance will occur.
- All vehicles and equipment would be cleaned either through power-washing, or other approved method, if the vehicles or equipment are brought in from areas outside the Uinta Basin, to prevent weed seed introduction.
- The operator will control noxious/invasive weeds along their roads, pipelines, well sites, or other applicable facilities by the application of herbicides or by mechanical removal until reclamation is considered to be successful by the authorized officer (AO) and the bond for the well is released. A list of noxious weeds will be obtained from the BLM or the appropriate county extension office. On BLM-administered land, the operator will submit a Pesticide Use Proposal and obtain approval prior to the application of herbicides, other pesticides, or possible hazardous chemicals.
- Immediately upon well completion, the location and surrounding area shall be cleared of all unused tubing, equipment, debris, materials, and trash. Any hydrocarbons in the pit will be removed in accordance with 43 CFR 3162.7-1.
- The reserve pit and the portion of the well not needed for production facilities/operations shall be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion, or as soon as environmental conditions allow. The stockpiled pit topsoil will then be spread over the pit area and broadcast-seeded/drill seeded (preferred method) with a seed mix submitted to the BLM Authorized Officer (AO) for approval prior to seeding. Seeding will be done in the fall prior to winter freezing of the soil. The seed mixture shall be worked into the topsoil with a drill seeder, bulldozer or other heavy equipment. If initial seeding is not successful, reseeding may be required.
- Once the well is plugged and facilities are removed and abandoned, the topsoil shall be stripped and stockpiled off of the location, and the well site, pipelines, and access roads will be returned to natural contours. The topsoil shall be respread, and the location seeded with the mixture submitted to the BLM AO. The seed mixture shall be worked into the topsoil with a drill seeder, bulldozer or other heavy equipment.
- Interim reclamation, final reclamation, and monitoring of reclaimed areas will be completed in accordance with the QEP Energy Company, Uinta Basin Division's Reclamation Plan, September 2009 on file with the Vernal Field Office of the BLM.
- Prior to any surface disturbance, vegetative monitoring locations and reference sites will be identified by QEP and approved by the BLM AO. Vegetation monitoring protocol will be developed by QEP and approved by the BLM AO prior to implementation of revegetation techniques and will be designed to monitor % basal vegetative cover.
- Revegetated areas will be inspected annually and monitored to document location and extent of areas with successful revegetation, and areas needing further reclamation (for a period of 5 years after construction completion). A reclamation report will be submitted to the AO by March 31 of each year.
- QEP has agreed not to construct or drill during the following dates, unless otherwise determined by the BLM Authorized Officer.

Raptor nesting timing restriction

Well Name	Burrowing Owl March 1 to August 31	Red Tailed Hawk March 1 to August 15	Great Horned Owl December 1 to September 31	Ferruginous Hawk March 1 to August 31	Golden Eagle January 1 to August 31
RW 11-27 AGR	Yes	No	No	No	No
RW 12-14 AGR	No	Yes	Yes	No	No
RW 12-25 AGR	Yes	No	No	No	No
RW 12-26 AGR	No	No	No	Yes	No
RW 13-17 BGR	No	No	No	No	No
RW 13-26 AGR	No	No	No	Yes	No
RW 14-25 AGR	No	No	No	No	No
RW 23-19 BGR	No	No	No	No	No
RW 24-13 AGR	No	Yes	No	No	No
RW 24-14 AGR	No	Yes	No	No	Yes
RW 24-25 AGR	Yes	No	No	No	No
RW 31-20 BGR	Yes	No	No	No	No
RW 31-24 AGR	No	No	No	No	No
RW 34-25 AGR	Yes	No	No	No	No
RW 42-25 AGR	No	No	No	No	No
RW 43-20 BGR	No	No	No	No	No
RW 43-27 AGR	Yes	No	No	Yes	No
RW 44-25 AGR	Yes	No	No	No	No
RW 44-29 BGR	No	No	No	Yes	No

Yes indicates that drilling or construction would not commence during this time period unless approved by the BLM authorized officer.

- QEP will educate its contractors and employees about the relevant federal regulations intended to protect paleontological and cultural resources. All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to areas cleared by the site inventory and

to existing roads. If any potential paleontological or cultural resources are uncovered during construction, work will stop immediately in the area and the appropriate BLM AO will be notified.

- A paleontological survey was conducted on all areas where surface disturbance would occur Table 2-2 indicates where and when a paleontologist would be required to monitor surface disturbing activity.

Table 2-2 Paleontological Resources Survey Results.

Well Name	BLM Authorized Permitted Paleontologist Would Monitor the Access Road.	BLM Authorized Permitted Paleontologist Would Monitor the Pipe Line.	BLM Authorized Permitted Paleontologist Would Monitor the Well Pad.	BLM Authorized Permitted Paleontologist Would Monitor for the Power Line.
RW 11-27 AGR	No	No	No	NA
RW 12-14 AGR	Yes	Yes	Yes	NA
RW 12-25 AGR	No	No	No	No
RW 12-26 AGR	No	No	No	No
RW 13-17 BGR	Yes	Yes	Yes	Yes
RW 13-26 AGR	No	No	No	No
RW 14-25 AGR	No	No	No	No
RW 23-19 BGR	No	No	No	No
RW 24-13 AGR	No	Yes	No	No
RW 24-14 AGR	No	No	No	No
RW 24-25 AGR	No	No	No	No
RW 31-20 BGR	No	No	No	No
RW 31-24 AGR	No	No	No	No
RW 34-25 AGR	No	No	No	No
RW 42-25 AGR	No	No	No	No
RW 43-20 BGR	No	No	No	No
RW 43-27 AGR	No	No	No	No
RW 44-25 AGR	Yes	Yes	Yes	Yes
RW 44-29 BGR	No	No	No	No

Yes indicates that QEP would provide a BLM Authorized Permitted Paleontologist to monitor the construction process for the access road, pipe line, well pad, or power line.

-

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

SITE SPECIFIC DOWNHOLE COAs:

- Cement for the production casing shall be brought up to a minimum of 200` feet above the surface casing shoe.
- A CBL shall be run from TD to TOC in the Production Casing.
- Variances shall be granted as requested in Section 6 of the Drilling Program.
- Gamma Ray Log shall be run from Total Depth to the Surface.
- Cement sample shall be caught and tested for the lead and tail cement for the surface and production casing.

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 by CD (compact disc). 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 (¼ ¼, 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: UTU0561
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: RED WASH
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: RW 42-25AGR
2. NAME OF OPERATOR: QEP ENERGY COMPANY	9. API NUMBER: 43047536820000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	PHONE NUMBER: 303 308-3068 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1784 FNL 0627 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 25 Township: 07.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: RED WASH 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: 11/18/2013 <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.

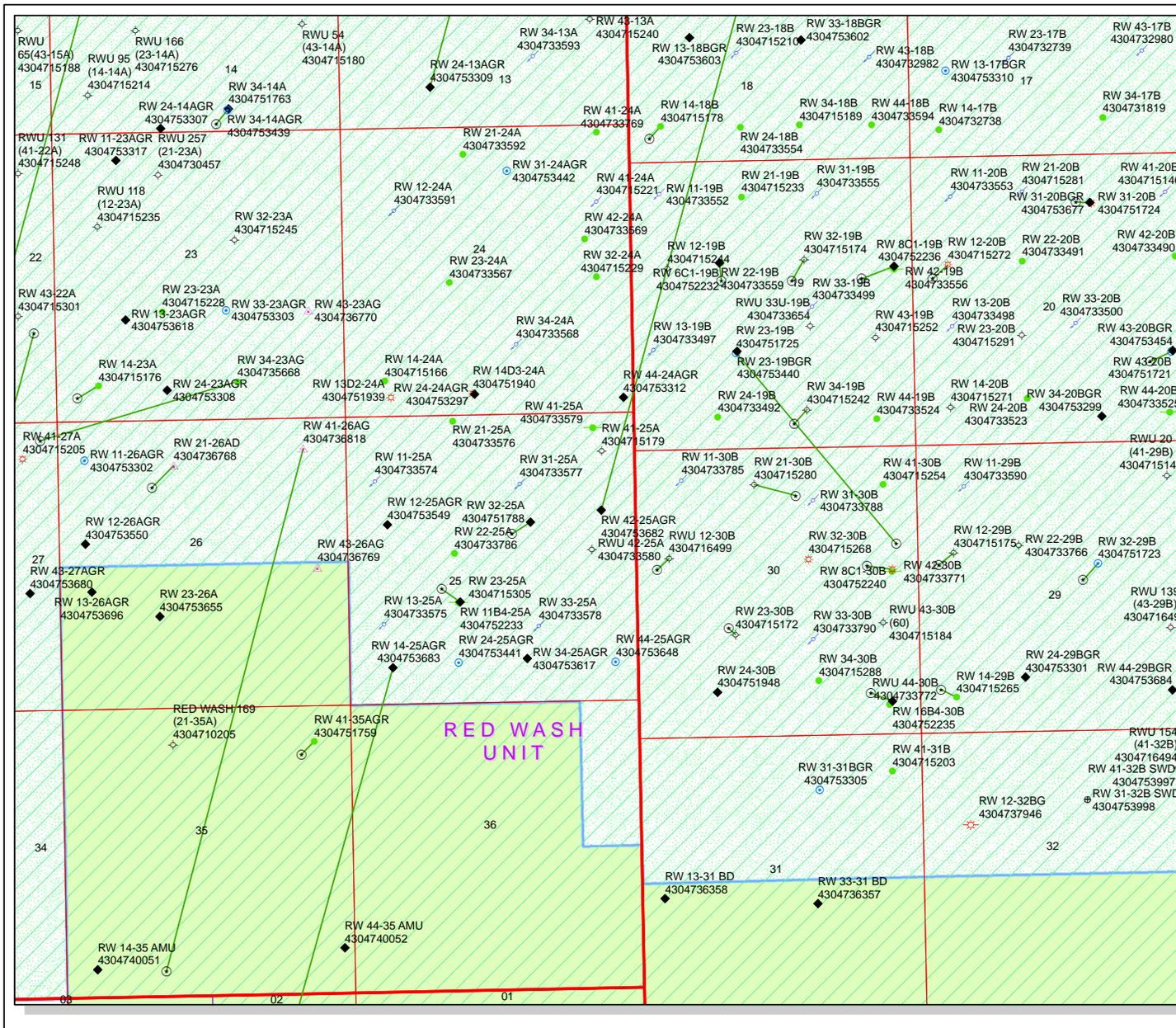
QEP ENERGY COMPANY REQUESTS TO CHANGE THE RW 42-25AGR FROM A VERTICAL OIL WELL TO A HORIZONTAL GAS WELL. NEW BOTTOM HOLE FOOTAGES ARE: 1426' FNL, 2352' FWL, SEC. 18, T7S, R23E, LAT: 40.212842, LONG: 109.370456 NO ADDITIONAL SURFACE DISTURBANCE IS REQUIRED FOR THIS ACTION. QEP ENERGY COMPANY REQUESTS THIS WELL BE FILED AS "CONFIDENTIAL". PLEASE SEE ATTACHED: LEGAL PLAT, DRILLING PLAN, DIRECTIONAL PLAN.

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

Date: November 25, 2013

By: 

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 11/18/2013	



API Number: 4304753682

Well Name: RW 42-25AGR

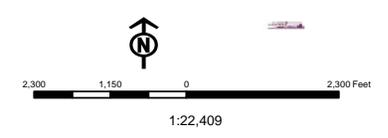
Township: T07.0S Range: R22.0E Section: 25 Meridian: S

Operator: QEP ENERGY COMPANY

Map Prepared: 11/21/2013
Map Produced by Diana Mason

Wells Query		Units	
	APD - Approved Permit		ACTIVE
	DRL - Spudded (Drilling Commenced)		EXPLORATORY
	GIW - Gas Injection		GAS STORAGE
	GS - Gas Storage		NF PP OIL
	LOC - New Location		NF SECONDARY
	OPS - Operation Suspended		PI OIL
	PA - Plugged Abandoned		PP GAS
	PGW - Producing Gas Well		PP GEOTHERMAL
	POW - Producing Oil Well		PP OIL
	SGW - Shut-in Gas Well		SECONDARY
	SGW - Shut-in Oil Well		TERMINATED
	TA - Temp. Abandoned		
	TW - Test Well		
	WDD - Water Disposal		
	WW - Water Injection Well		
	WSW - Water Supply Well		

Fields STATUS	
	Unknown
	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	STORAGE
	TERMINATED



T7S, R23E, S.L.B.&M.

QEP ENERGY COMPANY

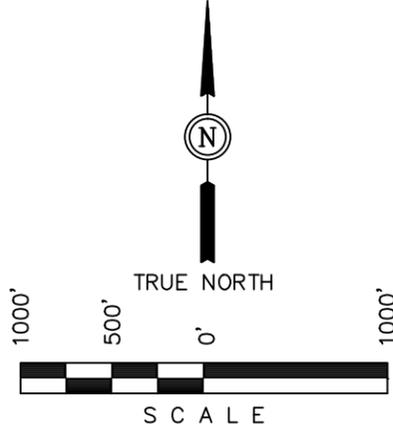
Well location, RW #42-25AGR, located as shown in the SE 1/4 NE 1/4 of Section 25, T7S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, 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 4697 FEET.

BASIS OF BEARINGS

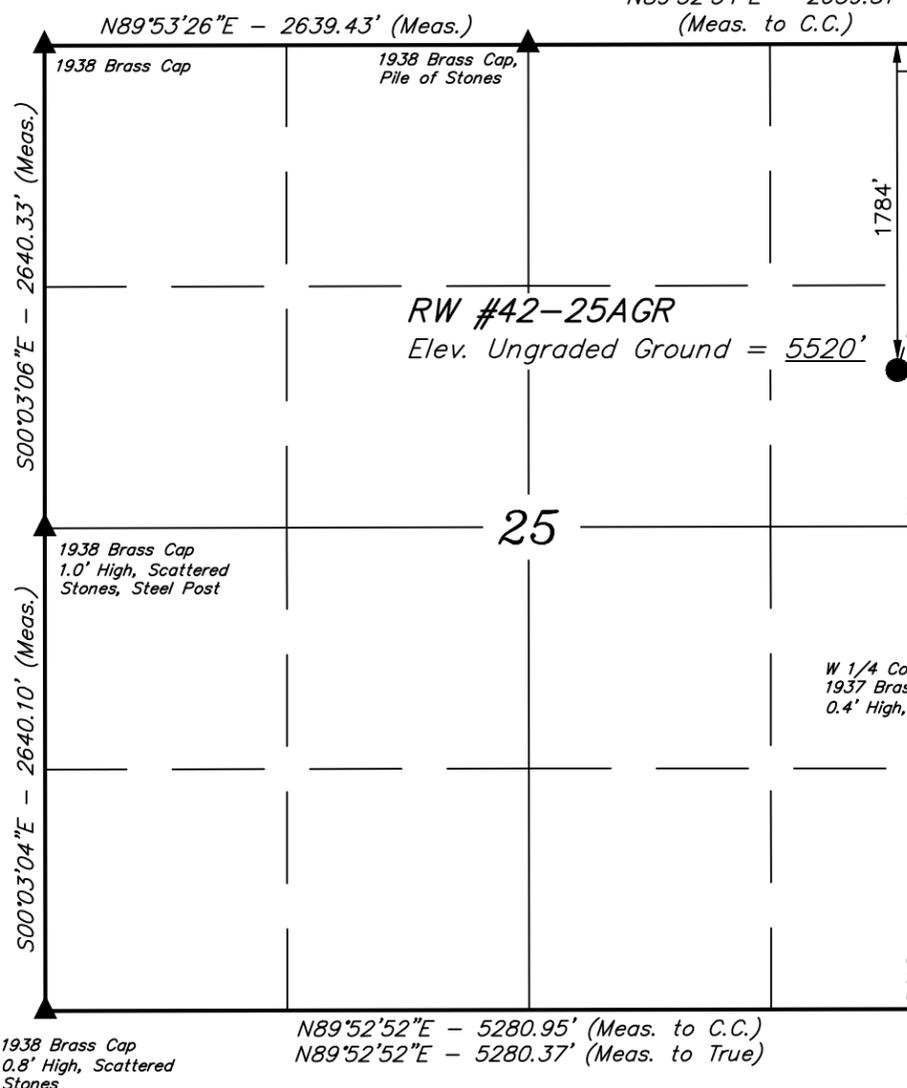
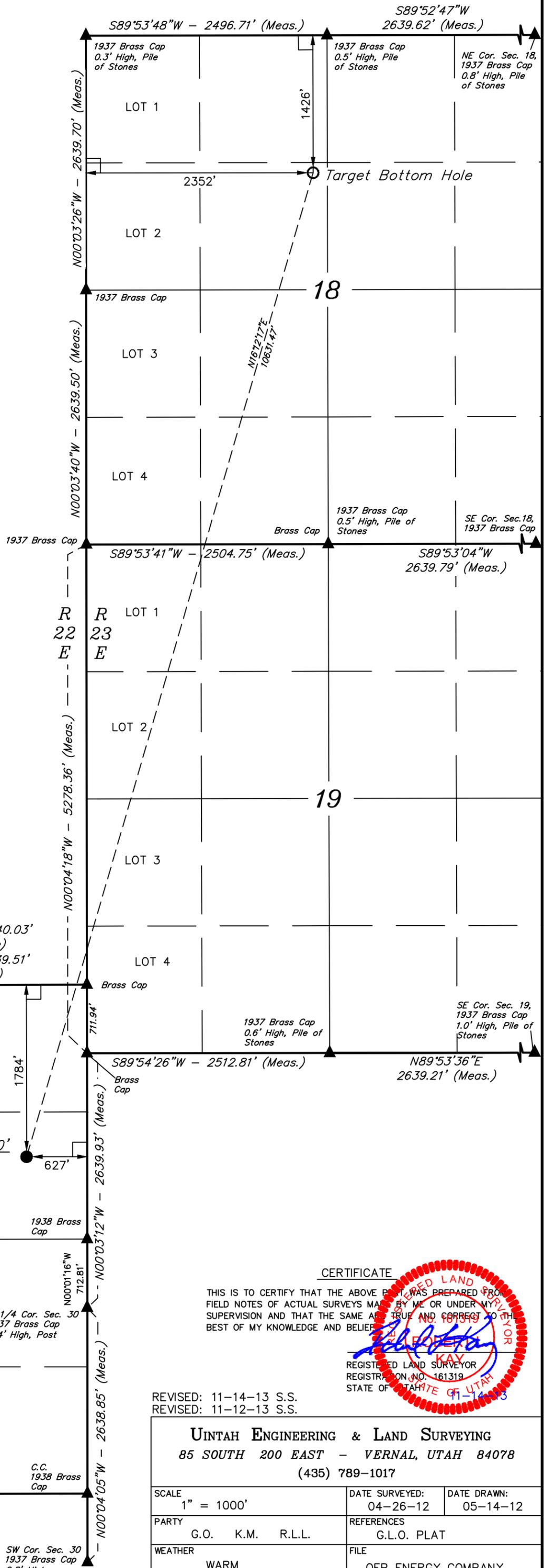
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°12'46.23" (40.212842)	LATITUDE = 40°11'05.41" (40.184836)
LONGITUDE = 109°22'13.64" (109.370456)	LONGITUDE = 109°22'52.04" (109.381122)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°12'46.36" (40.217667)	LATITUDE = 40°11'05.54" (40.184872)
LONGITUDE = 109°22'11.18" (109.369772)	LONGITUDE = 109°22'49.58" (109.380439)
STATE PLANE NAD 83	STATE PLANE NAD 83
N: 7253333.16 E: 2235076.22	N: 7243063.35 E: 2232339.96



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAN 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. 161319
 STATE OF UTAH

REVISED: 11-14-13 S.S.
 REVISED: 11-12-13 S.S.

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 04-26-12	DATE DRAWN: 05-14-12
PARTY G.O. K.M. R.L.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE QEP ENERGY COMPANY	

QEP Energy Company RW 42-25AGR

Summarized New Drill Lower Mesa Verde Horizontal Procedure

1. MIRU drilling rig.
2. Drill 12-1/4" hole to 4,100'.
3. RIH with 9-5/8" 40# N-80 casing to bottom.
4. Cement casing.
5. NU rig's 5,000 WP rated BOP.
6. Drill vertically to 11,032'.
7. TOOH and PU curve assembly.
8. TIH.
9. Build curve per directional plan to land in the Lower Mesa Verde.
10. LDDP.
11. RIH with 7" 29# P-110HC to 11,902'.
12. Cement casing.
13. PU 4" DP and lateral assembly.
14. Drill out cement.
15. Drill ~10,100' of lateral at ~16.28° azimuth, following formation dip.
 - a. Mud system to be Oil Based. Weights are expected to be in the 10.0 – 11.0 ppg range.
16. PU 4 1/2" 15.1# P-110HC CDC casing and run to 50' off bottom of the TD of 22,002'.
17. Cement casing.
18. ND BOP's.
19. RDMOL.

ONSHORE OIL & GAS ORDER NO. 1
 QEP ENERGY COMPANY
 RW 42-25AGR

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:

*This is a horizontal well:

<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Green River	3,073'	3,073'
Bird's Nest	3,473'	3,473'
Mahogany	4,050'	4,050'
Base of Mod Saline	5,446'	5,446'
Wasatch	6,575'	6,575'
Mesaverde	9,193'	9,193'
Kick Off Point	11,902'	11,902'
TD	12,133'	22,002'

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

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

<u>Substance</u>	<u>Formation</u>	<u>Depth, TVD</u>	<u>Depth, MD</u>
Oil/Gas	Green River	3,073'	3,073'
Oil/Gas	Wasatch	6,575'	6,575'
Oil/Gas	Mesaverde	9,193'	9,193'

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 42-25AGR

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 LaPoint Recycling and Storage in Section 12, T5S R19E of Uintah County, UT or Red Wash Disposal site; SESE, Section 28, T7S, R23E or West End Disposal Site; NESE, Section 28, T7S, R22E.

3. Operator's Specification for Pressure Control Equipment

- A. An 11" 5000 psi double ram with blind rams and pipe rams annular preventer and drilling spool or BOP with 2 side outlets.
- B. All BOP connections subject to pressure shall be flanged, welded or clamped.
- C. 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.
- D. Upper and Lower Kelly cock valves with handles and safety valve and subs to fit all drill string connections.
- E. IBOP or float sub available.
- F. Fill up line must be installed above the uppermost preventer.
- G. Ram type preventers and associated equipment shall be tested to 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 5M system and individual components shall be operable as designed.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 42-25AGR

4. Casing Program

Hole Size	Casing Size	Top, MD	Bottom, MD	Weight, lb/ft	Grade	Thread	Condition	MW
17-1/2"	14"	sfc	80'	Steel	Cond.	None	Used	Air
12 1/4"	9 5/8"	sfc	4,100'	40.0	N-80	LTC	New	8.8-9.3ppg
8 3/4"	7"	sfc	11,902'	29.0	P-110HC	LTC	New	9-10.5 ppg
6 1/8"	4 1/2"	sfc	21,952'	15.1	P-110HC	CDC	New	10-11.0 ppg

The lateral will be lined with casing 50' off bottom and cemented to surface.

