

1-15-76 - subsequent report of converting  
to water injection.

Scout Report sent out



Noted in the NID File



Location map pinned



Approval or Disapproval Letter



Date Completed, P. & A. or  
operations suspended

9-16-56

Pin changed on location map



Affidavit and Record of A & P



Water Shut-Off Test



Gas-Oil Ratio Test



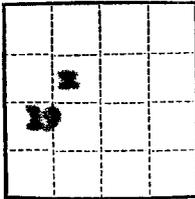
Well Log Filed





(SUBMIT IN TRIPLICATE)

Land Office Salinas Valley  
Lease No. 1-27030  
Unit Red Wash



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL..... <input checked="" type="checkbox"/>	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well (148) (48) 32-19B local 1830 ft. from N line 1980 ft. from E line of 32-19  
32-19 (1/4 Sec. and Sec. No.) T 7 S R 23 E S 14 E (Twp.) (Range) (Meridian)  
Red Wash (Field) Utah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5480.3 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

We propose to drill a test hole for oil or gas to be completed in the lower Green River formation.

Our proposed casing program is:

- 20 3/4" 42.5# J-55 surface set at approximately 100' and cemented to surface.
- 16" 60.5# H-40 conductor csg set at approximately 10' and cemented to surface.
- 7" 23# J-55 production string set through the Green River at approximately 500' with sufficient cement to seal all potential oil or gas zones.

Estimated top of Green River 2950'  
Estimated top of Wasatch 6020'

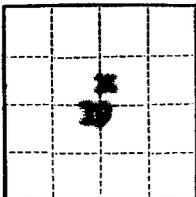
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455

Normal, Utah

By [Signature]  
Title Area Sup't.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. 1-0200

Unit Red Wash

*Handwritten notes:*  
7-1-54  
6/2/50

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		<u>Subsequent Report of DIT #1A</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Verona, Utah May 30, 1954

Well No. 2-108 is located 1830 ft. from N line and 1000 ft. from E line of sec. 10

23 N 10 (1/4 Sec. and Sec. No.) T 7 S (Twp.) R 23 E (Range) S 20 W (Meridian)

Red Wash (Field) Utah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5120.3 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DIT #1A - Interval 2592 - 2612. 9" hole. No WC, no TMC. Packers at 2586, 2592 and 2612. Tool opened with fair blow increasing immediately to good blow. Gas to surface in 1/2 min. Tool open 1 hr. and closed 1/2 hr. Gas flowed thru 2" line at 300 MCFD.

From	IN	IP	FP	SI	FI
Top FIB	1300	20	20	950	1300
Middle FIB	1250	20	20	900	1250
Bottom FIB	- Steady at 1250.				

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

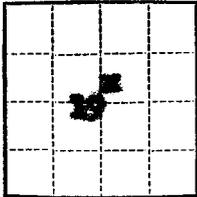
Company The California Company

Address P. O. Box 127

Verona, Utah

By F. L. [Signature]

Title Area Sup'vr



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-07030

Unit Red Wash

*Handwritten notes:*  
Note  
6-2-56

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<del>Subsequent Report of 107 #2</del>	<input checked="" type="checkbox"/>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Normal, Utah June 10, 1956

Well No. (148) 32-1571 is located 1830 ft. from [N] line and 1700 ft. from [E] line of sec. 19

32 15 15 T 1 N R 21 E 1131  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Red Wash Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5120.3 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**107 #2 - Set 3 10000 #2 packers at 1036, 1041 and 1053 to stimulate test zone 1041 - 1053. Workover anchor set at 1050. Tool opened dead, after 15 min. open flushed tool 3 times. After third flush had good blow - first two flushed opened dead. Died in 10 min. after 3rd flush. Tool open 1 hr. at 30 min. Go gas to surface. Recovered 20# mud.**

From	ST	ST	SI	124	PM
Top 5'	0	0	1275	1700	1830
Mid 5'	0	0	2205	1940	1855
BD	107 1957	107 1950			

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

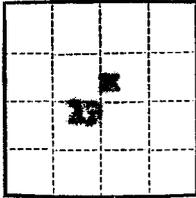
Company The California Company

Address P. O. Box 125,

Normal, Utah

By F. L. Murray

Title Area Sup'vr



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. 8-02890  
Unit Salt Lake

*Yates  
6-21-55*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		<u>Subsequent Report of DIT #3</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah June 12, 1955

Well No. (428) 32-190 is located 1830 ft. from [N] line and 1000 ft. from [E] line of sec. 39

39 42 29 T 7 S R 21 E 3122  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Salt Lake Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5200.3 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DIT #3 - Set 2 10000 lb packers at 3