Casing Strengths:				Collapse	Burst	Tensile (minimum)
9 5/8"	40.0 lb.	N-80	LTC	3,090 psi	5,750 psi	727,000 lb.
7"	29.0 lb.	P-110HC	LTC	9,750 psi	11,220 psi	797,000 lb.
4 1/2"	15.1 lb.	P-110HC	CDC	15,130 psi	14,420 psi	485,000 lb.

Please refer to the attached wellbore diagram for further details.

5. Cementing Program

14" Conductor:

Cement to surface with construction cement.

9-5/8" Surface Casing: SFC – 4,100' (MD)

Lead Slurry: Surface (TOC) – 3,600'. 632 sks (1,972 ft³) Halliburton Extendacem, 1 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake, Slurry Weight 11.0 ppg, 3.12 ft³/sk, 75% XS in open hole only.

Tail Slurry: 3,600' – 4,100'. 186 sx (274ft³) Halliburton Econocem, 0.2% HR-5 Retarder, 1.0 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake, Slurry Weight 13.5 ppg, 1.47 ft³/sk, 75% XS in open hole.

7" Intermediate Casing: sfc – 11,902' (MD)

Lead: Sfc – 8,693' 573 sks (1,686 cu ft) Halliburton ECONOCHEM V4+ 3 LBM/SK Kol-Seal (LCM) + 0.1% HR-800 (Retarder). Slurry Weight 11 lb/gal, Slurry Yield 2.94 ft³/sk, with 50% Excess

Tail Slurry: 8,693' – 11,902'. 486 sks (724 cu ft) Halliburton EXPANDACEM V3 + 0.2% HR-800 (Retarder) + 0.125 lbm/sk Poly-E-Flake (LCM) + 1 lbm/sk Granulite TR 1/4 (LCm). Slurry wt: 13.5 ppg, Slurry yield: 1.49 ft³/sk, with 50% excess.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 42-25AGR

4-1/2" Production Casing: sfc – 21,952' (MD)

Lead: Sfc – 8,693' 350 sks (853 cu ft) Halliburton ECONOCEM V4+ 3 LBM/SK Kol-Seal (LCM) + 0.1% HR-800 (Retarder). Slurry Weight 11.5 lb/gal, Slurry Yield 2.44 ft³/sk.

Tail Slurry: 8,693' – 21,952'. 1,062 sks (1,593 cu ft) Halliburton EXPANDACEM V3 + 0.6% HR-800 (Retarder) + 0.125 lbm/sk Poly-E-Flake (LCM) + 1 lbm/sk Granulite TR ¼ (LCm). Slurry wt: 13.5 ppg, Slurry yield: 1.50 ft³/sk, with 35% excess.

6. Auxilliary Equipment

- A. Kelly Cock – yes
- B. Float at the bit – Yes
- C. Monitoring equipment on the mud system – PVT/Flow Show
- D. Full opening safety valve on the rig floor – Yes
- E. Rotating Head – Yes
- F. Drilling below 14" Conductor will be done with water. Drilling below the 9-5/8" casing will be done with water based mud. Drilling below the 7" will be done with Oil Based Mud. Maximum anticipated mud weight is 11.0 ppg.
- G. No minimum quantity of weight material will be required to be kept on location.
- H. 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:
 - i. Mud logging from surface casing point to TD
 - ii. OH Logs: GR-SP-Induction, Neutron Density to be run in the intermediate section to KOP.
 - iii. 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: Lower Mesa Verde. Stimulation: stimulation will be designed for the particular area of interest encountered.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 42-25AGR

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated.

Maximum anticipated bottom hole pressure (approx, psi): 6,678

Maximum anticipated bottom hole temperature (approx, deg F): 210

H2S has not been encountered in other wells drilled to similar depths in the general area.

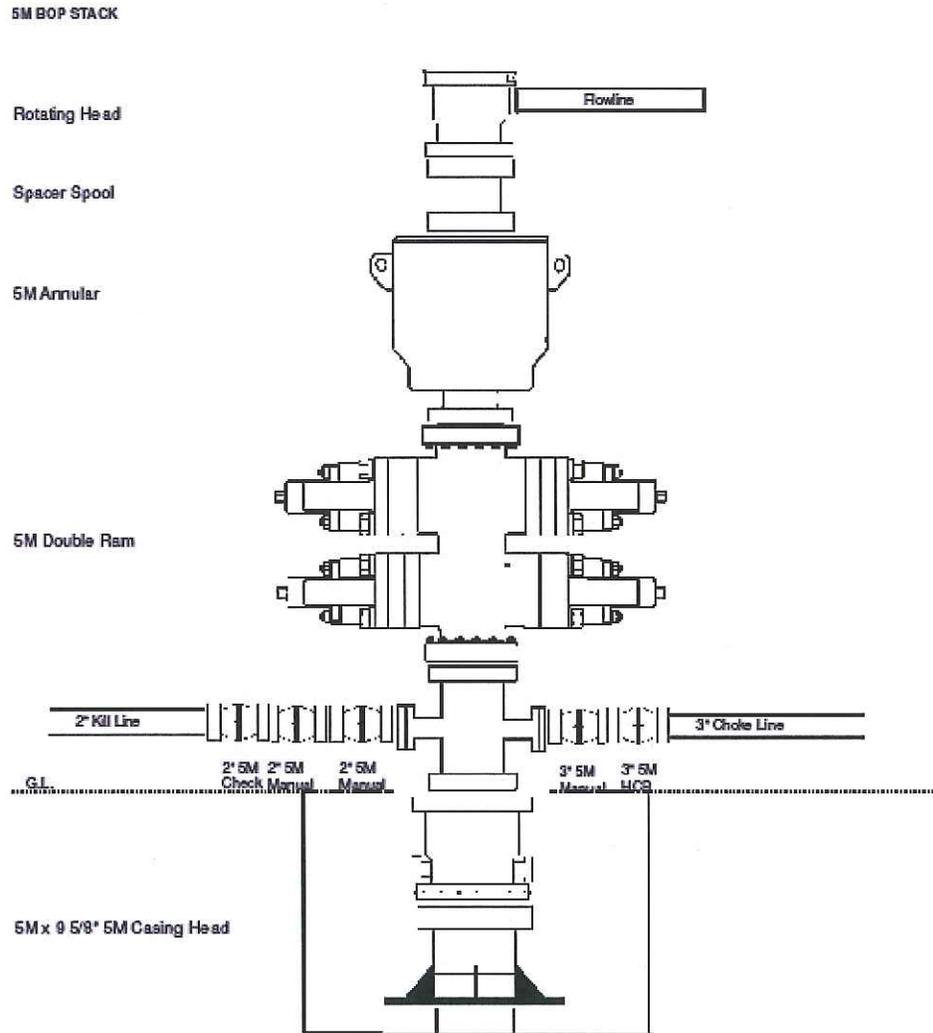
9. Additional Information For Oil Base Mud

- A. A reserve pit will be constructed for this location. This pit will be constructed so that a minimum of two vertical feet of freeboard exists above the top of the pit at all times and at least one-half of the holding capacity will be below ground level. The pit will be lined with a synthetic reinforced liner, 0.030" (0.75 mm +/-) thick, with sufficient bedding used to cover any rocks prior to putting any fluids into the pit. The pad will be designed so that runoff from adjacent slopes does not flow into the reserve pit. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. This cuttings pit will be used for oil based cuttings generated during drilling of the production hole.
- B. Oil-base mud will be mixed in the closed circulating system and transferred to one or more 400 bbl or 500 bbl tanks (as available) on location for storage prior to and after drilling operations. Drip pans will be installed below the rotary beams on the substructure and can be viewed on site from the cellar area. As the production section of the hole is drilled, the cuttings transported to the surface with the drilling fluid will be mechanically separated from the drilling fluid as waste by two shale-shakers and then cleaned/dried via a mud cleaner and/or centrifuge. These separated cuttings will be transferred to the cuttings pit nearest the shakers and stored in this cuttings pit for solidification after the rig is released and moved off location.
- C. The means to transport the cuttings from the solids control equipment to the OBM cuttings pit will be dictated by the size of the location:
- a. Option 1: By track-hoe or similar equipment from a cuttings bin to the cuttings pit.
 - b. Option 2: By 10" PVC pipe or equivalent steel piping. Water will be pumped to the solids control equipment and will convey the OBM cuttings from the solids control equipment to the OBM cuttings pit via the PVC pipe. The water will be recycled multiple times from the cuttings pit to continue to transport the cuttings to the cuttings pit. The conveyance system will be enclosed on the solids control end to prevent spills. The conveyance piping system at the cuttings pit end will be placed on top of pit liner to eliminate absorption of fluids into the soil.

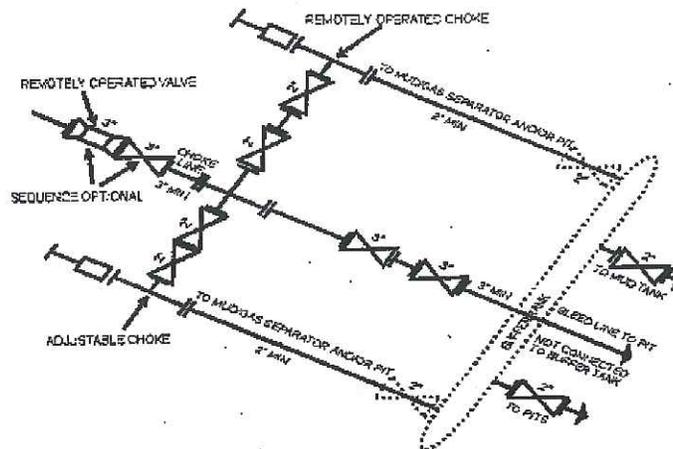
ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 42-25AGR

- D. Plastic material will underlay the rig, oil base mud/diesel storage tanks and mud pits. All tanks on location will be placed inside of berms. Any oily waste fluids and sediments generated at the work site during drilling operations or when cleaning the fluid containment system after drilling will also be placed into the cuttings pit.
- E. All rig ditches will be lined and directed to a lined sump for fluid recovery. A drip pan will be installed on the BOP stack, a mud bucket will be utilized as needed on connections and a vacuum system will be used on the rig floor for fluid recovery in those areas.
- F. Once all waste has been placed in the cuttings pit and all necessary approvals obtained, the oilfield waste management consultant Soli-Bond or a similar company will mobilize equipment and personnel to the site to perform the cement based solidification/stabilization process in-situ for encapsulation. Soil will be backfilled over the processed material used on the cuttings pit and will be returned to the existing grade bordering the pit.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 42-25AGR



ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 42-25AGR



5M CHOKES MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, CR 15M drawings, it would also be applicable to those situations.

[54 FR 39522, Sept. 27, 1989]

RW 42-25AGR

Updated 11-14-2014 CRA

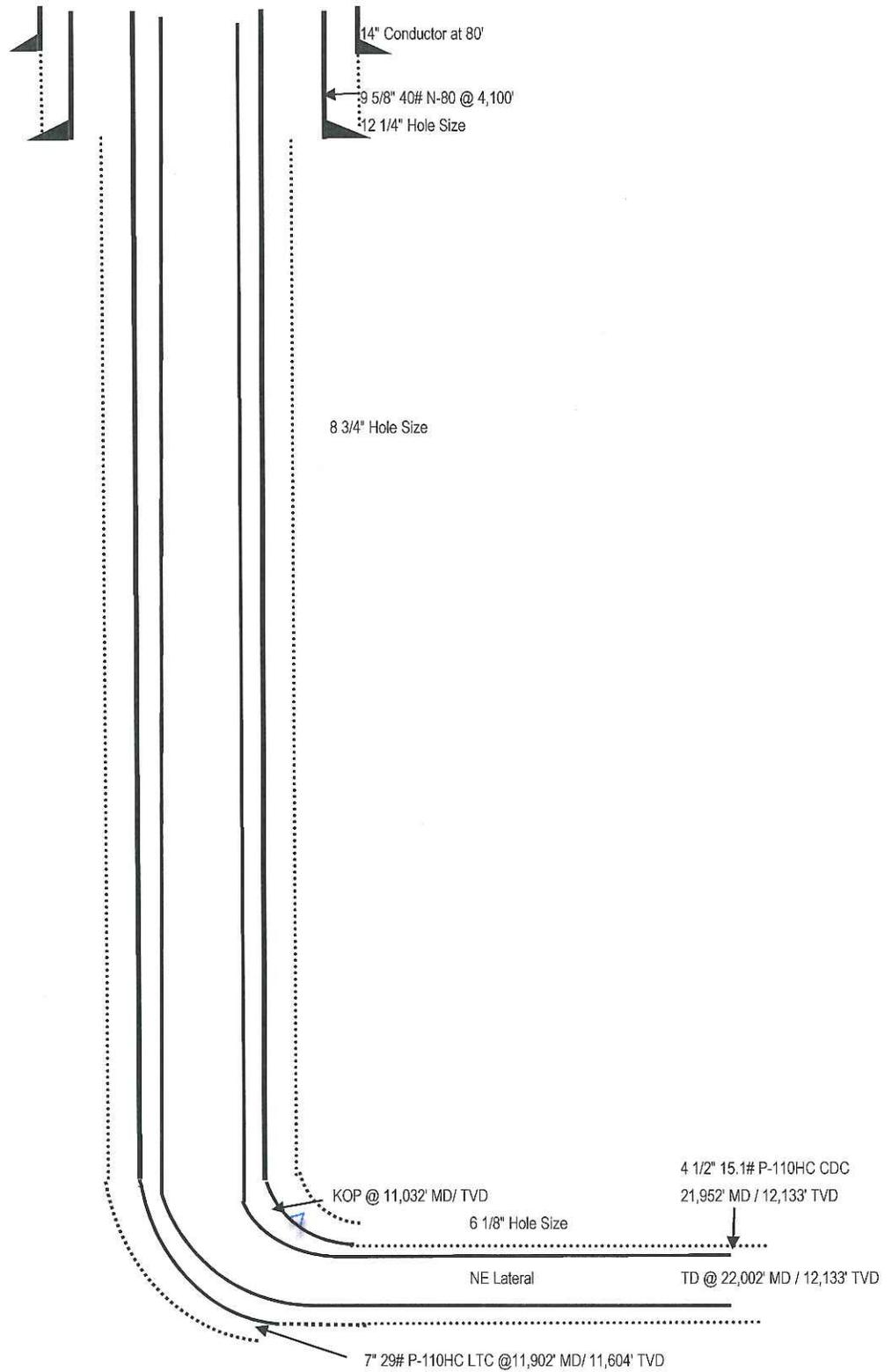
Proposed WBD

Uinta Basin

SHL: Sec 25-T7S-R22E, Uintah County, UT
BHL: Sec 18-T7S-R22E, Uintah County, UT

KB: 5,546'
GL: 5,516'

NOTE: NOT TO SCALE





QEP Energy Company

QEP ENERGY (UT)

**Red Wash
RW 42-25AGR
RW 42-25AGR**

Original Hole

Plan: Plan ver.0

Standard Planning Report

14 November, 2013



QEP Energy Company



QEP Resources, Inc.
Planning Report



Database:	Compass	Local Co-ordinate Reference:	Well RW 42-25AGR
Company:	QEP ENERGY (UT)	TVD Reference:	RKG @ 5545.80usft (SST 88)
Project:	Red Wash	MD Reference:	RKG @ 5545.80usft (SST 88)
Site:	RW 42-25AGR	North Reference:	True
Well:	RW 42-25AGR	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.0		

Project	Red Wash		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		Using geodetic scale factor

Site	RW 42-25AGR				
Site Position:		Northing:	7,243,063.373 usft	Latitude:	40.184836
From:	Lat/Long	Easting:	2,232,339.901 usft	Longitude:	-109.381122
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.36 °

Well	RW 42-25AGR					
Well Position	+N/-S	-0.02 usft	Northing:	7,243,063.350 usft	Latitude:	40.184836
	+E/-W	0.06 usft	Easting:	2,232,339.960 usft	Longitude:	-109.381122
Position Uncertainty		0.00 usft	Wellhead Elevation:	5,515.80 usft	Ground Level:	5,515.80 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/11/2013	10.74	65.98	52,201

Design	Plan ver.0			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	16.28

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,032.24	0.00	0.00	11,032.24	0.00	0.00	0.00	0.00	0.00	0.00	
11,902.24	87.00	16.28	11,604.42	521.21	152.18	10.00	10.00	0.00	16.28	
22,002.07	87.00	16.28	12,133.00	10,202.96	2,979.00	0.00	0.00	0.00	0.00	RW 42-25AGR

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
11,032.24	0.00	0.00	11,032.24	0.00	0.00	0.00	0.00	0.00	0.00	
11,902.24	87.00	16.28	11,604.42	521.21	152.18	542.97	10.00	10.00	0.00	
22,002.07	87.00	16.28	12,133.00	10,202.96	2,979.00	10,628.96	0.00	0.00	0.00	



QEP Resources, Inc.
Planning Report



Database:	Compass	Local Co-ordinate Reference:	Well RW 42-25AGR
Company:	QEP ENERGY (UT)	TVD Reference:	RKG @ 5545.80usft (SST 88)
Project:	Red Wash	MD Reference:	RKG @ 5545.80usft (SST 88)
Site:	RW 42-25AGR	North Reference:	True
Well:	RW 42-25AGR	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan ver.0		

Design Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(usft)		
- Shape									
RW 42-25AGR	0.00	0.00	12,133.00	10,202.96	2,979.00	7,253,333.160	2,235,076.220	40.212843	-109.370456
- plan hits target center									
- Point									

Casing Points						
Measured Depth	Vertical Depth	Name	Casing Diameter	Hole Diameter		
(usft)	(usft)		(")	(")		
4,100.00	4,100.00	9 5/8"	9-5/8	12-1/4		
11,902.24	11,604.42	7"	7	8-3/4		
22,002.07	12,133.00	4 1/2"	4-1/2	6-1/8		

Formations						
Measured Depth	Vertical Depth	Name	Lithology	Dip	Dip Direction	
(usft)	(usft)			(°)	(°)	
3,073.00	3,073.00	Green River fm				
3,473.00	3,473.00	Top of Birds Nest				
3,755.00	3,755.00	Base of Birds Nest				
4,050.00	4,050.00	Mahogany Bench				
5,446.00	5,446.00	Base of Mod Saline				
6,575.00	6,575.00	Wasatch				
9,193.00	9,193.00	Mesaverde		3.00	16.28	

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: UTU0561
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: RED WASH
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: RW 42-25AGR
2. NAME OF OPERATOR: QEP ENERGY COMPANY		9. API NUMBER: 43047536820000
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078		9. FIELD and POOL or WILDCAT: RED WASH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1784 FNL 0627 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 25 Township: 07.0S Range: 22.0E 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 type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 2/7/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. ON 2/7/2014- QEP ENERGY COMPANY SET 80' OF 14" CONDUCTOR PIPE AND CEMENTED WITH READY MIX.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 10, 2014		
NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 2/10/2014	

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP Rig Name/# SST RIG 88 Submitted By DAVID REID Phone Number 435-828-0396
Well Name/Number RED WASH 42-25AGR
Qtr/Qtr SENE Section 25 Township 7S Range 22E
Lease Serial Number UTU-0561
API Number 43-047-53682

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

Date/Time 2/7/2014 08:00 AM PM

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

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

Date/Time 2/7/2014 8:00 AM PM

BOPE

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

RECEIVED

FEB 04 2014

DIV. OF OIL, GAS & MINING

Date/Time ___ ___ AM PM

Remarks WE WILL DRILL AND SET 80' OF 14" CONDUCTOR WITH PETE MARTING ON FRIDAY 2/04/2014

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP Rig Name/# SST RIG 88 Submitted By
JIMMY KITTRELL Phone Number 435-828-0396
Well Name/Number RED WASH 42-25AGR
Qtr/Qtr SENE Section 25 Township 7S Range 22E
Lease Serial Number UTU-0561
API Number 43-047-53682

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 4/13/2014 03:00 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

CONFIDENTIAL

BLM - Vernal Field Office - Notification Form

Operator QEP Rig Name/# SST RIG 88 Submitted By
JIMMY KITTRELL Phone Number 435-828-0396
Well Name/Number RED WASH 42-25AGR
Qtr/Qtr SENE Section 25 Township 7S Range 22E
Lease Serial Number UTU-0561
API Number 43-047-53682

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 _ 6-5-20214 05:00 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 WILL RUN PRODUCTION CASING ON SST
88 @ 05:00 HRS ON 6/5/2014 AND CEMENT AFTER RUN
PPRODUCTION CASING

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: UTU0561
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME: RED WASH
2. NAME OF OPERATOR: QEP ENERGY COMPANY		8. WELL NAME and NUMBER: RW 42-25AGR
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078		9. API NUMBER: 43047536820000
PHONE NUMBER: 303 308-3068 Ext		9. FIELD and POOL or WILDCAT: RED WASH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1784 FNL 0627 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 25 Township: 07.0S Range: 22.0E 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 type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/29/2014	<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 checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

THIS WELL COMMENCED PRODUCTION ON JUNE 29, 2014 @ 1:00 P.M.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**
July 23, 2014

NAME (PLEASE PRINT) Benna Muth	PHONE NUMBER 435 781-4320	TITLE Regulatory Assistant
SIGNATURE N/A	DATE 7/1/2014	

CONFIDENTIAL

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:
UTU0561

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME
RED WASH

8. WELL NAME and NUMBER:
RW 42-25AGR

9. API NUMBER:
4304753682

10. FIELD AND POOL, OR WILDCAT
RED WASH

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SENE 25 7S 22E

12. COUNTY
UINTAH

13. STATE
UTAH

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

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

2. NAME OF OPERATOR:
QEP ENERGY COMPANY

3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078 PHONE NUMBER: (435) 781-4320

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: SEC. 25, SENE, 1,784' FNL, 627' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: SEC. 25, SENE, 1,784' FNL, 627' FEL
AT TOTAL DEPTH: SEC. 18, NESW, 1,420' FSL, 1,757'FWL

14. DATE SPURRED: 2/7/2014

15. DATE T.D. REACHED: 6/3/2014

16. DATE COMPLETED: 6/28/2014 ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): 5,520' GL

18. TOTAL DEPTH: MD 19,296 TVD 11,653

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 YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25	9.625 N-80	40	0	4,123		G 1,016	460	80	
8.75	7 P116	29	0	11,984		G 1,425	870		
6.125	4.5 HCP	15.1	0	19,282		1,149	377		

25. TUBING RECORD

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

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESA VERDE	11,935	19,142			11,935 19,142	.42	1,610	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
11,935 - 19,142	128,704 BBLs SLICKWATER; 58 BBLs 15% HCL
	236,256 LBS 100 MESH SAND; 39,872,288 LBS 30/50 SAND

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS OTHER: OPS SUMMARY

30. WELL STATUS:
PGW

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 6/29/2014		TEST DATE: 7/12/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 4	GAS - MCF: 3,442	WATER - BBL: 2,021	PROD. METHOD: FLOWS
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 4	GAS - MCF: 3,442	WATER - BBL: 2,021	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

SOLD

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	3,076
				MAHOGANY MARKER	3,954
				WASATCH	6,586
				MESA VERDE	9,161
				SEGO	11,598

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 8/12/2014

This report must be submitted within 30 days of

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

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

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

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
Fax: 801-359-3940



Daily Activity and Cost Summary

Well Name: RW 42-25AGR

API 43-047-53682		Surface Legal Location S25-T7S-R22E		Field Name RED WASH		County UINTAH		State UTAH		Well Configuration Type Horizontal	
Unique Well ID UT100212		Ground Elevation (ft) 5,515.8		Casing Flange Elevation (ft) 5,515.80		Current KB to GL (ft) 30.00		KB to CF (ft) 30.00		Spud Date 2/7/2014 06:00	
Job Category DRILLING		Primary Job Type AFE - DRL-DR (Drilling)				Secondary Job Type DEVELOPMENT				Objective	
Start Date 2/6/2014						Job End Date 9/18/2014					
Purpose											
Summary											

Contractor Pete Martin Drilling				RIG PETE MARTIN 1				Rig Type BUCKET RIG			
Contractor SST Energy				RIG SST 88				Rig Type ROTARY RIG			

RPT #	Start Date	Summary
1	2/6/2014	PRE SPUD COSTS
2	2/7/2014	DRILL AND SET CONDUCTOR
3	3/15/2014	PJSM RIG DOWN AND MOVE, SET MATT'S & RAILS,CAMPS, SET OFF DERRICK, LOAD OUT DRAW TOOL, PUMPS, 2 GENERATORS, PARTS HOUSES, AND MUD TANKS. PULL SUB SPREADERS.
4	3/16/2014	PJSM RIG DOWN AND MOVE, SUBS, BACK YARD, ONE MUD TANK, TRUCK CRANE & R/U. SET MUD PITS, MUD PUMPS, SCR HOUSE, BOTTOM SUBS, WELD ANGLE WINGS ON SUBS, WORKING ON MUD PUMP 12 HRS//WAIT ON DAYLIGHT 12 HRS// 100% RIGGED DOWN, 60% LOADED OUT, 25% RIGGED UP
5	3/17/2014	PJSM MOVE RIG & R/U, SUBS, BACK YARD, WELDER MODIFYING PIPE WORK ON NEW MUD PUMP, SUSPEND ALL CRANE OPERATIONS DUE TO HIGH WINDS @ 14:00 HRS MOVE 4" DRILL PIPE, SKID RAILS, MATT'S 12 HRS//WAIT ON DAYLIGHT 12 HRS// 100% RIGGED DOWN, 80% LOADED OUT, 60% RIGGED UP
6	3/18/2014	PJSM MOVE RIG & R/U, SUBS, BEAM, BRACES, ROTARY, DRILL PIPE SET BACK, FLOOR PLATE, SHAKER MANIFOLD, GAS BUSTER, WELDER MODIFYING PIPE WORK ON NEW MUD PUMP, ELECTRICIANS R/U POWER TO MUD PUMP, MOVE 4" DRILL PIPE, SKID RAILS, MATT'S, CLEAN UP OLD LOCATION, WAIT ON DRAWWORK, 12 HRS//WAIT ON DAYLIGHT 12 HRS// 100% RIGGED DOWN, 100% LOADED OUT, 65% RIGGED UP
7	3/19/2014	PJSM ,WELDER MODIFYING PIPE WORK ON NEW MUD PUMP, ELECTRICIANS R/U POWER TO MUD PUMP,CHANGE OUT BRIDLE SHEAVES AND BRIDDLE IN DERRICK, WAIT ON DRAWWORK, 12 HRS//WAIT ON DAYLIGHT 12 HRS// 100% RIGGED DOWN, 100% LOADED OUT, 70% RIGGED UP
8	3/20/2014	PJSM ,WELDER MODIFYING MUD LINES AND POP OFF ON NEW MUD PUMP, ,FINISH BRIDLE SHEAVES AND BRIDDLE IN DERRICK, CLEAN ON RIG, WAIT ON DRAWWORK, 12 HRS//WAIT ON DAYLIGHT 12 HRS// 100% RIGGED DOWN, 100% LOADED OUT, 80% RIGGED UP
9	3/21/2014	PJSM, INSTALL BRIDLE LINE IN DERRICK, SET DERRICK ON FLOOR, SET DRAWWORKS, DOG HOUSE AND RAISE A -LEGS, STRING UP BLOCKS, SET OBM FARM IN BACK YARD, RAISE DERRICK SET FLOOR PLATES AND PICK UP TOPDRIVE, CONTIOUE GENERAL RIG UP RUN ELETRICAL AND PASON LINES
10	3/22/2014	FINISH RIGGING UP TOP DRIVE AND FLOOR,NIPPLE UP FLOW LINE AND CENTER WITH TURN BUCKLES, INSTALL SCAFFOLING IN SUB, FINISH RUNNING PASON AND ELETRICAL LINES AND GO OVER PRE-SPUD CHECK LIST, PICK UP DIR TOOLS, PRESSURE TEST NEW PUMPS TIGHTEN LEAKS
11	3/23/2014	DRILL FROM 110' TO 224', TRIP OUT AND PICK UP 3-6" DRILL COLLARS, DRILL FROM 224' TO 2672,CONNECTIONS AND SURVEYS
12	3/24/2014	DRILL FROM 2672' TO 3052', PERFORM WIPER TRIP TO 940', DRILL FROM 3052' TO 3180', PULL 3 STANDS & CHANGE SWIVEL PACKING, DRILL FROM 3180' TO 3687, SURVEYS AND CONNECTIONS
13	3/25/2014	DRILL FROM 3687' TO 4022, CIRCULATE SWEEP, WIPER TRIP BACK TO BHA, DRILL FROM 4022' TO 4123, CIRCULATE HI VIS SWEEP, TRIP OUT TO RUN SURFACE CASING
14	3/26/2014	TRIP OUT AND LAYDOWN DIRECTIONAL TOOLS, RIG UP CASING CREW AND RUN 91 JOINTS OF 9 5/8" SURFACE CASING, CIRCULATE FOR CEMENT, RIG UP AND CEMENT CASING, PRESSURE TEST SURFACE CASING, RUN CEMENT TOP JOB, WAIT ON CEMENT
15	3/27/2014	WAIT ON CEMENT, RUN CEMENT TOP OUT JOB #2, RIG DOWN CEMENTERS, CUT OFF CASING WELD ON WELL HEAD, NIPPLE UP BOP, PRESSURE TEST BOP,
16	3/28/2014	TEST BOP, SET WEAR BUSHING, CUT DRILL LINE, PICK UP DIRECTIONAL TOOLS, TRIP IN HOLE, DRILL SHOE TRACK, FIT TEST, DRILL FROM 4123' TO , SURVEYS AND CONNECTIONS
17	3/29/2014	DRILL FROM 5217' TO 5947' , ROUTINE RIG SERVICE, DRILL FROM 5947' TO 6422 , SURVEYS AND CONNECTIONS
18	3/30/2014	DRILL FROM 6422' TO 6960', ROUTINE RIG SERVICE, DRILL FROM 6960' TO 7466, SURVEYS AND CONNECTIONS
19	3/31/2014	DRILL FROM 7466' TO 8354 , SURVEYS AND CONNECTIONS
20	4/1/2014	DRILL FROM 8354 TO 8512, ROUTINE RIG SERVICE, DRILL FROM 8512' TO 8750, CIRCULATE FOR TRIP MIX PILL, TRIP OUT FOR BIT AND MOTOR
21	4/2/2014	TRIP OUT. CHANGE BIT/MTR & SCRIBE. TRIP IN. TEST MWD @ SHOE. FILL EVERY 25 STDS. SAFETY WASH 8630-8750. DIRECTIONAL DRILL F/8750 T/9336. SURVEYS & CONNECTIONS.



Daily Activity and Cost Summary

Well Name: RW 42-25AGR

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal
Unique Well ID UT100212	Ground Elevation (ft) 5,515.8	Casing Flange Elevation (ft) 5,515.80	Current KB to GL (ft) 30.00	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00
Dry Hole TD Date 6/9/2014 06:00					

RPT #	Start Date	Summary
22	4/3/2014	DIRECTIONAL DRILL F/ 9336 T/ 10,140. REPAIR TOP DRIVE. SURVEYS & CONNECTIONS.
23	4/4/2014	DIRECTIONAL DRILL F/ 10,140 T/ 10,550. CIRCULATE BTMS UP. WIPER TRIP INTO SHOE. CIRCULATE BTMS UP. TRIP OUT FOR LOGS.
24	4/5/2014	TRIP OUT. L/D DIRECTIONAL TOOLS. PJSM. WIRELINE LOG. P/U TOOLS & TEST. TRIP IN HOLE. FILL EVERY 20 STDS. SAFETY WASH 10,348-10,550. DIRECTIONAL DRILL 10,550-10633.
25	4/6/2014	DIRECTIONAL DRILL 10,550-10,838. REPAIR PUMP. SERVICE RIG. SURVEYS & CONNECTIONS.
26	4/7/2014	DIRECTIONAL DRILL 10,838-11,122. SERVICE RIG. SURVEYS & CONNECTIONS.
27	4/8/2014	DIRECTIONAL DRILL 11,122-11,360. SERVICE RIG. SURVEYS & CONNECTIONS. RESET TOP DRIVE SCR.
28	4/9/2014	DIRECTIONAL DRILL 11,360-11,398. CIRCULATE. PUMP PILL. TRIP OUT. CHANGE OUT BIT, MTR & MWD. TEST MWD. TRIP IN TO SHOE. FILL EVERY 20 STDS. CUT DRLG LINE. CIRCULATE BTMS UP.
29	4/10/2014	DIRECTIONAL DRILL 11,398- 11,603. SERVICE RIG. REPLACE DRILLERS PASON WORK STATION. SURVEYS & CONNECTIONS.
30	4/11/2014	DIRECTIONAL DRILL 11,603-11,890. SERVICE RIG. SURVEYS & CONNECTIONS.
31	4/12/2014	DIRECTIONAL DRILL 11,890-11,995. SERVICE RIG. SURVEYS & CONNECTIONS. CIRCULATE BTMS UP . SHORT TRIP TO SHOE.
32	4/13/2014	TRIP IN. WASH & REAM 11,424-11,995. CIRCULATE. SHORT TRIP TO 10,525. CIRCULATE & SPOT WALNUT. TRIP OUT TO 11,525. PJSM. RIG UP WEATHERFORD L/D UNIT. LAY DOWN DRILL STRING & DIRECTIONAL TOOLS. WAIT ON ORDERS. P/U DIRECTIONAL TOOLS.
33	4/14/2014	P/U DIRECTIONAL TOOLS & SWDP. P/U 4.5" DP. FILL EVERY 2000 FT. WASH & REAM 11,470-11,995. CIRCULATE. SHORT TRIP TO 10,900. CIRCULATE.
34	4/15/2014	SPOT WALNUT & PUMP DRY JOB. TRIP OUT 16 STDS TO 10,400. PJSM. L/D DRILL STRING & DIRECTIONAL TOOLS. PULL WEAR BUSHING & CLEAR FLOOR. PJSM. RIG UP CASING CREW & VOLANT TOOL. RUN 7" CASING.
35	4/16/2014	RUN 7" INTERMEDIATE CASING WASH LAST 13 JOINTS TO BOTTOM, CIRCULATE FOR CEMENT, RIG UP CEMENTERS AND CEMENT INTERMEDIATE CASING
36	4/17/2014	CUT OFF 7" CASING, SET BOP AND NIPPLE UP CLEAN MUD TANKS, PRESSURE TEST BOP FLOOR VALVES AND CHOKE MANIFOLD. PICK UP DIRECTIONAL TOOLS AND TEST. PICK UP 4" DRILL PIPE
37	4/18/2014	PICK UP 4" DRILL STRING, RIG DOWN LAYDOWN TRUCK, SLIP AND CUT DRILL LINE, DRILL SHOE TRACK AND 10' NEW FORMATION, FIT TEST TO 13#, DRILL FROM 12,005' TO 12110'
38	4/19/2014	DRILL FROM 12110' TO 12212' , RIG SERVICE AND SURVEYS AND CONNECTIONS
39	4/20/2014	DRILL FROM 12212' TO 12302, CIRCULATE AND CONDITION HOLE FOR TRIP. TRIP OUT AND PICK UP TURBINE. TRIP IN HOLE WITH TURBINE AND BIT #8
40	4/21/2014	TRIP IN HOLE WITH TURBINE AND IMPREG BIT, REAM FROM 12050 TO 12302, DRILL FROM 12302 TO 12407
41	4/22/2014	DRILL FROM 12407' TO 12479, ROUTINE RIG SERVICE, DRILL FROM 12479' TO 12545, CONNECTIONS AND SURVEYS
42	4/23/2014	DRILL FROM 12545' TO 12643' ROUTINE RIG SERVICE. DRILL FROM 12643' TO 12727', CONNECTIONS AND SURVEYS
43	4/24/2014	DRILL FROM 12727' TO 12770'. T.O.O.H ,LAY DOWN TURBINE AND PICK UP MOTOR AND NEW BIT. T.I.H.
44	4/25/2014	REAM TO BOTTOM WORK TIGHT HOLE @ 12717' HOLE PACKING OFF, DOWN LINK TO MWD TOOL, DRILL FROM 12770' TO 12863, TROUBLE SHOT MWD, CIRCULATE BOTTOMS UP AND TRIP OUT OF FOR MWD FAILURE, LAY DOWN NATIVE DIRECTIONAL TOOLS
45	4/26/2014	PICK UP CV-260 MWD TOOL SCRIBE AND ORIENT, TEST MWD AT SURFACE, TRIP IN HOLE. DIRECTIONAL DRILL F/12863 T/13050
46	4/27/2014	DRILL FROM 13050' TO 13356 , ROUTINE RIG SERVICE, DRILL FROM 13356 T/13458. CIRC BOTTOMS UP AND TRIP OUT OF HOLE FOR BIT
47	4/28/2014	TRIP OUT OF HOLE. CHANGE MOTOR, BIT & MWD TOOL, TEST TOOLS AT SURFACE, TRIP IN HOLE TO CSAING SHOE, SLIP AND CUT DRILL LINE, T.I.H, REAM F/12845 TO BOTTOM, DRILL F/13458 T/13570
48	4/29/2014	DRILL FROM 13570 TO 13664, ROUTINE RIG SERVICE, DRILL FROM 13664 TO 13883
49	4/30/2014	DIRECTIONAL DRILL F/ 13,883 T/ 13,892. TRIP OUT. CHANGE BIT & MTR. TRIP IN. FILL EVERY 35 STDS. TEST MWD @ SHOE. NO TEST. PRESSURING UP. TRIP OUT FOR MWD.
50	5/1/2014	TRIP OUT. CHECKED MTR & MWD. FLOAT HAD BENT PLUNGER. CHANGE MWD. TRIP IN TO SHOE. PRESSURE INCREASE AFTER PUMPING 1100 STROKES. CIRCULATE BTMS UP. TRIP OUT. CHECK BIT, MTR , FLOAT & MWD. CHANGE OUT MWD. TRIP IN.
51	5/2/2014	TRIP IN HOLE. WASH & REAM 13,750-13,892. DIRECTIONAL DRILL 13,892-13,998. SERVICE RIG. SURVEYS & CONNECTIONS.
52	5/3/2014	DIRECTIONAL DRILL 13,998-14,155. SERVICE RIG. REPAIR CROWN SAVER. SURVEYS & CONNECTIONS..



Daily Activity and Cost Summary

Well Name: RW 42-25AGR

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal	
Unique Well ID UT100212	Ground Elevation (ft) 5,515.8	Casing Flange Elevation (ft) 5,515.80	Current KB to GL (ft) 30.00	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00	Dry Hole TD Date 6/9/2014 06:00

RPT #	Start Date	Summary
53	5/4/2014	DIRECTIONAL DRILL 14,155-14,177. TRIP OUT FOR EXCESSIVE PRESSURE. REPLACE COVER ON SERVICE LOOP. CHANGE MWD, MTR & BIT. P/U IBS. SCRIBE & TEST. TRIP IN FILL @ 4000, 8000 & 12080. CUT DRLG LINE.
54	5/5/2014	TRIP IN HOLE. WASH & REAM 14,075-14,177. WASH BTM. START BIT. DIRECTIONAL DRILL 14,177 - 14,470. SURVEYS & CONNECTIONS.
55	5/6/2014	DIRECTIONAL DRILL 14,470-14,527. LOST 60 BBL MUD. TRIP OUT 10 STDS. RAISE LCM TO 10%. TRIP IN. DIRECTIONAL DRILL 14,527-14,569 WITH VARYING FLOW & LOSSES. MIXING LCM. SHAKERS BYPASSED. PRESSURE INCREASE. WEAK MWD PULSES. MIX & SPOT 40 BBL OF 20% LCM. PUMP PILL. TRIP OUT OF HOLE.
56	5/7/2014	L/D MTR & MWD. P/U APS TOOL, MTR, MWD & SCRIBE. ATTEMPT TO TEST. PRESSURING UP. CHANGE TOOL & TRY AGAIN. L/D APS & P/U PULSE TOOL & TEST. TRIP IN HOLE. FILL EVERY 25 STDS. TEST MWD @ 4400, 8000 & 12,000. WASH 14,405-14,569. DIRECTIONAL DRILL F/ 14,569 T/ 14,599 . SURVEYS & CONNECTIONS
57	5/8/2014	DIRECTIONAL DRILL 14,599-15,035.RIG SERVICE. SURVEYS & CONNECTIONS.
58	5/9/2014	DIRECTIONAL DRILL 14,535-15,230. RIG SERVICE. SURVEYS & CONNECTIONS.
59	5/10/2014	DIRECTIONAL DRILL 15,230-15,419 . RIG SERVICE. SURVEYS & CONNECTIONS.
60	5/11/2014	DIRECTIONAL DRILL 15,419-15,650 . RIG SERVICE. SURVEYS & CONNECTIONS.
61	5/12/2014	DIRECTIONAL DRILL 15,650- 15,792 . RIG SERVICE. SURVEYS & CONNECTIONS. CHECK FLOW @ 15,792. CIRCULATE BTMS UP. SPOT LCM PILL. TRIP OUT. L/D DIRECTIONAL TOOLS. CLEAN FLOOR. PULL WEAR BUSHING.
62	5/13/2014	TEST BOPE. 250/5000. ANNULAR 250/2500.INSTALL WEAR BUSHING. P/U & ORIENT TOOLS. TRIP IN HOLE. P/U AGITATOR. TEST MWD @ 2000 & 4000. HIGH PRESSURES. TRIP OUT. CHECK BIT, MTR,FLOAT & ABL SUB, CHANGE OUT MTRS.
63	5/14/2014	P/U DIRECTIONAL TOOLS AND TEST, TRIP IN HOLE CHECKING PRESSURE EVERY 2,000', CIRCULATE BOTTOMS UP AT SHOE, TRIP IN HOLE, SAFETY REAM 119' TO BOTTOM, DOWN LINK TO MWD, DRILL FROM 15792' TO 15850
64	5/15/2014	DRILL FROM 15850' TO 15956', ROUTINE RIG SERVICE, DRILL FROM 15956 TO 16209, CONNECTIONS AND SURVEYS
65	5/16/2014	DRILL FROM 16209' TO 16420', ROUTINE RIG SERVICE, DRILL FROM 16209' TO16460 , TROUBLE SHOOT MWD, DRILL FROM 16460 TO 16554 , CONNECTIONS AND SURVEYS
66	5/17/2014	DRILL FROM 16554' TO 16612', ROUTINE RIG SERVICE, DRILL FROM 16612' TO 16820 , CONNECTIONS AND SURVEYS
67	5/18/2014	DRILL FROM 16820' TO 16940', ROUTINE RIG SERVICE, DRILL FROM 16940' TO 17089 , CONNECTIONS AND SURVEYS
68	5/19/2014	DRILL FROM 17089' TO 17116', ROUTINE RIG SERVICE, DRILL FROM 17116' TO 17403, SURVEYS AND CONNECTIONS
69	5/20/2014	DRILL FROM 17403' TO 17435, ROUTINE RIG SERVICE, DRILL FROM 17435' TO 17444' QEP SAFETY STAND DOWN, DRILL FROM 17444' TO 17494 , CIRCULATE BOTTOMS UP PUMP TRIP SLUG, TRIP OUT OF HOLE FOR BIT & MOTOR, PUMP ECD PILL AT SHOE, CUT DRILL LINE,
70	5/21/2014	CUT DRILL LINE AND CHANGE SWIVEL PACKING, WAIT ON TOPDRIVE MECHANIC, REPAIR TOPDRIVE, TRIP OUT, CHANGE BIT AND MOTOR, SCRIBE AND ORIENT MWD, TRIP IN HOLE PICK UP AGITATOR, TEST MWD EVERY 2000', CIRCULATE BOTTOMS UP @ SHOE, 12058'
71	5/22/2014	TRIP IN HOLE, WASH 125' TO BOTTOM, DRILL FROM 17494' TO 17527', LOST 80% RETURNS CIRCULATE MIX LCM, SPOT LCM PILL TRIP OUT 10 STANDS, CIRCULATE AND CONDITION MUD BUILD VOLUME, TRIP IN HOLE WASH TO BOTTOM, DRILL FROM 17527' TO , SURVEYS AND CONNECTIONS
72	5/23/2014	DRILL FROM 17,584' TO 17695' CONNECTION AND SURVEYS, DRILL FROM 17695 TO 17710, TROUBLE SHOOT MWD, DRILL FROM 17710' TO 17866' SURVEYS AND CONNECTIONS
73	5/24/2014	DRILL FROM 17866' TO 18085', ROUTINE RIG SERVICE, DRILL FROM 18085' TO 18243 CONNECTIONS AND SURVEYS
74	5/25/2014	DRILL FROM 18243' TO 18337', ROUTINE RIG SERVICE, DRILL FROM 18337' TO 18587, CONNECTIONS AND SURVEYS
75	5/26/2014	CIRCULATE PUMP LCM SWEEPS TO REGAIN CIRCULATION, TRIP OUT 10 STANDS, CONDITION MUD BUILD VOLUME RAISE LCM TO 6% BYPASS SHAKERS, TRIP IN HOLE, DRILL FROM 18587' TO 18622, TROUBLE SHOOT MWD, SPOT LCM SWEEP PUMP PILL, TRIP OUT FOR MWD TOOL
76	5/27/2014	TRIP OUT FOR MWD, CHANGE BIT AND MOTOR, TRIP IN HOLE, CIRCULATE BOTTOMS UP AT SHOE, TRIP IN HOLE TO 15640', CIRCULATE BOTTOMS UP, TRIP IN HOLE, WASH LAST 200' TO BOTTOM, RE-LOG GAMMA FROM 18594' - 18622', CIRCULATE OUT TRIP GAS, DRILL FROM 18622' TO 18719, CONNECTIONS AND SURVEYS



Daily Activity and Cost Summary

Well Name: RW 42-25AGR

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal
Unique Well ID UT100212	Ground Elevation (ft) 5,515.8	Casing Flange Elevation (ft) 5,515.80	Current KB to GL (ft) 30.00	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00
Dry Hole TD Date 6/9/2014 06:00					

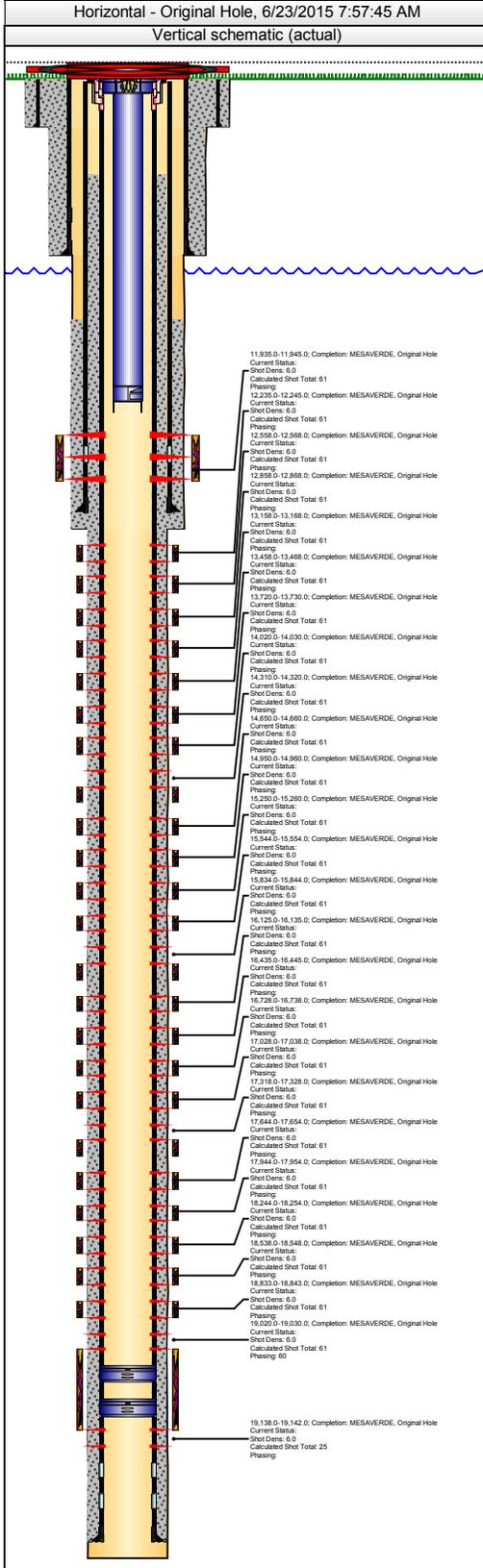
RPT #	Start Date	Summary
77	5/28/2014	DIRECTIONAL DRILL 18,719-18,908. RIG SERVICE. SURVEYS & CONNECTIONS. MWD FAILURE @ 18,901. CHECK SURFACE EQUIPMENT. PUMP CLEAN SWEEP. PUMP PILL. TRIP OUT.
78	5/29/2014	TRIP OUT. L/D HALLIBURTON TOOLS. SERVICE RIG & TOP DRIVE. TEST BOPE. P/U PHOENIX TOOLS. TRIP IN HOLE.
79	5/30/2014	TRIP OUT OF HOLE FOR MWD.. SERVICE RIG. REPLACE HYD HOSE ON TOP DRIVE. CHANGE OUT MWD. PRESSURING UP. CHECK PRESSURES WITH MWD/WITHOUT MWD. WITH MTR/WITH OUT MTR. CLEAN MUD TANKS & PUMP SUCTIONS. SHAKE OUT LCM. P/U MWD & TEST.
80	5/31/2014	TRIP IN HOLE. BREAK CIRCULATION & TEST MWD @ 2540,4043,8025. CIRCULATE BTMS UP @ 12,025. CLEAN #1 PUMP SUCTION. TRIP IN TO 14,025. CIRCULATE (LOSING .8 BBL/HR). TRIP IN TO 15,525. PUMP 30 BBL SWEEP WITH 5 LB/BBL MULTISEAL (LOST 4 BBL). TRIP IN HOLE TO 18,651. WASH & REAM 18,561-18,908. START BIT. DIRECTIONAL DRILL F/ 18,908 T/ 18,945. NO LOSSES. SURVEYS & CONNECTIONS.
81	6/1/2014	DIRECTIONAL DRILL 18,945-19,168 . RIG SERVICE . CONNECTIONS & SURVEYS.
82	6/2/2014	DIRECTIONAL DRILL 19168-19256, RIG SERVICE, CONNECTIONS AND SURVEYS
83	6/3/2014	DIRECTIONAL DRILL 19256-19296, RIG SERVICE, CONNECTIONS AND SURVEYS, CIRCULATE AND CONDITION, SHORT TRIP
84	6/4/2014	TRIP, CIRCULATE, LAY DOWN DRILL STRING
85	6/5/2014	LAY DOWN DRILL STRING, RIG UP CASING CREW, TORQUE TURN, VALANT TOOL, RUN CASING
86	6/6/2014	RUN CASING, RIG UP CRT
87	6/7/2014	RUN CASING, CIRCULATE, CEMENT, CLEAN TANKS AND NIPPLE DOWN
88	6/8/2014	CLEAN TANKS AND RIG DOWN, PREPARE FOR TRUCKS



Perforations

Well Name: **RW 42-25AGR**

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal
Unique Well ID UT100212	Gr Elev (ft) 5,515.8	Current Elevation 5,545.80, SST 88 - KB 30	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00	Dry Hole TD Date 6/9/2014 06:00
					Total Depth (All) (ft, KB) Original Hole - 19,296.0



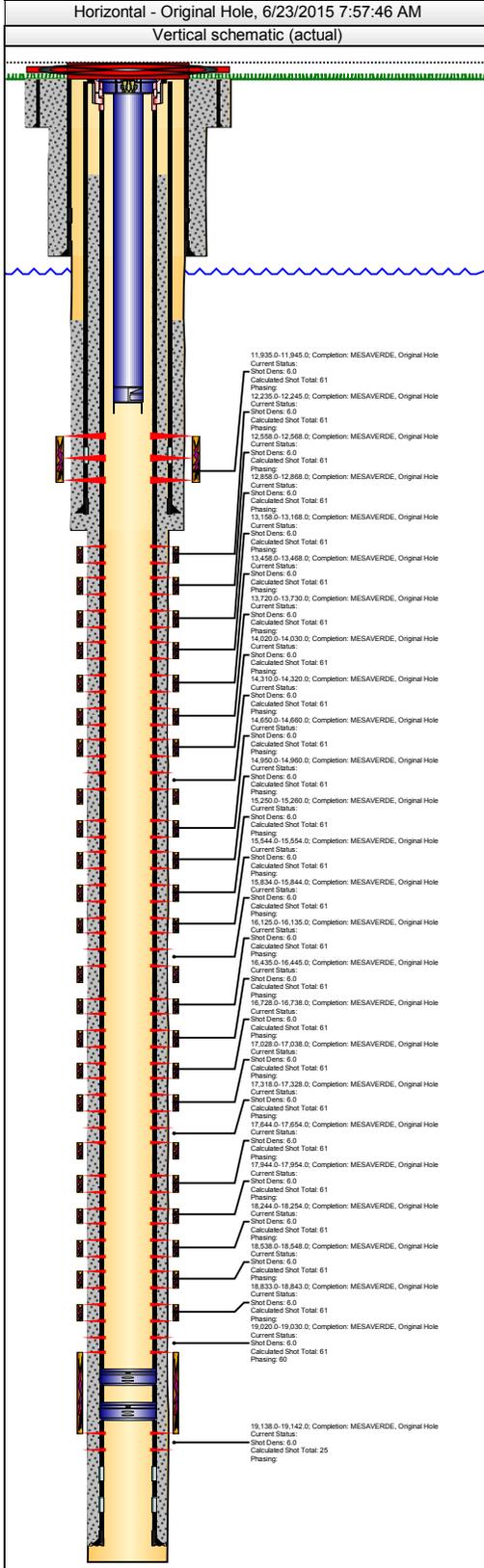
Perforations					
Date	6/28/2014	Completion	MESAVERDE, Original Hole	Top Depth (ft, KB)	11,935.0
Perforation Company		Conveyance Method		Gun Size (in)	
Shot Density (shots/ft)	6.0	Charge Type		Phasing (°)	
Orientation	Orientation Method				
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)	P Surf Init (psi)	P Final Surf (psi)
Reference Log					
Calculated Shot Total					61
Perforation Statuses					
Date	6/28/2014	Completion	MESAVERDE, Original Hole	Top Depth (ft, KB)	12,235.0
Perforation Company		Conveyance Method		Gun Size (in)	
Shot Density (shots/ft)	6.0	Charge Type		Phasing (°)	
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					61
Perforation Statuses					
Date	6/27/2014	Completion	MESAVERDE, Original Hole	Top Depth (ft, KB)	12,558.0
Perforation Company		Conveyance Method		Gun Size (in)	
Shot Density (shots/ft)	6.0	Charge Type		Phasing (°)	
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					61
Perforation Statuses					
Date	6/27/2014	Completion	MESAVERDE, Original Hole	Top Depth (ft, KB)	12,858.0
Perforation Company		Conveyance Method		Gun Size (in)	
Shot Density (shots/ft)	6.0	Charge Type		Phasing (°)	
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					61



Perforations

Well Name: **RW 42-25AGR**

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal
Unique Well ID UT100212	Gr Elev (ft) 5,515.8	Current Elevation 5,545.80, SST 88 - KB 30	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00	Dry Hole TD Date 6/9/2014 06:00
Horizontal - Original Hole, 6/23/2015 7:57:46 AM			Total Depth (All) (ft, KB) Original Hole - 19,296.0		



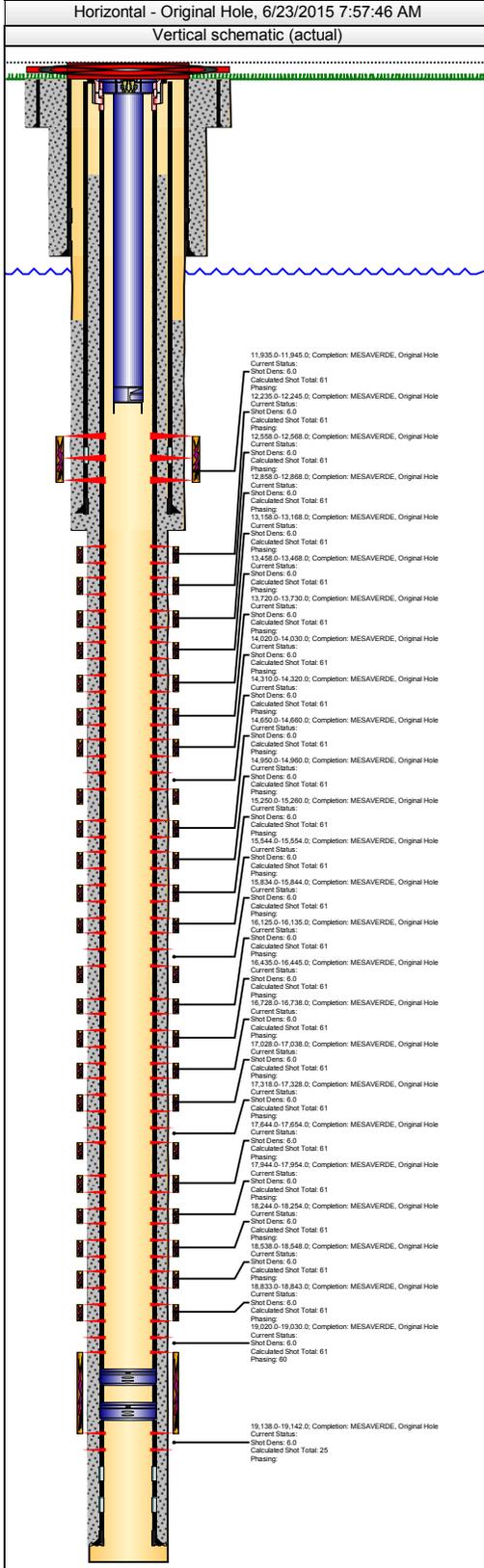
Perforation Statuses					
Date	Status	Com			
6/27/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 13,158.0	Bottom Depth (ft, KB) 13,168.0		
Perforation Company		Conveyance Method	Gun Size (in)	Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)		
Orientation			Orientation Method		
Over/Under 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 61					
Perforation Statuses					
Date	Status	Com			
6/26/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 13,458.0	Bottom Depth (ft, KB) 13,468.0		
Perforation Company		Conveyance Method	Gun Size (in)	Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)		
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 61					
Perforation Statuses					
Date	Status	Com			
6/26/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 13,720.0	Bottom Depth (ft, KB) 13,730.0		
Perforation Company		Conveyance Method	Gun Size (in)	Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)		
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 61					
Perforation Statuses					
Date	Status	Com			
6/26/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 14,020.0	Bottom Depth (ft, KB) 14,030.0		
Perforation Company		Conveyance Method	Gun Size (in)	Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)		
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 61					



Perforations

Well Name: **RW 42-25AGR**

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal
Unique Well ID UT100212	Gr Elev (ft) 5,515.8	Current Elevation 5,545.80, SST 88 - KB 30	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00	Dry Hole TD Date 6/9/2014 06:00
Horizontal - Original Hole, 6/23/2015 7:57:46 AM			Total Depth (All) (ft, KB) Original Hole - 19,296.0		



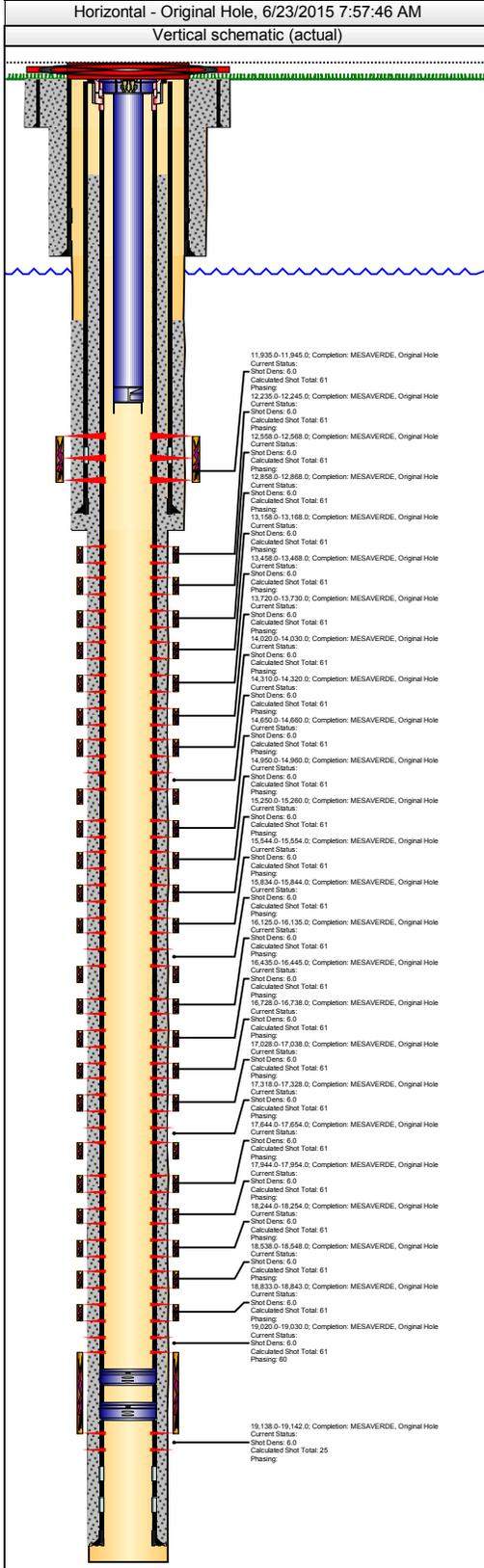
Perforation Statuses					
Date	Status	Com			
6/26/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 14,310.0	Bottom Depth (ft, KB) 14,320.0		
Perforation Company		Conveyance Method		Gun Size (in)	
Shot Density (shots/ft) 6.0		Charge Type		Phasing (°)	
Orientation			Orientation Method		
Over/Under Balanced	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 61					
Perforation Statuses					
Date	Status	Com			
6/26/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 14,650.0	Bottom Depth (ft, KB) 14,660.0		
Perforation Company		Conveyance Method		Gun Size (in)	
Shot Density (shots/ft) 6.0		Charge Type		Phasing (°)	
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 61					
Perforation Statuses					
Date	Status	Com			
6/26/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 14,950.0	Bottom Depth (ft, KB) 14,960.0		
Perforation Company		Conveyance Method		Gun Size (in)	
Shot Density (shots/ft) 6.0		Charge Type		Phasing (°)	
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 61					
Perforation Statuses					
Date	Status	Com			
6/26/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 15,250.0	Bottom Depth (ft, KB) 15,260.0		
Perforation Company		Conveyance Method		Gun Size (in)	
Shot Density (shots/ft) 6.0		Charge Type		Phasing (°)	
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 61					



Perforations

Well Name: **RW 42-25AGR**

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal
Unique Well ID UT100212	Gr Elev (ft) 5,515.8	Current Elevation 5,545.80, SST 88 - KB 30	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00	Dry Hole TD Date 6/9/2014 06:00
Horizontal - Original Hole, 6/23/2015 7:57:46 AM			Total Depth (All) (ft, KB) Original Hole - 19,296.0		



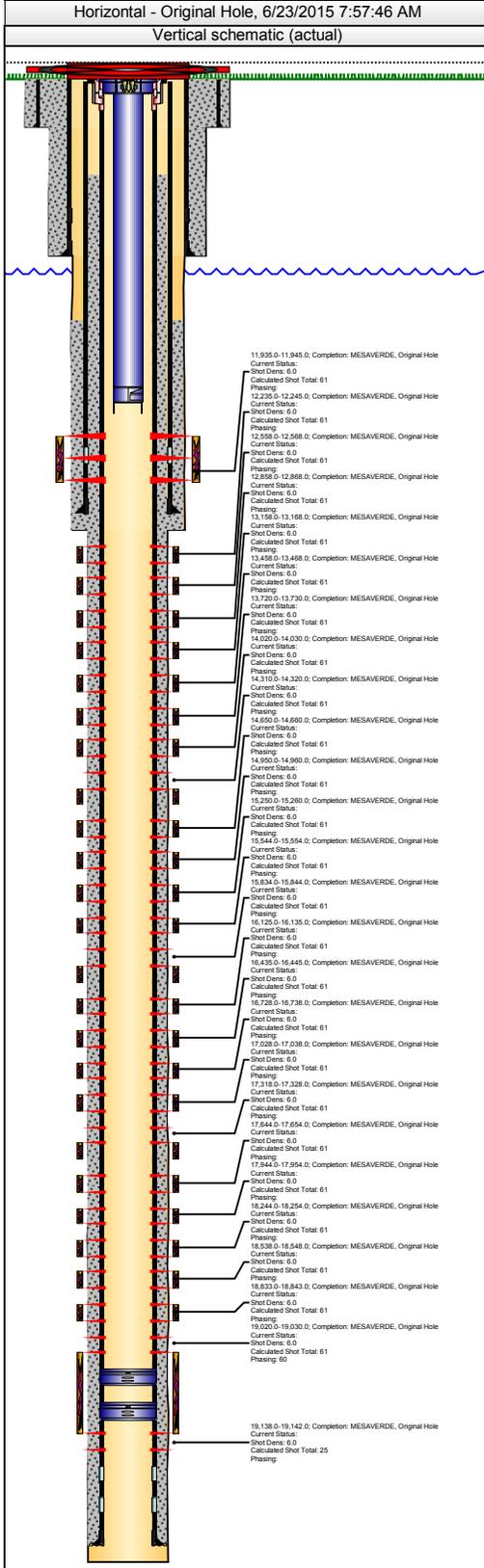
Perforation Statuses					
Date	Status	Com			
6/26/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 15,544.0	Bottom Depth (ft, KB) 15,554.0		
Perforation Company		Conveyance Method	Gun Size (in)	Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)		
Orientation			Orientation Method		
Over/Under 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 61					
Perforation Statuses					
Date	Status	Com			
6/25/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 15,834.0	Bottom Depth (ft, KB) 15,844.0		
Perforation Company		Conveyance Method	Gun Size (in)	Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)		
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 61					
Perforation Statuses					
Date	Status	Com			
6/25/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 16,125.0	Bottom Depth (ft, KB) 16,135.0		
Perforation Company		Conveyance Method	Gun Size (in)	Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)		
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 61					
Perforation Statuses					
Date	Status	Com			
6/25/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 16,435.0	Bottom Depth (ft, KB) 16,445.0		
Perforation Company		Conveyance Method	Gun Size (in)	Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)		
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 61					



Perforations

Well Name: **RW 42-25AGR**

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal
Unique Well ID UT100212	Gr Elev (ft) 5,515.8	Current Elevation 5,545.80, SST 88 - KB 30	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00	Dry Hole TD Date 6/9/2014 06:00
Horizontal - Original Hole, 6/23/2015 7:57:46 AM			Total Depth (All) (ft, KB) Original Hole - 19,296.0		



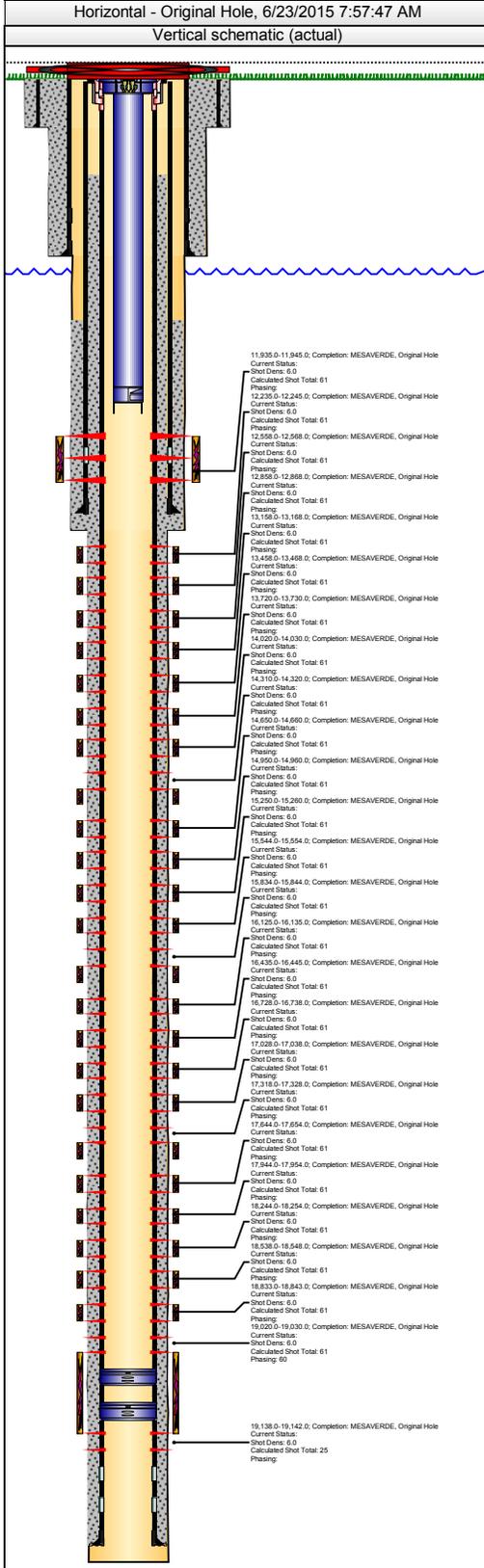
Perforation Statuses					
Date	Status	Com			
6/25/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 16,728.0	Bottom Depth (ft, KB) 16,738.0		
Perforation Company		Conveyance Method	Gun Size (in)	Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)		
Orientation			Orientation Method		
Over/Under 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 61					
Perforation Statuses					
Date	Status	Com			
6/25/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 17,028.0	Bottom Depth (ft, KB) 17,038.0		
Perforation Company		Conveyance Method	Gun Size (in)	Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)		
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 61					
Perforation Statuses					
Date	Status	Com			
6/24/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 17,318.0	Bottom Depth (ft, KB) 17,328.0		
Perforation Company		Conveyance Method	Gun Size (in)	Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)		
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 61					
Perforation Statuses					
Date	Status	Com			
6/24/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 17,644.0	Bottom Depth (ft, KB) 17,654.0		
Perforation Company		Conveyance Method	Gun Size (in)	Carrier Make	
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)		
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 61					



Perforations

Well Name: **RW 42-25AGR**

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal
Unique Well ID UT100212	Gr Elev (ft) 5,515.8	Current Elevation 5,545.80, SST 88 - KB 30	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00	Dry Hole TD Date 6/9/2014 06:00
Horizontal - Original Hole, 6/23/2015 7:57:47 AM			Total Depth (All) (ft, KB) Original Hole - 19,296.0		



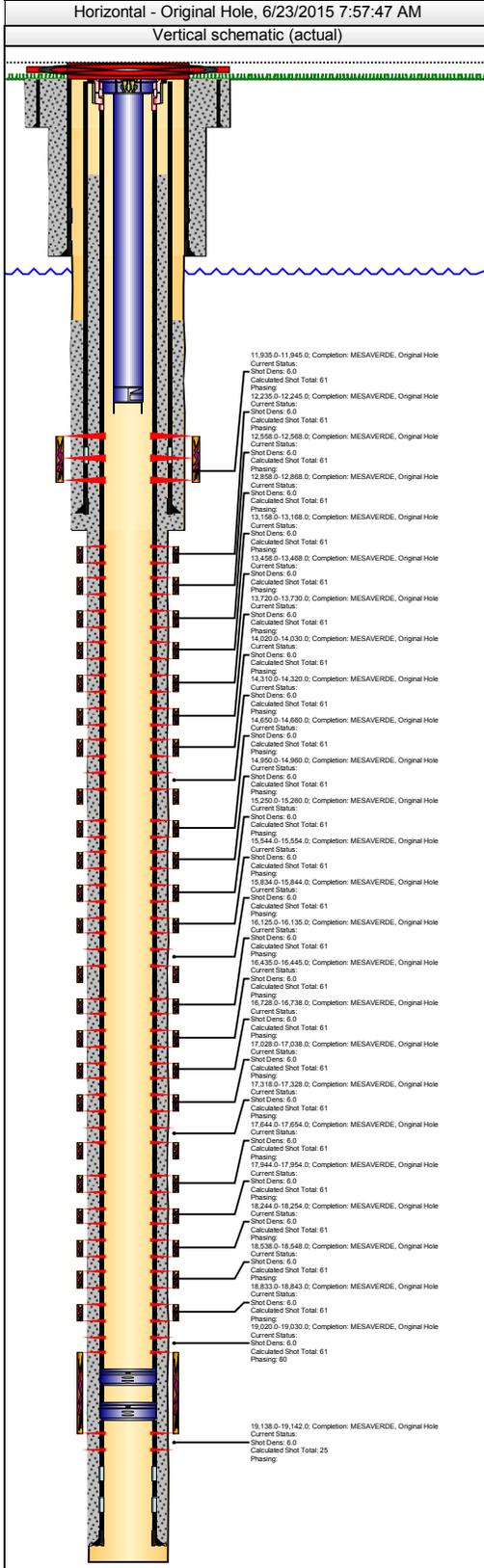
Perforation Statuses					
Date	Status	Com			
6/24/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 17,944.0	Bottom Depth (ft, KB) 17,954.0		
Perforation Company		Conveyance Method		Gun Size (in)	
Shot Density (shots/ft)		Charge Type		Phasing (°)	
Orientation		Orientation Method			
Over/Under Balanced	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 61					
Perforation Statuses					
Date	Status	Com			
6/24/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 18,244.0	Bottom Depth (ft, KB) 18,254.0		
Perforation Company		Conveyance Method		Gun Size (in)	
Shot Density (shots/ft)		Charge Type		Phasing (°)	
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 61					
Perforation Statuses					
Date	Status	Com			
6/23/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 18,538.0	Bottom Depth (ft, KB) 18,548.0		
Perforation Company		Conveyance Method		Gun Size (in)	
Shot Density (shots/ft)		Charge Type		Phasing (°)	
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 61					
Perforation Statuses					
Date	Status	Com			
6/23/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 18,833.0	Bottom Depth (ft, KB) 18,843.0		
Perforation Company		Conveyance Method		Gun Size (in)	
Shot Density (shots/ft)		Charge Type		Phasing (°)	
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 61					



Perforations

Well Name: **RW 42-25AGR**

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal
Unique Well ID UT100212	Gr Elev (ft) 5,515.8	Current Elevation 5,545.80, SST 88 - KB 30	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00	Dry Hole TD Date 6/9/2014 06:00
Horizontal - Original Hole, 6/23/2015 7:57:47 AM			Total Depth (All) (ft, KB) Original Hole - 19,296.0		



Perforation Statuses			
Date	Status	Com	
6/23/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 19,020.0	Bottom Depth (ft, KB) 19,030.0
Perforation Company Lone Wolf ELU		Conveyance Method Wireline	Carrier Make
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°) 3 1/8
Orientation		Orientation Method	
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)
Reference Log		P Surf Init (psi)	
Calculated Shot Total		60	

Perforation Statuses			
Date	Status	Com	
6/23/2014	MESAVERDE, Original Hole	Top Depth (ft, KB) 19,138.0	Bottom Depth (ft, KB) 19,142.0
Perforation Company		Conveyance Method	Carrier Make
Shot Density (shots/ft) 6.0		Charge Type	Phasing (°)
Orientation		Orientation Method	
Over/Under Balanced	P Over/Under (psi)	FL MD Before (ft, KB)	FL MD After (ft, KB)
Reference Log		P Surf Init (psi)	
Calculated Shot Total		25	

Perforation Statuses			
Date	Status	Com	

RW 42-25AGR

AFE - DRL-CT (completion), 6/17/2014 06:00						
Well Name RW 42-25AGR		Primary Job Type AFE - DRL-CT (completion)		Secondary Job Type DEVELOPMENT		Objective AFE
				Start Date 6/17/2014		Job End Date 7/18/2014
RPT #	End Date	Cum Time Log (days)	Current Ops	Summary	Time Log Hrs (hr)	syscreateuser
1	6/18/2014 06:00	0.44	NU Frac valve assembly	6/17/14: NU and pressure test 4 1/16" x 15K frac valve assembly. Run CBL // GR from 11,850' to surface, Est. cement top@ 80'. SWI.	10.50	temptjones
2	6/19/2014 06:00	1.44	Run DFIT test	MIRU HES DFIT equipment. Prime up and test lines to 11,500 psi. Pump DFIT test and monitor.	24.00	seiffert.contractor
3	6/23/2014 06:00	2.44	Fill and heat water tanks.	Finish filling (10) 1,000 bbl frac tanks. At report time HES is moving some frac equipment to location (delayed due to their last job). Will start frac in the morning 6/23/2014.	24.00	seiffert.contractor
4	6/24/2014 06:00	3.43	Start 24 hr completions.	Finish MIRU HES frac equipment. Perform HES pump maintenance and load chemicals. Prime up and test main treating lines to 12,500 psi. Good test. Test annulus line to 4,000 psi. Good test. Load casing and frac stage #1. Plug, perf and frac stages #2 and #3. At report time, RIH to plug and perf stage #4.	23.80	seiffert.contractor
5	6/25/2014 06:00	4.43	Continue 24 hr completions.	Finish fracing stage #3. Plug, perf and frac stages #4 thru #7. Replaced HES Growler after stage #6 due to hydraulic problems (down 3 hrs). At report time, RIH to plug and perf stage #8.	24.00	seiffert.contractor
6	6/26/2014 06:00	5.43	Continue 24 hr completions.	Finish plug and perf stage #8. Frac stage #8. Plug, perf and frac stages #9 thru #12. Plug and perf stage #13. At report time, fracing stage #13.	23.90	seiffert.contractor
7	6/27/2014 06:00	6.39	Continue 24 hr completions.	Finish fracing stage #13. Plug, perf and frac stages #14 thru #17. Plug and perf stage #18. Attempt to frac stage #18, cut sand early due to pressure. At report time, RIH to plug and perf stage #19.	23.20	seiffert.contractor
8	6/28/2014 06:00	7.35	Continue 24 hr completions.	Finish plug and perf stage #19. Frac stage #19. RIH and set CFP at 13,498'. Did not see any indication that plug set. POOH and plug had set. RBIH and perforate stage #20. Frac stage #20 (cut sand early due to pressure increase, 50% sand placement). Plug and perf stage #21 (plug set, guns mis-fired). RBIH and perforate stage 21. Frac stage #21. Plug, perf and frac stage #22 (pressure increased after acid and 100 mesh sand hit perfs). Cut sand, flush wellbore and continued to stage #23. Plug and perf stage #23. At report time, fracing stage #23.	23.00	seiffert.contractor
9	6/29/2014 06:00	8.35	Continue 24 hr operations.	Finish fracing stage #23. Plug, perf and frac stage #24 and #25. RDMO Lone Wolf ELU and HES frac equipment. Release all auxiliary frac equipment. Turn well over to production group for drill out. MIRU Basin #3 and all allied equipment. ND top 2 4 1/16 x 15K frac valves, NU Weatherford 4 1/16" 15K x 7 1/16" 10K spool, 7 1/16" 10K mud cross, 7 1/16" 10K double gate (dressed 2 3/8" pipe rams on top and blind rams on bottom) 7 1/16 10K x 7 1/16 5K double stud and 7 1/16" 5K annular. RU work floor and tubing handling tools. Install Weatherford test sub. Test pipe rams, blind rams, TIW valve and flow cross valves to 8,000 psi. Good test. Test annular BOP to 3,500 psi. Good test. Set catwalk and pipe racks. Load racks with 2 3/8", 5.95#, PH6 P-110 tbq and tally PU QES BHA #1 as follows: 3.70 5 blade concave mill, 2 7/8" QES motor, float sub, Agitator, dual circ sub with 5/8" ball seat, hydraulic disconnect with 3/4" ball seat, 2 7/8" jars, x-over, 6' pup jt and "R" nipple. Test motor on surface. Good test. RIH with QES BHA #1 and 69 joint's of 2 3/8" PH6 tubing. EOT @2200' at report time	24.00	seiffert.contractor

RW 42-25AGR

RPT #	End Date	Cum Time Log (days)	Current Ops	Summary	Time Log Hrs (hr)	syscreateuser
10	6/30/2014 06:00	9.35	Continue 24 hr operations	Continue to tally & pick 2 3/8" PH6 tubing tag kill plug @9052'. RU swivel & pump. Get circulation w/ 12 bbl's of 2% KCL. Hold 2800# psi. Back pressure w/ 11/64 choke Drill out plug w/ 2 -4 k Pumping 2 bbl's per min w/ 4200# psi. Turning 20 Rpm's, Drill out in 10 min's, PU 1 jt, Hang back swivel. Continued to tally & pick up tubing. RU swivel, Drill out frac plugs with tubing depth @ 11975', 12,275', 12598', 12910'. 13,228'. Roll hole clean @ 2 bpm & return with 4 bpm for 1 hr. Continued to drill out plug's with tubing depth's @13,500', 13,758', 14,089', 14,384', 14,710'. Roll hole clean @ 2 bpm & return with 4 bpm for 1 hr. Continued to drill out plug's with tubing depth's @ 15,010', 15,600', 15,899'. Run 2-4k wob. Pump rate of 2 bpm & return 4 bpm.	24.00	temptwilliams
11	7/1/2014 06:00	10.35	Continue 24 hr operations	Continue to tally, drift & pick up 2 3/8" PH6 hydrill tubing & drill out plug's with tubing depth's @16,186'. Roll hole clean with a pump rate of 2 bpm & return 4 bpm with 1500 #psi. Continue to drill out plugs @ 16475', 16768', 17075', 17368', 17684', Roll hole clean with a pump rate of 2 bpm & return 4 bpm with 1100#psi. Continue drilling out plugs @ 17994', 18284', 18,596', 18,885', 19,070'. Run 2-4k wob. Pump rate of 2 bpm & return 4 bpm. Tag RSI sleeve @ 19,089'. Roll hole clean with a pump rate of 2 bpm & return 4 bpm with 1300#psi. Pump 20 bbl sweep 10 bbl die spacer & 20 bbl's sweep & return to surface. Pooh & LD work string 211 joint's of 2 3/8" PH6 hydrill tubing. EOT @12,533'	24.00	temptwilliams
12	7/2/2014 06:00	10.89	Continue 24 hr operations	Pump 20 bbl sweep, 10 bbl die, 20 bbl sweep & 150 bbl's to bring to surface. Continue to pooh & LD 274 joint's of 2 3/8" hydrill tubing. RU snubbing unit & continue to pooh LD remaining 128 joint's of 2 3/8" hydrill work string & motor.	13.00	temptwilliams
13	7/8/2014 06:00	10.89	Flow back well	Flowing well back through Weatherford sperator, watching casing decline pressure and managing water rate. Catching water and gas samples for Protechnics.		05127
14	7/11/2014 06:00	10.89	Flow back well	Flowing well back through Weatherford sperator, watching casing decline pressure and managing water rate. Catching water and gas samples for Protechnics.		05127
15	7/18/2014 06:00	10.89	Return flow back equipment	Return Separator FS466 to Grand Junction		05127
16	9/17/2014 06:00	10.89		PULLED WATER FROM PIT		tempwar3
17	9/18/2014 06:00	10.89		PULLED WATER FROM PIT		tempwar3

AFE - DRL-TU (tube up), 7/1/2014 19:00

Well Name RW 42-25AGR	Primary Job Type AFE - DRL-TU (tube up)	Secondary Job Type Drill Out/Tube up	Objective AFE	Start Date 7/1/2014	Job End Date 7/3/2014
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RPT #	End Date	Cum Time Log (days)	Current Ops	Summary	Time Log Hrs (hr)	syscreateuser
1	7/2/2014 06:00	0.46	RIH with production tubing	Snub production tubing in the hole. RIH with pump out plug, 2' pup joint, F-nipple 1.81, Tally & drift 382 joint's of 2 3/8" L-80 tubing. Make up tubing hanger & land with EOT @11,935.5'.	11.00	temptwilliams
2	7/3/2014 06:00	0.85	RD subbing unit	RD subbing unit. ND bop's. NU well head & flow line. Pump off disk, Shut in tbg. RDMO, Turn well over to weatherford flow back	9.50	temptwilliams
3	4/10/2015 06:00	1.02	MIRU wire line	4/8/15: MIRU cutter's wire line. RIH with 1 11/16 CCL and stack out in side of tbg @828'. Pooh RD wire line. Turn well back to production. SDFN	4.00	temptwilliams



Directional Survey

Well Name: RW 42-25AGR

API 43-047-53682		Surface Legal Location S25-T7S-R22E		Field Name RED WASH		County UINTAH		State UTAH		Well Configuration Type Horizontal	
Unique Well ID UT100212		Ground Elevation (ft) 5,515.8		Casing Flange Elevation (ft) 5,515.80		Current KB to GL (ft) 30.00		KB to CF (ft) 30.00		Spud Date 2/7/2014 06:00	
Dry Hole TD Date 6/9/2014 06:00		Wellbore Name Original Hole		Parent Wellbore Original Hole		Sidetrack Start Depth (ft, KB)		Vertical Section Direction (°)			
Date 3/23/2014		Definitive? Yes		Description surveys		Proposed? No					
MD Tie In (ft, KB) 0.00		TVD Tie In (ft, KB) 0.00		Inclination Tie In (°) 0.00		Azimuth Tie In (°) 0.00		NSTie In (ft) 0.00		EWTie In (ft) 0.00	

Survey Data

MD (ft, KB)	Incl (°)	Azm (°)	Tool Type	Date	Survey Company	TVD (ft, KB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Traverse Distance (ft)
0.00	0.00	0.00	MWD	3/23/2014	Phoeni...	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
244.00	0.70	107.00	MWD	3/23/2014	Phoeni...	243.99	-0.44	1.43	0.01	0.29	0.29	43.85	1.49
338.00	0.50	27.30	MWD	3/23/2014	Phoeni...	337.99	-0.24	2.16	0.41	0.83	-0.21	-84.79	2.25
431.00	0.60	22.00	MWD	3/23/2014	Phoeni...	430.99	0.57	2.53	1.30	0.12	0.11	-5.70	3.15
523.00	0.20	11.70	MWD	3/23/2014	Phoeni...	522.98	1.18	2.74	1.94	0.44	-0.43	-11.20	3.79
614.00	0.50	332.90	MWD	3/23/2014	Phoeni...	613.98	1.69	2.60	2.38	0.40	0.33	352.97	4.32
678.00	0.40	313.60	MWD	3/23/2014	Phoeni...	677.98	2.09	2.31	2.68	0.28	-0.16	-30.16	4.81
769.00	0.70	317.90	MWD	3/23/2014	Phoeni...	768.98	2.72	1.70	3.10	0.33	0.33	4.73	5.68
861.00	0.90	318.20	MWD	3/23/2014	Phoeni...	860.97	3.68	0.85	3.76	0.22	0.22	0.33	6.97
953.00	1.30	322.30	MWD	3/23/2014	Phoeni...	952.95	5.04	-0.27	4.73	0.44	0.43	4.46	8.73
1,074.00	2.10	322.00	MWD	3/23/2014	Phoeni...	1,073.90	7.87	-2.48	6.79	0.66	0.66	-0.25	12.32
1,169.00	2.00	325.60	MWD	3/23/2014	Phoeni...	1,168.83	10.61	-4.49	8.81	0.17	-0.11	3.79	15.72
1,264.00	1.70	333.60	MWD	3/23/2014	Phoeni...	1,263.78	13.24	-6.05	10.86	0.42	-0.32	8.42	18.78
1,359.00	1.50	343.50	MWD	3/23/2014	Phoeni...	1,358.75	15.70	-7.03	12.91	0.36	-0.21	10.42	21.42
1,454.00	1.30	341.70	MWD	3/23/2014	Phoeni...	1,453.72	17.91	-7.72	14.83	0.22	-0.21	-1.89	23.74
1,549.00	0.80	345.30	MWD	3/23/2014	Phoeni...	1,548.70	19.58	-8.23	16.27	0.53	-0.53	3.79	25.48
1,644.00	0.80	348.80	MWD	3/23/2014	Phoeni...	1,643.69	20.87	-8.52	17.41	0.05	0.00	3.68	26.81
1,738.00	0.60	357.20	MWD	3/23/2014	Phoeni...	1,737.69	22.00	-8.68	18.45	0.24	-0.21	8.94	27.95
1,834.00	0.70	15.40	MWD	3/23/2014	Phoeni...	1,833.68	23.07	-8.55	19.51	0.24	0.10	-356.04	29.03
1,928.00	0.40	353.60	MWD	3/23/2014	Phoeni...	1,927.68	23.95	-8.43	20.38	0.38	-0.32	359.79	29.92
2,023.00	0.50	38.80	MWD	3/23/2014	Phoeni...	2,022.67	24.60	-8.21	21.07	0.38	0.11	-331.37	30.61
2,118.00	0.50	23.60	MWD	3/24/2014	Phoeni...	2,117.67	25.31	-7.78	21.87	0.14	0.00	-16.00	31.43
2,214.00	0.90	35.60	MWD	3/24/2014	Phoeni...	2,213.66	26.30	-7.17	23.00	0.44	0.42	12.50	32.60
2,309.00	1.20	42.00	MWD	3/24/2014	Phoeni...	2,308.65	27.65	-6.07	24.61	0.34	0.32	6.74	34.33
2,404.00	1.30	37.40	MWD	3/24/2014	Phoeni...	2,403.62	29.24	-4.75	26.53	0.15	0.11	-4.84	36.40
2,499.00	1.50	41.10	MWD	3/24/2014	Phoeni...	2,498.60	31.04	-3.28	28.68	0.23	0.21	3.89	38.72
2,594.00	1.50	28.50	MWD	3/24/2014	Phoeni...	2,593.56	33.07	-1.87	31.03	0.35	0.00	-13.26	41.20
2,689.00	1.70	27.60	MWD	3/24/2014	Phoeni...	2,688.53	35.41	-0.63	33.64	0.21	0.21	-0.95	43.85
2,784.00	1.80	35.20	MWD	3/24/2014	Phoeni...	2,783.48	37.88	0.89	36.44	0.27	0.11	8.00	46.74
2,879.00	1.80	35.10	MWD	3/24/2014	Phoeni...	2,878.44	40.32	2.61	39.28	0.00	0.00	-0.11	49.73
2,974.00	1.70	39.10	MWD	3/24/2014	Phoeni...	2,973.39	42.63	4.35	42.01	0.17	-0.11	4.21	52.63
3,070.00	2.00	43.70	MWD	3/24/2014	Phoeni...	3,069.34	44.95	6.41	44.83	0.35	0.31	4.79	55.72
3,165.00	2.10	32.70	MWD	3/25/2014	Phoeni...	3,164.28	47.61	8.49	47.99	0.43	0.11	-11.58	59.11
3,260.00	1.80	20.00	MWD	3/25/2014	Phoeni...	3,259.23	50.48	9.94	51.16	0.55	-0.32	-13.37	62.32
3,451.00	1.80	359.60	MWD	3/25/2014	Phoeni...	3,450.13	56.30	10.95	57.01	0.33	0.00	177.80	68.22
3,640.00	2.20	302.40	MWD	3/25/2014	Phoeni...	3,639.04	61.21	7.86	60.79	1.03	0.21	-30.26	74.02
3,736.00	1.80	296.10	MWD	3/25/2014	Phoeni...	3,734.98	62.86	4.96	61.51	0.47	-0.42	-6.56	77.37
3,831.00	1.00	42.30	MWD	3/25/2014	Phoeni...	3,829.96	64.13	4.17	62.49	2.41	-0.84	-267.16	78.86
3,926.00	0.30	321.90	MWD	3/26/2014	Phoeni...	3,924.95	64.94	4.58	63.38	1.05	-0.74	294.32	79.76
4,045.00	0.30	283.80	MWD	3/26/2014	Phoeni...	4,043.95	65.26	4.08	63.54	0.16	0.00	-32.02	80.35
4,193.00	1.00	61.60	MWD	3/28/2014	Phoeni...	4,191.95	65.96	4.84	64.44	0.84	0.47	-150.14	81.39
4,288.00	1.00	87.60	MWD	3/28/2014	Phoeni...	4,286.93	66.39	6.40	65.31	0.47	0.00	27.37	83.01
4,383.00	0.70	74.20	MWD	3/28/2014	Phoeni...	4,381.92	66.59	7.79	65.91	0.38	-0.32	-14.11	84.41
4,478.00	1.30	83.40	MWD	3/28/2014	Phoeni...	4,476.91	66.87	9.42	66.66	0.65	0.63	9.68	86.06
4,573.00	0.90	99.60	MWD	3/28/2014	Phoeni...	4,571.89	66.87	11.22	67.19	0.53	-0.42	17.05	87.87
4,668.00	1.10	96.70	MWD	3/29/2014	Phoeni...	4,666.87	66.64	12.86	67.46	0.22	0.21	-3.05	89.52
4,763.00	1.30	85.10	MWD	3/29/2014	Phoeni...	4,761.85	66.62	14.84	68.03	0.33	0.21	-12.21	91.50



Directional Survey

Well Name: RW 42-25AGR

API 43-047-53682		Surface Legal Location S25-T7S-R22E			Field Name RED WASH		County UINTAH		State UTAH		Well Configuration Type Horizontal	
Unique Well ID UT100212		Ground Elevation (ft) 5,515.8		Casing Flange Elevation (ft) 5,515.80		Current KB to GL (ft) 30.00		KB to CF (ft) 30.00		Spud Date 2/7/2014 06:00		Dry Hole TD Date 6/9/2014 06:00

Survey Data													
MD (ft, KB)	Incl (°)	Azm (°)	Tool Type	Date	Survey Company	TVD (ft, KB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Traverse Distance (ft)
4,858.00	0.70	54.30	MWD	3/29/2014	Phoeni...	4,856.84	67.05	16.39	68.90	0.83	-0.63	-32.42	93.11
4,953.00	0.60	63.20	MWD	3/29/2014	Phoeni...	4,951.83	67.62	17.30	69.71	0.15	-0.11	9.37	94.18
5,048.00	0.70	107.40	MWD	3/29/2014	Phoeni...	5,046.83	67.67	18.30	70.05	0.52	0.11	46.53	95.18
5,142.00	1.00	105.70	MWD	3/29/2014	Phoeni...	5,140.82	67.27	19.64	70.07	0.32	0.32	-1.81	96.57
5,238.00	0.90	13.30	MWD	3/29/2014	Phoeni...	5,236.81	67.78	20.62	70.85	1.43	-0.10	-96.25	97.68
5,333.00	1.10	91.10	MWD	3/29/2014	Phoeni...	5,331.80	68.49	21.70	71.84	1.33	0.21	81.89	98.97
5,428.00	0.90	93.20	MWD	3/29/2014	Phoeni...	5,426.78	68.43	23.36	72.28	0.21	-0.21	2.21	100.63
5,523.00	1.30	87.70	MWD	3/29/2014	Phoeni...	5,521.77	68.43	25.18	72.82	0.43	0.42	-5.79	102.45
5,618.00	1.20	90.80	MWD	3/29/2014	Phoeni...	5,616.74	68.46	27.25	73.46	0.13	-0.11	3.26	104.52
5,713.00	1.60	110.80	MWD	3/29/2014	Phoeni...	5,711.71	67.97	29.49	73.66	0.66	0.42	21.05	106.81
5,808.00	1.30	115.20	MWD	3/29/2014	Phoeni...	5,806.68	67.05	31.70	73.42	0.34	-0.32	4.63	109.21
5,904.00	2.40	145.50	MWD	3/29/2014	Phoeni...	5,902.64	64.92	33.82	72.03	1.50	1.15	31.56	112.21
5,998.00	2.70	157.90	MWD	3/29/2014	Phoeni...	5,996.54	61.25	35.77	69.09	0.67	0.32	13.19	116.37
6,093.00	2.50	187.60	MWD	3/29/2014	Phoeni...	6,091.45	57.12	36.34	65.32	1.42	-0.21	31.26	120.54
6,188.00	1.00	192.80	MWD	3/29/2014	Phoeni...	6,186.40	54.26	35.88	62.45	1.59	-1.58	5.47	123.44
6,284.00	0.80	197.00	MWD	3/30/2014	Phoeni...	6,282.39	52.80	35.50	60.94	0.22	-0.21	4.37	124.94
6,379.00	1.10	216.80	MWD	3/30/2014	Phoeni...	6,377.38	51.44	34.76	59.42	0.46	0.32	20.84	126.50
6,474.00	0.80	201.90	MWD	3/30/2014	Phoeni...	6,472.36	50.09	33.97	57.90	0.41	-0.32	-15.68	128.06
6,569.00	1.00	189.90	MWD	3/30/2014	Phoeni...	6,567.35	48.66	33.58	56.42	0.29	0.21	-12.63	129.54
6,664.00	0.50	203.00	MWD	3/30/2014	Phoeni...	6,662.34	47.46	33.27	55.18	0.55	-0.53	13.79	130.78
6,759.00	0.80	218.00	MWD	3/30/2014	Phoeni...	6,757.34	46.56	32.70	54.15	0.36	0.32	15.79	131.85
6,854.00	0.80	189.80	MWD	3/30/2014	Phoeni...	6,852.33	45.38	32.18	52.87	0.41	0.00	-29.68	133.13
6,949.00	1.40	194.50	MWD	3/30/2014	Phoeni...	6,947.31	43.61	31.78	51.06	0.64	0.63	4.95	134.96
7,044.00	1.50	187.80	MWD	3/30/2014	Phoeni...	7,042.28	41.25	31.32	48.67	0.21	0.11	-7.05	137.36
7,139.00	1.60	182.60	MWD	3/30/2014	Phoeni...	7,137.25	38.69	31.09	46.16	0.18	0.11	-5.47	139.92
7,234.00	1.70	193.10	MWD	3/30/2014	Phoeni...	7,232.21	36.00	30.71	43.47	0.33	0.11	11.05	142.65
7,328.00	1.70	192.50	MWD	3/31/2014	Phoeni...	7,326.17	33.28	30.09	40.69	0.02	0.00	-0.64	145.43
7,423.00	1.30	205.40	MWD	3/31/2014	Phoeni...	7,421.13	30.93	29.32	38.22	0.55	-0.42	13.58	147.91
7,518.00	1.60	204.70	MWD	3/31/2014	Phoeni...	7,516.10	28.75	28.31	35.84	0.32	0.32	-0.74	150.31
7,613.00	1.70	195.10	MWD	3/31/2014	Phoeni...	7,611.06	26.18	27.39	33.12	0.31	0.11	-10.11	153.04
7,708.00	1.50	201.30	MWD	3/31/2014	Phoeni...	7,706.03	23.67	26.57	30.47	0.28	-0.21	6.53	155.68
7,803.00	1.90	212.10	MWD	3/31/2014	Phoeni...	7,800.98	21.17	25.28	27.71	0.54	0.42	11.37	158.49
7,899.00	1.90	208.50	MWD	3/31/2014	Phoeni...	7,896.93	18.43	23.67	24.61	0.12	0.00	-3.75	161.67
7,994.00	1.70	194.90	MWD	3/31/2014	Phoeni...	7,991.89	15.68	22.56	21.65	0.49	-0.21	-14.32	164.64
8,088.00	1.90	206.00	MWD	3/31/2014	Phoeni...	8,085.84	12.93	21.52	18.72	0.43	0.21	11.81	167.57
8,183.00	1.80	189.00	MWD	3/31/2014	Phoeni...	8,180.79	10.04	20.60	15.69	0.58	-0.11	-17.89	170.61
8,279.00	2.10	183.30	MWD	4/1/2014	Phoeni...	8,276.73	6.80	20.26	12.49	0.37	0.31	-5.94	173.87
8,374.00	2.00	172.50	MWD	4/1/2014	Phoeni...	8,371.67	3.42	20.37	9.29	0.42	-0.11	-11.37	177.25
8,469.00	1.80	164.80	MWD	4/1/2014	Phoeni...	8,466.62	0.33	20.98	6.53	0.34	-0.21	-8.11	180.40
8,565.00	2.20	171.50	MWD	4/1/2014	Phoeni...	8,562.56	-2.94	21.65	3.59	0.48	0.42	6.98	183.74
8,659.00	2.20	170.10	MWD	4/1/2014	Phoeni...	8,656.49	-6.51	22.23	0.36	0.06	0.00	-1.49	187.35
8,754.00	2.30	165.20	MWD	4/2/2014	Phoeni...	8,751.42	-10.14	23.03	-2.88	0.23	0.11	-5.16	191.07
8,849.00	2.20	170.70	MWD	4/2/2014	Phoeni...	8,846.35	-13.79	23.81	-6.12	0.25	-0.11	5.79	194.80
8,943.00	1.50	161.40	MWD	4/2/2014	Phoeni...	8,940.30	-16.73	24.49	-8.74	0.81	-0.74	-9.89	197.83
9,039.00	1.50	147.40	MWD	4/2/2014	Phoeni...	9,036.27	-18.98	25.57	-10.57	0.38	0.00	-14.58	200.32
9,134.00	1.70	161.00	MWD	4/3/2014	Phoeni...	9,131.23	-21.36	26.70	-12.51	0.45	0.21	14.32	202.95
9,227.00	2.00	163.00	MWD	4/3/2014	Phoeni...	9,224.18	-24.22	27.62	-14.96	0.33	0.32	2.15	205.96
9,324.00	0.60	165.30	MWD	4/3/2014	Phoeni...	9,321.15	-26.33	28.25	-16.79	1.44	-1.44	2.37	208.16
9,419.00	0.90	172.30	MWD	4/3/2014	Phoeni...	9,416.15	-27.55	28.47	-17.89	0.33	0.32	7.37	209.40
9,515.00	0.90	134.10	MWD	4/3/2014	Phoeni...	9,512.13	-28.82	29.12	-18.92	0.61	0.00	-39.79	210.82
9,610.00	0.90	152.60	MWD	4/3/2014	Phoeni...	9,607.12	-30.00	29.99	-19.78	0.30	0.00	19.47	212.29



Directional Survey

Well Name: RW 42-25AGR

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal	
Unique Well ID UT100212	Ground Elevation (ft) 5,515.8	Casing Flange Elevation (ft) 5,515.80	Current KB to GL (ft) 30.00	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00	Dry Hole TD Date 6/9/2014 06:00

Survey Data													
MD (ft, KB)	Incl (°)	Azm (°)	Tool Type	Date	Survey Company	TVD (ft, KB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Traverse Distance (ft)
9,705.00	0.90	147.61	MWD	4/3/2014	Phoeni...	9,702.11	-31.30	30.74	-20.80	0.08	0.00	-5.25	213.79
9,800.00	1.21	135.00	MWD	4/3/2014	Phoeni...	9,797.09	-32.64	31.85	-21.75	0.41	0.33	-13.27	215.52
9,895.00	1.41	149.90	MWD	4/3/2014	Phoeni...	9,892.07	-34.36	33.14	-23.01	0.41	0.21	15.68	217.68
9,990.00	1.70	144.60	MWD	4/4/2014	Phoeni...	9,987.04	-36.52	34.54	-24.66	0.34	0.31	-5.58	220.25
10,085.00	1.70	152.30	MWD	4/4/2014	Phoeni...	10,081.99	-38.91	36.02	-26.51	0.24	0.00	8.11	223.06
10,179.00	1.40	137.40	MWD	4/4/2014	Phoeni...	10,175.96	-40.99	37.44	-28.08	0.53	-0.32	-15.85	225.59
10,274.00	1.50	134.30	MWD	4/4/2014	Phoeni...	10,270.93	-42.71	39.12	-29.23	0.13	0.11	-3.26	227.99
10,369.00	1.60	132.80	MWD	4/4/2014	Phoeni...	10,365.89	-44.48	40.98	-30.37	0.11	0.11	-1.58	230.56
10,464.00	1.60	137.30	MWD	4/4/2014	Phoeni...	10,460.86	-46.36	42.85	-31.60	0.13	0.00	4.74	233.21
10,507.00	1.60	139.30	MWD	4/4/2014	Phoeni...	10,503.84	-47.26	43.65	-32.22	0.13	0.00	4.65	234.41
10,585.00	1.30	344.90	MWD	4/6/2014	Phoeni...	10,581.83	-47.23	44.13	-32.05	3.63	-0.38	263.59	234.89
10,616.00	1.60	343.10	MWD	4/6/2014	Phoeni...	10,612.82	-46.47	43.91	-31.40	0.98	0.97	-5.81	235.67
10,648.00	3.60	340.99	MWD	4/6/2014	Phoeni...	10,644.79	-45.10	43.46	-30.22	6.26	6.25	-6.59	237.13
10,680.00	6.30	349.00	MWD	4/6/2014	Phoeni...	10,676.66	-42.42	42.79	-27.86	8.69	8.44	25.03	239.88
10,711.00	8.90	346.62	MWD	4/6/2014	Phoeni...	10,707.39	-38.42	41.91	-24.30	8.45	8.39	-7.68	243.98
10,743.00	11.90	352.50	MWD	4/7/2014	Phoeni...	10,738.86	-32.74	40.91	-19.17	9.93	9.38	18.38	249.75
10,775.00	14.20	352.00	MWD	4/7/2014	Phoeni...	10,770.03	-25.58	39.93	-12.62	7.20	7.19	-1.56	256.97
10,806.00	16.50	359.70	MWD	4/7/2014	Phoeni...	10,799.93	-17.41	39.38	-4.98	9.90	7.42	24.84	265.16
10,838.00	19.40	5.70	MWD	4/7/2014	Phoeni...	10,830.37	-7.57	39.88	4.57	10.74	9.06	-1106.25	275.01
10,870.00	21.10	6.00	MWD	4/7/2014	Phoeni...	10,860.39	3.44	41.01	15.42	5.32	5.31	0.94	286.08
10,901.00	22.50	8.40	MWD	4/7/2014	Phoeni...	10,889.17	14.86	42.46	26.76	5.35	4.52	7.74	297.59
10,933.00	23.80	9.20	MWD	4/7/2014	Phoeni...	10,918.60	27.29	44.39	39.21	4.18	4.06	2.50	310.17
10,964.00	24.60	11.10	MWD	4/7/2014	Phoeni...	10,946.87	39.80	46.63	51.82	3.60	2.58	6.13	322.88
10,996.00	25.91	11.80	MWD	4/7/2014	Phoeni...	10,975.81	53.18	49.35	65.40	4.20	4.09	2.19	336.53
11,028.00	26.70	11.00	MWD	4/8/2014	Phoeni...	11,004.50	67.08	52.15	79.51	2.71	2.47	-2.50	350.71
11,059.00	26.90	10.90	MWD	4/8/2014	Phoeni...	11,032.17	80.80	54.80	93.40	0.66	0.65	-0.32	364.69
11,091.00	28.60	11.70	MWD	4/8/2014	Phoeni...	11,060.49	95.41	57.72	108.22	5.44	5.31	2.50	379.59
11,123.00	28.70	10.10	MWD	4/8/2014	Phoeni...	11,088.57	110.48	60.63	123.47	2.42	0.31	-5.00	394.93
11,154.00	28.70	10.50	MWD	4/8/2014	Phoeni...	11,115.76	125.12	63.29	138.25	0.62	0.00	1.29	409.82
11,186.00	28.60	10.00	MWD	4/8/2014	Phoeni...	11,143.84	140.22	66.02	153.48	0.81	-0.31	-1.56	425.16
11,217.00	28.60	8.00	MWD	4/8/2014	Phoeni...	11,171.06	154.88	68.34	168.16	3.09	0.00	-6.45	440.00
11,249.00	31.10	8.90	MWD	4/8/2014	Phoeni...	11,198.82	170.63	70.68	183.90	7.94	7.81	2.81	455.92
11,281.00	34.50	10.50	MWD	4/9/2014	Phoeni...	11,225.71	187.71	73.61	201.09	10.96	10.63	5.00	473.25
11,312.00	37.20	11.80	MWD	4/9/2014	Phoeni...	11,250.83	205.52	77.13	219.14	9.05	8.71	4.19	491.41
11,344.00	40.20	12.20	MWD	4/9/2014	Phoeni...	11,275.81	225.09	81.29	239.06	9.41	9.38	1.25	511.41
11,376.00	43.50	13.50	MWD	4/10/2014	Phoeni...	11,299.64	245.90	86.05	260.35	10.66	10.31	4.06	532.76
11,408.00	45.90	13.30	MWD	4/10/2014	Phoeni...	11,322.38	267.79	91.26	282.80	7.51	7.50	-0.62	555.27
11,440.00	48.80	12.30	MWD	4/10/2014	Phoeni...	11,344.06	290.74	96.47	306.27	9.35	9.06	-3.13	578.80
11,471.00	51.70	12.70	MWD	4/10/2014	Phoeni...	11,363.88	314.01	101.63	330.02	9.41	9.35	1.29	602.63
11,503.00	54.80	12.70	MWD	4/11/2014	Phoeni...	11,383.03	339.02	107.27	355.57	9.69	9.69	0.00	628.27
11,535.00	57.40	13.20	MWD	4/11/2014	Phoeni...	11,400.87	364.90	113.22	382.06	8.23	8.13	1.56	654.82
11,566.00	60.10	13.50	MWD	4/11/2014	Phoeni...	11,416.95	390.68	119.34	408.50	8.75	8.71	0.97	681.32
11,598.00	62.40	13.40	MWD	4/11/2014	Phoeni...	11,432.34	417.97	125.87	436.49	7.19	7.19	-0.31	709.38
11,630.00	64.30	13.10	MWD	4/11/2014	Phoeni...	11,446.70	445.80	132.42	465.02	6.00	5.94	-0.94	737.98
11,662.00	66.70	12.40	MWD	4/11/2014	Phoeni...	11,459.97	474.20	138.84	494.05	7.76	7.50	-2.19	767.09
11,694.00	68.20	13.00	MWD	4/11/2014	Phoeni...	11,472.24	503.03	145.34	523.51	5.00	4.69	1.88	796.65
11,725.00	70.30	13.30	MWD	4/11/2014	Phoeni...	11,483.22	531.26	151.94	552.43	6.83	6.77	0.97	825.63
11,757.00	72.40	13.70	MWD	4/11/2014	Phoeni...	11,493.45	560.74	159.02	582.68	6.67	6.56	1.25	855.95
11,789.00	72.80	13.90	MWD	4/11/2014	Phoeni...	11,503.02	590.39	166.30	613.16	1.38	1.25	0.63	886.49
11,820.00	74.10	14.00	MWD	4/11/2014	Phoeni...	11,511.85	619.23	173.46	642.83	4.20	4.19	0.32	916.20
11,852.00	75.50	13.30	MWD	4/12/2014	Phoeni...	11,520.24	649.24	180.75	673.65	4.86	4.38	-2.19	947.08



Directional Survey

Well Name: RW 42-25AGR

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal
Unique Well ID UT100212	Ground Elevation (ft) 5,515.8	Casing Flange Elevation (ft) 5,515.80	Current KB to GL (ft) 30.00	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00
					Dry Hole TD Date 6/9/2014 06:00

Survey Data													
MD (ft, KB)	Incl (°)	Azm (°)	Tool Type	Date	Survey Company	TVD (ft, KB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Traverse Distance (ft)
11,884.00	77.50	14.50	MWD	4/12/2014	Phoeni...	11,527.71	679.44	188.23	704.71	7.24	6.25	3.75	978.20
11,915.00	78.20	14.70	MWD	4/12/2014	Phoeni...	11,534.24	708.77	195.86	734.98	2.34	2.26	0.65	1,008.50
11,947.00	80.70	15.10	MWD	4/12/2014	Phoeni...	11,540.10	739.17	203.95	766.42	7.91	7.81	1.25	1,039.96
12,012.00	81.90	15.60	MWD	4/18/2014	Phoeni...	11,549.93	801.13	220.96	830.63	2.00	1.85	0.77	1,104.21
12,043.00	82.20	15.30	MWD	4/19/2014	Phoeni...	11,554.21	830.72	229.14	861.32	1.36	0.97	-0.97	1,134.91
12,075.00	82.00	15.10	MWD	4/19/2014	Phoeni...	11,558.61	861.30	237.45	893.00	0.88	-0.63	-0.63	1,166.61
12,106.00	82.50	14.80	MWD	4/19/2014	Phoeni...	11,562.79	890.98	245.38	923.69	1.88	1.61	-0.97	1,197.32
12,137.00	84.50	14.60	MWD	4/20/2014	Phoeni...	11,566.30	920.77	253.19	954.46	6.48	6.45	-0.65	1,228.12
12,168.00	88.00	14.90	MWD	4/20/2014	Phoeni...	11,568.33	950.68	261.07	985.36	11.33	11.29	0.97	1,259.05
12,200.00	91.50	15.50	MWD	4/20/2014	Phoeni...	11,568.47	981.56	269.45	1,017.33	11.10	10.94	1.88	1,291.05
12,231.00	92.10	15.90	MWD	4/20/2014	Phoeni...	11,567.50	1,011.39	277.84	1,048.31	2.33	1.94	1.29	1,322.03
12,267.00	92.00	15.50	MWD	4/21/2014	Phoeni...	11,566.21	1,046.02	287.57	1,084.27	1.14	-0.28	-1.11	1,358.01
12,298.00	91.30	14.90	MWD	4/21/2014	Phoeni...	11,565.32	1,075.92	295.70	1,115.24	2.97	-2.26	-1.94	1,388.99
12,329.00	91.40	14.60	MWD	4/22/2014	Phoeni...	11,564.58	1,105.89	303.59	1,146.20	1.02	0.32	-0.97	1,419.98
12,360.00	90.80	14.20	MWD	4/22/2014	Phoeni...	11,563.99	1,135.91	311.30	1,177.16	2.33	-1.94	-1.29	1,450.98
12,392.00	90.20	14.00	MWD	4/22/2014	Phoeni...	11,563.71	1,166.95	319.09	1,209.11	1.98	-1.87	-0.62	1,482.98
12,423.00	89.60	13.50	MWD	4/22/2014	Phoeni...	11,563.76	1,197.06	326.46	1,240.05	2.52	-1.94	-1.61	1,513.98
12,454.00	89.20	13.20	MWD	4/23/2014	Phoeni...	11,564.09	1,227.22	333.62	1,270.98	1.61	-1.29	-0.97	1,544.98
12,486.00	89.00	13.00	MWD	4/23/2014	Phoeni...	11,564.59	1,258.38	340.87	1,302.90	0.88	-0.63	-0.62	1,576.97
12,517.00	87.70	12.30	MWD	4/23/2014	Phoeni...	11,565.48	1,288.62	347.66	1,333.78	4.76	-4.19	-2.26	1,607.96
12,548.00	87.00	11.70	MWD	4/23/2014	Phoeni...	11,566.92	1,318.91	354.09	1,364.62	2.97	-2.26	-1.94	1,638.92
12,579.00	87.40	11.10	MWD	4/23/2014	Phoeni...	11,568.43	1,349.26	360.21	1,395.43	2.32	1.29	-1.94	1,669.89
12,611.00	87.30	10.80	MWD	4/23/2014	Phoeni...	11,569.91	1,380.64	366.29	1,427.20	0.99	-0.31	-0.94	1,701.85
12,642.00	87.60	10.70	MWD	4/24/2014	Phoeni...	11,571.29	1,411.07	372.06	1,457.97	1.02	0.97	-0.32	1,732.82
12,673.00	88.10	10.30	MWD	4/24/2014	Phoeni...	11,572.45	1,441.53	377.71	1,488.74	2.06	1.61	-1.29	1,763.80
12,704.00	89.00	9.90	MWD	4/24/2014	Phoeni...	11,573.24	1,472.04	383.14	1,519.49	3.18	2.90	-1.29	1,794.79
12,764.00	90.10	11.30	MWD	4/24/2014	Phoeni...	11,573.71	1,531.01	394.18	1,579.09	2.97	1.83	2.33	1,854.79
12,795.00	90.60	11.90	MWD	4/24/2014	Phoeni...	11,573.52	1,561.38	400.41	1,609.94	2.52	1.61	1.94	1,885.78
12,821.00	89.80	11.10	MWD	4/26/2014	Phoeni...	11,573.43	1,586.85	405.60	1,635.81	4.35	-3.08	-3.08	1,911.78
12,853.00	89.30	10.70	MWD	4/26/2014	Phoeni...	11,573.68	1,618.28	411.65	1,667.61	2.00	-1.56	-1.25	1,943.78
12,884.00	90.30	10.90	MWD	4/26/2014	Phoeni...	11,573.79	1,648.73	417.46	1,698.42	3.29	3.23	0.65	1,974.78
12,915.00	91.40	12.00	MWD	4/27/2014	Phoeni...	11,573.33	1,679.10	423.61	1,729.26	5.02	3.55	3.55	2,005.78
12,947.00	92.80	12.90	MWD	4/27/2014	Phoeni...	11,572.16	1,710.33	430.50	1,761.13	5.20	4.37	2.81	2,037.76
12,978.00	93.10	14.10	MWD	4/27/2014	Phoeni...	11,570.56	1,740.43	437.73	1,792.02	3.99	0.97	3.87	2,068.71
13,009.00	92.20	15.60	MWD	4/27/2014	Phoeni...	11,569.13	1,770.36	445.67	1,822.96	5.64	-2.90	4.84	2,099.68
13,040.00	91.30	16.00	MWD	4/27/2014	Phoeni...	11,568.18	1,800.18	454.10	1,853.93	3.18	-2.90	1.29	2,130.66
13,071.00	91.10	16.40	MWD	4/27/2014	Phoeni...	11,567.53	1,829.94	462.75	1,884.92	1.44	-0.65	1.29	2,161.66
13,103.00	91.70	16.90	MWD	4/27/2014	Phoeni...	11,566.75	1,860.59	471.91	1,916.91	2.44	1.88	1.56	2,193.65
13,134.00	91.50	17.60	MWD	4/27/2014	Phoeni...	11,565.88	1,890.18	481.10	1,947.90	2.35	-0.65	2.26	2,224.64
13,165.00	90.50	18.70	MWD	4/27/2014	Phoeni...	11,565.34	1,919.64	490.76	1,978.89	4.80	-3.23	3.55	2,255.63
13,196.00	90.60	19.10	MWD	4/27/2014	Phoeni...	11,565.05	1,948.96	500.80	2,009.87	1.33	0.32	1.29	2,286.63
13,227.00	90.40	19.40	MWD	4/27/2014	Phoeni...	11,564.78	1,978.23	511.02	2,040.85	1.16	-0.65	0.97	2,317.63
13,259.00	89.90	19.90	MWD	4/27/2014	Phoeni...	11,564.69	2,008.36	521.78	2,072.82	2.21	-1.56	1.56	2,349.63
13,290.00	89.20	20.30	MWD	4/27/2014	Phoeni...	11,564.93	2,037.48	532.43	2,103.78	2.60	-2.26	1.29	2,380.63
13,321.00	90.20	20.50	MWD	4/27/2014	Phoeni...	11,565.10	2,066.53	543.24	2,134.73	3.29	3.23	0.65	2,411.62
13,353.00	89.80	21.20	MWD	4/27/2014	Phoeni...	11,565.10	2,096.43	554.63	2,166.67	2.52	-1.25	2.19	2,443.62
13,384.00	88.60	20.90	MWD	4/28/2014	Phoeni...	11,565.53	2,125.36	565.76	2,197.60	3.99	-3.87	-0.97	2,474.62
13,415.00	87.00	19.50	MWD	4/28/2014	Phoeni...	11,566.72	2,154.43	576.46	2,228.53	6.86	-5.16	-4.52	2,505.60
13,446.00	86.80	18.90	MWD	4/29/2014	Phoeni...	11,568.40	2,183.67	586.64	2,259.47	2.04	-0.65	-1.94	2,536.55
13,477.00	87.70	18.60	MWD	4/29/2014	Phoeni...	11,569.88	2,212.99	596.59	2,290.42	3.06	2.90	-0.97	2,567.51
13,508.00	87.80	18.50	MWD	4/29/2014	Phoeni...	11,571.10	2,242.35	606.44	2,321.39	0.46	0.32	-0.32	2,598.49



Directional Survey

Well Name: RW 42-25AGR

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal	
Unique Well ID UT100212	Ground Elevation (ft) 5,515.8	Casing Flange Elevation (ft) 5,515.80	Current KB to GL (ft) 30.00	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00	Dry Hole TD Date 6/9/2014 06:00

Survey Data													
MD (ft, KB)	Incl (°)	Azm (°)	Tool Type	Date	Survey Company	TVD (ft, KB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Traverse Distance (ft)
13,540.00	88.70	18.40	MWD	4/29/2014	Phoeni...	11,572.08	2,272.69	616.57	2,353.36	2.83	2.81	-0.31	2,630.48
13,571.00	89.90	19.00	MWD	4/29/2014	Phoeni...	11,572.46	2,302.05	626.51	2,384.35	4.33	3.87	1.94	2,661.47
13,602.00	90.10	19.00	MWD	4/29/2014	Phoeni...	11,572.46	2,331.37	636.60	2,415.33	0.65	0.65	0.00	2,692.47
13,634.00	89.10	18.30	MWD	4/29/2014	Phoeni...	11,572.68	2,361.68	646.83	2,447.32	3.81	-3.13	-2.19	2,724.47
13,665.00	89.50	18.10	MWD	4/29/2014	Phoeni...	11,573.06	2,391.13	656.51	2,478.32	1.44	1.29	-0.65	2,755.47
13,696.00	89.60	18.30	MWD	4/29/2014	Phoeni...	11,573.30	2,420.58	666.19	2,509.31	0.72	0.32	0.65	2,786.47
13,727.00	90.20	18.30	MWD	4/29/2014	Phoeni...	11,573.36	2,450.01	675.93	2,540.30	1.94	1.94	0.00	2,817.47
13,759.00	90.40	18.20	MWD	4/29/2014	Phoeni...	11,573.19	2,480.40	685.95	2,572.30	0.70	0.63	-0.31	2,849.47
13,790.00	91.60	18.40	MWD	4/30/2014	Phoeni...	11,572.65	2,509.83	695.68	2,603.29	3.92	3.87	0.65	2,880.46
13,821.00	91.20	18.30	MWD	4/30/2014	Phoeni...	11,571.89	2,539.24	705.44	2,634.27	1.33	-1.29	-0.32	2,911.45
13,849.00	90.90	18.40	MWD	5/2/2014	Phoeni...	11,571.38	2,565.81	714.25	2,662.26	1.13	-1.07	0.36	2,939.45
13,880.00	90.40	18.40	MWD	5/2/2014	Phoeni...	11,571.03	2,595.23	724.04	2,693.25	1.61	-1.61	0.00	2,970.45
13,911.00	90.50	18.20	MWD	5/3/2014	Phoeni...	11,570.78	2,624.66	733.77	2,724.25	0.72	0.32	-0.65	3,001.44
13,942.00	90.40	18.30	MWD	5/3/2014	Phoeni...	11,570.54	2,654.10	743.48	2,755.24	0.46	-0.32	0.32	3,032.44
13,974.00	90.10	18.30	MWD	5/3/2014	Phoeni...	11,570.40	2,684.48	753.52	2,787.23	0.94	-0.94	0.00	3,064.44
14,005.00	89.80	18.30	MWD	5/3/2014	Phoeni...	11,570.43	2,713.91	763.26	2,818.23	0.97	-0.97	0.00	3,095.44
14,036.00	90.00	17.90	MWD	5/3/2014	Phoeni...	11,570.48	2,743.38	772.89	2,849.23	1.44	0.65	-1.29	3,126.44
14,067.00	90.10	18.00	MWD	5/3/2014	Phoeni...	11,570.45	2,772.87	782.44	2,880.22	0.46	0.32	0.32	3,157.44
14,099.00	90.10	18.30	MWD	5/4/2014	Phoeni...	11,570.40	2,803.28	792.41	2,912.22	0.94	0.00	0.94	3,189.44
14,132.00	90.10	17.70	MWD	5/5/2014	Phoeni...	11,570.34	2,834.66	802.61	2,945.21	1.82	0.00	-1.82	3,222.44
14,163.00	90.40	17.90	MWD	5/5/2014	Phoeni...	11,570.20	2,864.18	812.09	2,976.21	1.16	0.97	0.65	3,253.44
14,194.00	90.90	18.10	MWD	5/5/2014	Phoeni...	11,569.85	2,893.66	821.66	3,007.21	1.74	1.61	0.65	3,284.44
14,226.00	91.50	18.30	MWD	5/5/2014	Phoeni...	11,569.18	2,924.05	831.66	3,039.20	1.98	1.87	0.62	3,316.43
14,257.00	91.80	18.20	MWD	5/5/2014	Phoeni...	11,568.29	2,953.48	841.36	3,070.18	1.02	0.97	-0.32	3,347.42
14,289.00	91.50	18.20	MWD	5/5/2014	Phoeni...	11,567.37	2,983.87	851.35	3,102.16	0.94	-0.94	0.00	3,379.41
14,320.00	91.40	18.20	MWD	5/5/2014	Phoeni...	11,566.58	3,013.30	861.03	3,133.15	0.32	-0.32	0.00	3,410.40
14,352.00	92.60	18.80	MWD	5/6/2014	Phoeni...	11,565.47	3,043.63	871.18	3,165.12	4.19	3.75	1.88	3,442.38
14,383.00	93.50	19.60	MWD	5/6/2014	Phoeni...	11,563.82	3,072.87	881.36	3,196.05	3.88	2.90	2.58	3,473.33
14,415.00	92.10	19.70	MWD	5/6/2014	Phoeni...	11,562.25	3,102.97	892.11	3,227.99	4.39	-4.38	0.31	3,505.29
14,446.00	89.90	19.40	MWD	5/6/2014	Phoeni...	11,561.71	3,132.17	902.48	3,258.95	7.16	-7.10	-0.97	3,536.29
14,478.00	89.30	19.60	MWD	5/6/2014	Phoeni...	11,561.94	3,162.34	913.16	3,290.93	1.98	-1.88	0.63	3,568.29
14,509.00	88.40	18.90	MWD	5/8/2014	Phoeni...	11,562.56	3,191.60	923.38	3,321.90	3.68	-2.90	-2.26	3,599.28
14,539.00	87.60	18.20	MWD	5/8/2014	Phoeni...	11,563.61	3,220.02	932.91	3,351.87	3.54	-2.67	-2.33	3,629.26
14,570.00	87.50	18.30	MWD	5/8/2014	Phoeni...	11,564.93	3,249.43	942.61	3,382.84	0.46	-0.32	0.32	3,660.23
14,601.00	88.40	18.30	MWD	5/8/2014	Phoeni...	11,566.04	3,278.85	952.34	3,413.81	2.90	2.90	0.00	3,691.21
14,633.00	88.80	18.70	MWD	5/8/2014	Phoeni...	11,566.82	3,309.18	962.49	3,445.80	1.77	1.25	1.25	3,723.20
14,664.00	88.30	16.70	MWD	5/8/2014	Phoeni...	11,567.61	3,338.71	971.91	3,476.78	6.65	-1.61	-6.45	3,754.19
14,696.00	87.90	15.70	MWD	5/8/2014	Phoeni...	11,568.67	3,369.42	980.84	3,508.76	3.36	-1.25	-3.13	3,786.17
14,727.00	88.10	15.70	MWD	5/8/2014	Phoeni...	11,569.75	3,399.24	989.22	3,539.73	0.65	0.65	0.00	3,817.15
14,759.00	88.70	15.30	MWD	5/8/2014	Phoeni...	11,570.64	3,430.07	997.77	3,571.70	2.25	1.88	-1.25	3,849.14
14,790.00	89.60	15.80	MWD	5/8/2014	Phoeni...	11,571.10	3,459.93	1,006.08	3,602.69	3.32	2.90	1.61	3,880.14
14,822.00	89.90	16.10	MWD	5/8/2014	Phoeni...	11,571.24	3,490.70	1,014.87	3,634.68	1.33	0.94	0.94	3,912.14
14,853.00	90.20	16.50	MWD	5/8/2014	Phoeni...	11,571.22	3,520.45	1,023.57	3,665.68	1.61	0.97	1.29	3,943.14
14,885.00	90.30	16.50	MWD	5/9/2014	Phoeni...	11,571.08	3,551.13	1,032.66	3,697.67	0.31	0.31	0.00	3,975.14
14,916.00	90.60	16.20	MWD	5/9/2014	Phoeni...	11,570.83	3,580.88	1,041.39	3,728.67	1.37	0.97	-0.97	4,006.14
14,948.00	90.80	17.00	MWD	5/9/2014	Phoeni...	11,570.44	3,611.54	1,050.53	3,760.66	2.58	0.63	2.50	4,038.13
14,979.00	91.00	16.40	MWD	5/9/2014	Phoeni...	11,569.95	3,641.23	1,059.43	3,791.66	2.04	0.65	-1.94	4,069.13
15,010.00	91.10	16.70	MWD	5/9/2014	Phoeni...	11,569.39	3,670.94	1,068.26	3,822.65	1.02	0.32	0.97	4,100.12
15,042.00	91.20	16.70	MWD	5/9/2014	Phoeni...	11,568.74	3,701.58	1,077.46	3,854.64	0.31	0.31	0.00	4,132.12
15,074.00	91.40	17.10	MWD	5/9/2014	Phoeni...	11,568.02	3,732.19	1,086.76	3,886.63	1.40	0.63	1.25	4,164.11
15,105.00	91.60	16.90	MWD	5/9/2014	Phoeni...	11,567.21	3,761.83	1,095.82	3,917.62	0.91	0.65	-0.65	4,195.10



Directional Survey

Well Name: RW 42-25AGR

API 43-047-53682		Surface Legal Location S25-T7S-R22E			Field Name RED WASH		County UINTAH		State UTAH		Well Configuration Type Horizontal	
Unique Well ID UT100212		Ground Elevation (ft) 5,515.8		Casing Flange Elevation (ft) 5,515.80		Current KB to GL (ft) 30.00		KB to CF (ft) 30.00		Spud Date 2/7/2014 06:00		Dry Hole TD Date 6/9/2014 06:00

Survey Data													
MD (ft, KB)	Incl (°)	Azm (°)	Tool Type	Date	Survey Company	TVD (ft, KB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Traverse Distance (ft)
15,137.00	91.70	17.30	MWD	5/9/2014	Phoeni...	11,566.29	3,792.40	1,105.22	3,949.61	1.29	0.31	1.25	4,227.08
15,169.00	92.00	17.20	MWD	5/10/2014	Phoeni...	11,565.25	3,822.95	1,114.71	3,981.59	0.99	0.94	-0.31	4,259.07
15,200.00	92.50	17.80	MWD	5/10/2014	Phoeni...	11,564.04	3,852.49	1,124.02	4,012.57	2.52	1.61	1.94	4,290.04
15,232.00	92.70	18.10	MWD	5/10/2014	Phoeni...	11,562.58	3,882.90	1,133.87	4,044.53	1.13	0.63	0.94	4,322.01
15,263.00	91.60	17.90	MWD	5/10/2014	Phoeni...	11,561.42	3,912.36	1,143.45	4,075.51	3.61	-3.55	-0.65	4,352.99
15,295.00	90.70	17.90	MWD	5/10/2014	Phoeni...	11,560.78	3,942.81	1,153.28	4,107.50	2.81	-2.81	0.00	4,384.98
15,326.00	90.90	17.60	MWD	5/10/2014	Phoeni...	11,560.35	3,972.33	1,162.73	4,138.49	1.16	0.65	-0.97	4,415.98
15,358.00	91.00	18.20	MWD	5/11/2014	Phoeni...	11,559.82	4,002.77	1,172.56	4,170.49	1.90	0.31	1.87	4,447.97
15,390.00	90.40	18.70	MWD	5/11/2014	Phoeni...	11,559.42	4,033.13	1,182.69	4,202.48	2.44	-1.87	1.56	4,479.97
15,421.00	89.60	18.40	MWD	5/11/2014	Phoeni...	11,559.42	4,062.52	1,192.55	4,233.47	2.76	-2.58	-0.97	4,510.97
15,452.00	90.20	19.30	MWD	5/11/2014	Phoeni...	11,559.48	4,091.85	1,202.57	4,264.46	3.49	1.94	2.90	4,541.97
15,484.00	89.70	19.00	MWD	5/11/2014	Phoeni...	11,559.51	4,122.08	1,213.06	4,296.44	1.82	-1.56	-0.94	4,573.97
15,515.00	87.60	19.60	MWD	5/11/2014	Phoeni...	11,560.24	4,151.33	1,223.31	4,327.41	7.05	-6.77	1.94	4,604.96
15,546.00	87.00	19.60	MWD	5/15/2014	Phoeni...	11,561.70	4,180.50	1,233.69	4,358.34	1.94	-1.94	0.00	4,635.93
15,578.00	87.20	19.50	MWD	5/12/2014	Phoeni...	11,563.32	4,210.62	1,244.39	4,390.28	0.70	0.63	-0.31	4,667.88
15,610.00	87.10	19.10	MWD	5/12/2014	Phoeni...	11,564.91	4,240.78	1,254.95	4,422.22	1.29	-0.31	-1.25	4,699.84
15,641.00	87.10	19.50	MWD	5/12/2014	Phoeni...	11,566.48	4,270.00	1,265.19	4,453.16	1.29	0.00	1.29	4,730.81
15,672.00	87.20	19.10	MWD	5/12/2014	Phoeni...	11,568.02	4,299.22	1,275.42	4,484.10	1.33	0.32	-1.29	4,761.77
15,704.00	89.40	20.40	MWD	5/12/2014	Phoeni...	11,568.97	4,329.33	1,286.23	4,516.05	7.98	6.88	4.06	4,793.75
15,736.00	90.90	21.40	MWD	5/12/2014	Phoeni...	11,568.88	4,359.22	1,297.64	4,547.98	5.63	4.69	3.13	4,825.75
15,773.00	89.54	21.67	MWD	5/15/2014	Phoeni...	11,568.74	4,393.64	1,311.22	4,584.87	3.75	-3.68	0.73	4,862.75
15,805.00	87.62	21.81	MWD	5/15/2014	Phoeni...	11,569.53	4,423.35	1,323.07	4,616.76	6.02	-6.00	0.44	4,894.74
15,836.00	87.38	21.73	MWD	5/15/2014	Phoeni...	11,570.89	4,452.11	1,334.56	4,647.64	0.82	-0.77	-0.26	4,925.71
15,867.00	87.47	21.76	MWD	5/15/2014	Phoeni...	11,572.28	4,480.88	1,346.03	4,678.51	0.31	0.29	0.10	4,956.68
15,899.00	87.41	21.22	MWD	5/15/2014	Phoeni...	11,573.71	4,510.62	1,357.74	4,710.39	1.70	-0.19	-1.69	4,988.64
15,930.00	87.32	21.73	MWD	5/15/2014	Phoeni...	11,575.13	4,539.44	1,369.08	4,741.27	1.67	-0.29	1.65	5,019.61
15,961.00	87.22	21.26	MWD	5/15/2014	Phoeni...	11,576.61	4,568.25	1,380.42	4,772.15	1.55	-0.32	-1.52	5,050.57
15,993.00	87.10	21.30	MWD	5/15/2014	Phoeni...	11,578.19	4,598.03	1,392.02	4,804.03	0.40	-0.38	0.12	5,082.54
16,025.00	87.14	20.93	MWD	5/15/2014	Phoeni...	11,579.80	4,627.84	1,403.54	4,835.91	1.16	0.13	-1.16	5,114.50
16,056.00	87.56	21.11	MWD	5/15/2014	Phoeni...	11,581.24	4,656.75	1,414.64	4,866.81	1.47	1.35	0.58	5,145.46
16,088.00	87.29	21.18	MWD	5/15/2014	Phoeni...	11,582.67	4,686.57	1,426.18	4,898.70	0.87	-0.84	0.22	5,177.43
16,119.00	87.10	21.49	MWD	5/16/2014	Phoeni...	11,584.19	4,715.41	1,437.44	4,929.58	1.17	-0.61	1.00	5,208.39
16,150.00	87.08	21.20	MWD	5/16/2014	Phoeni...	11,585.76	4,744.24	1,448.71	4,960.46	0.94	-0.06	-0.94	5,239.35
16,182.00	87.84	20.38	MWD	5/16/2014	Phoeni...	11,587.18	4,774.13	1,460.06	4,992.37	3.49	2.38	-2.56	5,271.32
16,213.00	88.58	19.41	MWD	5/16/2014	Phoeni...	11,588.15	4,803.26	1,470.60	5,023.32	3.93	2.39	-3.13	5,302.30
16,245.00	88.95	20.06	MWD	5/16/2014	Phoeni...	11,588.84	4,833.38	1,481.40	5,055.28	2.34	1.16	2.03	5,334.30
16,276.00	88.77	19.01	MWD	5/16/2014	Phoeni...	11,589.46	4,862.59	1,491.77	5,086.25	3.44	-0.58	-3.39	5,365.29
16,308.00	89.20	19.49	MWD	5/16/2014	Phoeni...	11,590.02	4,892.79	1,502.32	5,118.22	2.01	1.34	1.50	5,397.29
16,340.00	89.01	19.24	MWD	5/16/2014	Phoeni...	11,590.52	4,922.98	1,512.93	5,150.20	0.98	-0.59	-0.78	5,429.28
16,371.00	89.57	20.58	MWD	5/16/2014	Phoeni...	11,590.91	4,952.12	1,523.48	5,181.16	4.68	1.81	4.32	5,460.28
16,402.00	90.46	20.59	MWD	5/17/2014	Phoeni...	11,590.90	4,981.14	1,534.38	5,212.11	2.87	2.87	0.03	5,491.28
16,433.00	90.52	19.88	MWD	5/17/2014	Phoeni...	11,590.63	5,010.23	1,545.10	5,243.06	2.30	0.19	-2.29	5,522.28
16,464.00	90.22	19.46	MWD	5/17/2014	Phoeni...	11,590.43	5,039.42	1,555.54	5,274.03	1.66	-0.97	-1.35	5,553.28
16,495.00	89.66	19.26	MWD	5/17/2014	Phoeni...	11,590.47	5,068.67	1,565.81	5,305.01	1.92	-1.81	-0.65	5,584.28
16,527.00	89.72	19.26	MWD	5/17/2014	Phoeni...	11,590.64	5,098.87	1,576.37	5,336.99	0.19	0.19	0.00	5,616.28
16,559.00	89.91	19.43	MWD	5/17/2014	Phoeni...	11,590.74	5,129.07	1,586.97	5,368.97	0.80	0.59	0.53	5,648.27
16,590.00	90.18	19.04	MWD	5/17/2014	Phoeni...	11,590.72	5,158.34	1,597.18	5,399.95	1.53	0.87	-1.26	5,679.27
16,621.00	90.93	19.07	MWD	5/17/2014	Phoeni...	11,590.42	5,187.64	1,607.30	5,430.93	2.42	2.42	0.10	5,710.27
16,653.00	91.11	19.25	MWD	5/17/2014	Phoeni...	11,589.85	5,217.86	1,617.80	5,462.91	0.80	0.56	0.56	5,742.27
16,684.00	90.95	18.23	MWD	5/18/2014	Phoeni...	11,589.29	5,247.21	1,627.76	5,493.89	3.33	-0.52	-3.29	5,773.26
16,715.00	90.83	18.04	MWD	5/18/2014	Phoeni...	11,588.81	5,276.67	1,637.41	5,524.88	0.72	-0.39	-0.61	5,804.26



Directional Survey

Well Name: RW 42-25AGR

API 43-047-53682		Surface Legal Location S25-T7S-R22E			Field Name RED WASH		County UINTAH		State UTAH		Well Configuration Type Horizontal	
Unique Well ID UT100212		Ground Elevation (ft) 5,515.8		Casing Flange Elevation (ft) 5,515.80		Current KB to GL (ft) 30.00		KB to CF (ft) 30.00		Spud Date 2/7/2014 06:00		Dry Hole TD Date 6/9/2014 06:00

Survey Data													
MD (ft, KB)	Incl (°)	Azm (°)	Tool Type	Date	Survey Company	TVD (ft, KB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Traverse Distance (ft)
16,747.00	90.46	18.70	MWD	5/18/2014	Phoeni...	11,588.45	5,307.03	1,647.49	5,556.87	2.36	-1.16	2.06	5,836.26
16,778.00	90.06	18.84	MWD	5/18/2014	Phoeni...	11,588.31	5,336.39	1,657.47	5,587.86	1.37	-1.29	0.45	5,867.26
16,810.00	89.97	19.15	MWD	5/19/2014	Phoeni...	11,588.30	5,366.64	1,667.88	5,619.85	1.01	-0.28	0.97	5,899.26
16,841.00	90.71	19.32	MWD	5/19/2014	Phoeni...	11,588.12	5,395.91	1,678.09	5,650.83	2.45	2.39	0.55	5,930.26
16,872.00	89.57	19.41	MWD	5/19/2014	Phoeni...	11,588.04	5,425.16	1,688.37	5,681.80	3.69	-3.68	0.29	5,961.25
16,904.00	89.01	19.83	MWD	5/19/2014	Phoeni...	11,588.44	5,455.30	1,699.12	5,713.77	2.19	-1.75	1.31	5,993.25
16,935.00	88.67	18.67	MWD	5/19/2014	Phoeni...	11,589.07	5,484.56	1,709.34	5,744.75	3.90	-1.10	-3.74	6,024.25
16,967.00	87.75	18.87	MWD	5/19/2014	Phoeni...	11,590.07	5,514.84	1,719.63	5,776.72	2.94	-2.88	0.62	6,056.23
16,998.00	87.50	18.17	MWD	5/19/2014	Phoeni...	11,591.35	5,544.21	1,729.47	5,807.68	2.40	-0.81	-2.26	6,087.20
17,030.00	87.82	18.58	MWD	5/19/2014	Phoeni...	11,592.66	5,574.55	1,739.54	5,839.65	1.62	1.00	1.28	6,119.18
17,061.00	88.49	18.80	MWD	5/19/2014	Phoeni...	11,593.65	5,603.90	1,749.47	5,870.62	2.27	2.16	0.71	6,150.16
17,092.00	88.83	18.29	MWD	5/19/2014	Phoeni...	11,594.38	5,633.28	1,759.33	5,901.61	1.98	1.10	-1.65	6,181.15
17,124.00	88.95	19.05	MWD	5/19/2014	Phoeni...	11,595.00	5,663.59	1,769.57	5,933.59	2.40	0.38	2.38	6,213.14
17,155.00	88.71	19.03	MWD	5/19/2014	Phoeni...	11,595.63	5,692.89	1,779.68	5,964.57	0.78	-0.77	-0.06	6,244.14
17,186.00	88.77	18.11	MWD	5/19/2014	Phoeni...	11,596.31	5,722.27	1,789.55	5,995.55	2.97	0.19	-2.97	6,275.13
17,218.00	88.28	17.72	MWD	5/19/2014	Phoeni...	11,597.14	5,752.71	1,799.39	6,027.54	1.96	-1.53	-1.22	6,307.12
17,250.00	88.55	17.94	MWD	5/19/2014	Phoeni...	11,598.02	5,783.16	1,809.19	6,059.52	1.09	0.84	0.69	6,339.11
17,281.00	88.12	17.93	MWD	5/20/2014	Phoeni...	11,598.92	5,812.64	1,818.73	6,090.51	1.39	-1.39	-0.03	6,370.09
17,313.00	88.68	18.27	MWD	5/20/2014	Phoeni...	11,599.82	5,843.05	1,828.67	6,122.49	2.05	1.75	1.06	6,402.08
17,344.00	89.45	18.88	MWD	5/20/2014	Phoeni...	11,600.32	5,872.43	1,838.54	6,153.48	3.17	2.48	1.97	6,433.08
17,376.00	90.65	18.64	MWD	5/20/2014	Phoeni...	11,600.30	5,902.73	1,848.83	6,185.47	3.82	3.75	-0.75	6,465.08
17,407.00	90.74	19.31	MWD	5/20/2014	Phoeni...	11,599.92	5,932.04	1,858.91	6,216.45	2.18	0.29	2.16	6,496.07
17,463.00	89.08	20.25	MWD	5/22/2014	Phoeni...	11,600.01	5,984.73	1,877.86	6,272.39	3.41	-2.96	1.68	6,552.07
17,494.00	89.60	20.71	MWD	5/23/2014	Phoeni...	11,600.36	6,013.77	1,888.71	6,303.34	2.24	1.68	1.48	6,583.07
17,526.00	90.09	20.89	MWD	5/23/2014	Phoeni...	11,600.45	6,043.69	1,900.07	6,335.27	1.63	1.53	0.56	6,615.07
17,557.00	89.72	19.17	MWD	5/23/2014	Phoeni...	11,600.50	6,072.81	1,910.69	6,366.23	5.68	-1.19	-5.55	6,646.07
17,589.00	89.75	18.65	MWD	5/23/2014	Phoeni...	11,600.65	6,103.08	1,921.06	6,398.22	1.63	0.09	-1.63	6,678.07
17,620.00	89.75	18.61	MWD	5/23/2014	Phoeni...	11,600.79	6,132.46	1,930.96	6,429.21	0.13	0.00	-0.13	6,709.07
17,652.00	90.03	18.60	MWD	5/23/2014	Phoeni...	11,600.85	6,162.79	1,941.17	6,461.20	0.88	0.88	-0.03	6,741.07
17,683.00	89.05	17.39	MWD	5/23/2014	Phoeni...	11,601.10	6,192.27	1,950.75	6,492.20	5.02	-3.16	-3.90	6,772.06
17,715.00	88.09	16.36	MWD	5/24/2014	Phoeni...	11,601.89	6,222.88	1,960.03	6,524.18	4.40	-3.00	-3.22	6,804.05
17,746.00	88.27	16.28	MWD	5/24/2014	Phoeni...	11,602.88	6,252.61	1,968.74	6,555.17	0.64	0.58	-0.26	6,835.04
17,777.00	88.52	16.16	MWD	5/24/2014	Phoeni...	11,603.75	6,282.37	1,977.39	6,586.15	0.89	0.81	-0.39	6,866.03
17,808.00	88.77	16.19	MWD	5/24/2014	Phoeni...	11,604.48	6,312.13	1,986.03	6,617.13	0.81	0.81	0.10	6,897.02
17,839.00	89.01	16.07	MWD	5/24/2014	Phoeni...	11,605.08	6,341.91	1,994.64	6,648.12	0.87	0.77	-0.39	6,928.01
17,871.00	89.14	16.14	MWD	5/24/2014	Phoeni...	11,605.60	6,372.65	2,003.51	6,680.11	0.46	0.41	0.22	6,960.01
17,902.00	89.14	16.00	MWD	5/24/2014	Phoeni...	11,606.06	6,402.43	2,012.09	6,711.10	0.45	0.00	-0.45	6,991.00
17,933.00	89.26	16.17	MWD	5/24/2014	Phoeni...	11,606.50	6,432.22	2,020.68	6,742.09	0.67	0.39	0.55	7,022.00
17,965.00	89.32	16.15	MWD	5/24/2014	Phoeni...	11,606.89	6,462.95	2,029.59	6,774.09	0.20	0.19	-0.06	7,054.00
17,996.00	89.26	15.77	MWD	5/24/2014	Phoeni...	11,607.28	6,492.75	2,038.11	6,805.08	1.24	-0.19	-1.23	7,085.00
18,028.00	89.54	15.78	MWD	5/24/2014	Phoeni...	11,607.61	6,523.55	2,046.81	6,837.07	0.88	0.88	0.03	7,116.99
18,059.00	89.91	16.03	MWD	5/24/2014	Phoeni...	11,607.76	6,553.36	2,055.31	6,868.06	1.44	1.19	0.81	7,147.99
18,091.00	90.34	16.10	MWD	5/24/2014	Phoeni...	11,607.69	6,584.11	2,064.16	6,900.05	1.36	1.34	0.22	7,179.99
18,122.00	89.91	15.59	MWD	5/24/2014	Phoeni...	11,607.62	6,613.93	2,072.62	6,931.04	2.15	-1.39	-1.65	7,210.99
18,154.00	89.94	15.49	MWD	5/25/2014	Phoeni...	11,607.66	6,644.76	2,081.20	6,963.03	0.33	0.09	-0.31	7,242.99
18,185.00	89.23	14.58	MWD	5/25/2014	Phoeni...	11,607.89	6,674.70	2,089.24	6,994.00	3.72	-2.29	-2.94	7,273.99
18,217.00	88.64	15.08	MWD	5/25/2014	Phoeni...	11,608.48	6,705.63	2,097.43	7,025.97	2.42	-1.84	1.56	7,305.99
18,248.00	88.52	15.08	MWD	5/25/2014	Phoeni...	11,609.25	6,735.55	2,105.49	7,056.94	0.39	-0.39	0.00	7,336.98
18,280.00	88.61	15.15	MWD	5/25/2014	Phoeni...	11,610.05	6,766.43	2,113.83	7,088.91	0.36	0.28	0.22	7,368.97
18,311.00	89.57	15.96	MWD	5/25/2014	Phoeni...	11,610.55	6,796.29	2,122.14	7,119.89	4.05	3.10	2.61	7,399.96
18,343.00	90.15	16.20	MWD	5/25/2014	Phoeni...	11,610.62	6,827.04	2,131.01	7,151.88	1.96	1.81	0.75	7,431.96



Directional Survey

Well Name: RW 42-25AGR

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal	
Unique Well ID UT100212	Ground Elevation (ft) 5,515.8	Casing Flange Elevation (ft) 5,515.80	Current KB to GL (ft) 30.00	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00	Dry Hole TD Date 6/9/2014 06:00

Survey Data													
MD (ft, KB)	Incl (°)	Azm (°)	Tool Type	Date	Survey Company	TVD (ft, KB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Traverse Distance (ft)
18,374.00	89.91	16.24	MWD	5/25/2014	Phoeni...	11,610.61	6,856.81	2,139.67	7,182.88	0.78	-0.77	0.13	7,462.96
18,406.00	89.04	16.27	MWD	5/25/2014	Phoeni...	11,610.90	6,887.53	2,148.62	7,214.87	2.72	-2.72	0.09	7,494.96
18,437.00	89.04	16.01	MWD	5/26/2014	Phoeni...	11,611.42	6,917.30	2,157.24	7,245.86	0.84	0.00	-0.84	7,525.96
18,469.00	88.55	16.72	MWD	5/26/2014	Phoeni...	11,612.09	6,948.00	2,166.25	7,277.85	2.70	-1.53	2.22	7,557.95
18,501.00	88.15	17.15	MWD	5/26/2014	Phoeni...	11,613.01	6,978.60	2,175.57	7,309.84	1.83	-1.25	1.34	7,589.93
18,536.00	88.58	16.90	MWD	5/28/2014	Phoeni...	11,614.01	7,012.05	2,185.81	7,344.82	1.42	1.23	-0.71	7,624.92
18,567.00	89.02	17.14	MWD	5/28/2014	Phoeni...	11,614.66	7,041.68	2,194.89	7,375.82	1.62	1.42	0.77	7,655.91
18,599.00	89.26	17.00	MWD	5/28/2014	Phoeni...	11,615.14	7,072.27	2,204.28	7,407.81	0.87	0.75	-0.44	7,687.91
18,630.00	89.51	17.60	MWD	5/28/2014	Phoeni...	11,615.48	7,101.87	2,213.50	7,438.81	2.10	0.81	1.94	7,718.91
18,661.00	89.05	16.28	MWD	5/28/2014	Phoeni...	11,615.86	7,131.52	2,222.53	7,469.81	4.51	-1.48	-4.26	7,749.90
18,693.00	89.17	16.03	MWD	5/28/2014	Phoeni...	11,616.36	7,162.25	2,231.43	7,501.80	0.87	0.38	-0.78	7,781.90
18,724.00	89.48	16.09	MWD	5/28/2014	Phoeni...	11,616.73	7,192.04	2,240.01	7,532.79	1.02	1.00	0.19	7,812.90
18,755.00	89.94	15.85	MWD	5/28/2014	Phoeni...	11,616.88	7,221.84	2,248.54	7,563.78	1.67	1.48	-0.77	7,843.90
18,787.00	90.12	15.99	MWD	5/28/2014	Phoeni...	11,616.87	7,252.62	2,257.31	7,595.77	0.71	0.56	0.44	7,875.90
18,819.00	90.03	16.83	MWD	5/28/2014	Phoeni...	11,616.83	7,283.31	2,266.35	7,627.77	2.64	-0.28	2.63	7,907.90
18,853.00	90.50	16.70	MWD	6/1/2014	Phoeni...	11,616.67	7,315.87	2,276.16	7,661.77	1.43	1.38	-0.38	7,941.90
18,884.00	90.40	17.10	MWD	6/1/2014	Phoeni...	11,616.42	7,345.53	2,285.17	7,692.77	1.33	-0.32	1.29	7,972.90
18,916.00	88.40	16.90	MWD	6/1/2014	Phoeni...	11,616.76	7,376.12	2,294.53	7,724.76	6.28	-6.25	-0.63	8,004.89
18,947.00	88.30	16.30	MWD	6/1/2014	Phoeni...	11,617.65	7,405.82	2,303.38	7,755.75	1.96	-0.32	-1.94	8,035.88
18,978.00	88.80	16.30	MWD	6/1/2014	Phoeni...	11,618.44	7,435.56	2,312.08	7,786.74	1.61	1.61	0.00	8,066.87
19,009.00	89.70	15.90	MWD	6/1/2014	Phoeni...	11,618.84	7,465.35	2,320.67	7,817.73	3.18	2.90	-1.29	8,097.87
19,041.00	89.40	16.10	MWD	6/1/2014	Phoeni...	11,619.09	7,496.10	2,329.49	7,849.72	1.13	-0.94	0.63	8,129.87
19,072.00	90.90	16.60	MWD	6/1/2014	Phoeni...	11,619.01	7,525.85	2,338.22	7,880.71	5.10	4.84	1.61	8,160.86
19,104.00	90.30	16.30	MWD	6/2/2014	Phoeni...	11,618.68	7,556.54	2,347.28	7,912.71	2.10	-1.88	-0.94	8,192.86
19,136.00	87.90	15.60	MWD	6/2/2014	Phoeni...	11,619.18	7,587.30	2,356.07	7,944.69	7.81	-7.50	-2.19	8,224.86
19,167.00	87.50	15.70	MWD	6/2/2014	Phoeni...	11,620.42	7,617.13	2,364.43	7,975.66	1.33	-1.29	0.32	8,255.83
19,198.00	88.00	15.40	MWD	6/3/2014	Phoeni...	11,621.64	7,646.97	2,372.73	8,006.62	1.88	1.61	-0.97	8,286.81
19,230.00	90.00	15.40	MWD	6/3/2014	Phoeni...	11,622.20	7,677.81	2,381.23	8,038.60	6.25	6.25	0.00	8,318.80
19,248.00	89.20	14.70	MWD	6/3/2014	Phoeni...	11,622.33	7,695.20	2,385.90	8,056.59	5.91	-4.44	-3.89	8,336.80
19,296.00	89.20	14.70	Extrap.	6/3/2014	Phoeni...	11,623.00	7,741.62	2,398.08	8,104.53	0.00	0.00	0.00	8,384.80



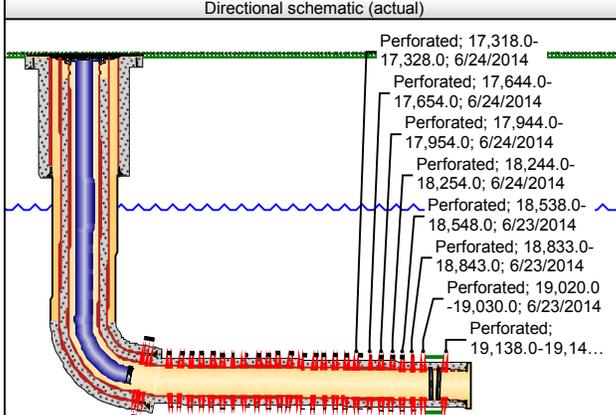
Downhole Well Profile

Well Name: **RW 42-25AGR**

API 43-047-53682	Surface Legal Location S25-T7S-R22E	Field Name RED WASH	County UINTAH	State UTAH	Well Configuration Type Horizontal	
Unique Well ID UT100212	Gr Elev (ft) 5,515.8	Current Elevation 5,545.80, SST 88 - KB 30	KB to CF (ft) 30.00	Spud Date 2/7/2014 06:00	Dry Hole TD Date 6/9/2014 06:00	Total Depth (All) (ft, KB) Original Hole - 19,296.0

Type C-22	Des	Make	Model	WP (psi)	Service	WP Top (psi)	Top Ring Gasket	Bore Min (in)

Horizontal - Original Hole, 6/23/2015 7:59:03 AM



Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (ft, KB)
CONDUCTOR	14 1/2	84.00	J-55		80.0
SURFACE CASING	9 5/8	40.00	N-80	LT&C	4,123.0
INTERMEDIATE CASING	7	29.00	P-110	LTC	11,984.0
PRODUCTION CASING	4 1/2	15.10	HCP110	CDC	19,282.0

Date	Top (ft, KB)	Btm (ft, KB)	Completion
6/28/2014	11,935.0	11,945.0	MESAVERDE, Original Hole
6/28/2014	12,235.0	12,245.0	MESAVERDE, Original Hole
6/27/2014	12,558.0	12,568.0	MESAVERDE, Original Hole
6/27/2014	12,858.0	12,868.0	MESAVERDE, Original Hole
6/27/2014	13,158.0	13,168.0	MESAVERDE, Original Hole
6/26/2014	13,458.0	13,468.0	MESAVERDE, Original Hole
6/26/2014	13,720.0	13,730.0	MESAVERDE, Original Hole
6/26/2014	14,020.0	14,030.0	MESAVERDE, Original Hole
6/26/2014	14,310.0	14,320.0	MESAVERDE, Original Hole
6/26/2014	14,650.0	14,660.0	MESAVERDE, Original Hole
6/26/2014	14,950.0	14,960.0	MESAVERDE, Original Hole
6/26/2014	15,250.0	15,260.0	MESAVERDE, Original Hole
6/26/2014	15,544.0	15,554.0	MESAVERDE, Original Hole
6/25/2014	15,834.0	15,844.0	MESAVERDE, Original Hole
6/25/2014	16,125.0	16,135.0	MESAVERDE, Original Hole
6/25/2014	16,435.0	16,445.0	MESAVERDE, Original Hole
6/25/2014	16,728.0	16,738.0	MESAVERDE, Original Hole
6/25/2014	17,028.0	17,038.0	MESAVERDE, Original Hole
6/24/2014	17,318.0	17,328.0	MESAVERDE, Original Hole
6/24/2014	17,644.0	17,654.0	MESAVERDE, Original Hole
6/24/2014	17,944.0	17,954.0	MESAVERDE, Original Hole
6/24/2014	18,244.0	18,254.0	MESAVERDE, Original Hole
6/23/2014	18,538.0	18,548.0	MESAVERDE, Original Hole
6/23/2014	18,833.0	18,843.0	MESAVERDE, Original Hole
6/23/2014	19,020.0	19,030.0	MESAVERDE, Original Hole
6/23/2014	19,138.0	19,142.0	MESAVERDE, Original Hole

Tubing Description	Run Date	String Length (ft)	Set Depth (ft, KB)				
Tubing - Production	4/29/2015	11,896.84	11,926.8				
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)
Tubing Hanger	1			4 1/2		L-80	0.76
Tubing	36		T&C Non-Upset	2 3/8	4.60	L-80	11,894.66
F- Nipple	1			2 3/8		L-80	0.98
Collar				2 3/8		L-80	0.44

Rod Description	Run Date	String Length (ft)	Set Depth (ft, KB)				
Item Des	Jts	Make	Model	OD (in)	Wt (lb/ft)	Grade	Len (ft)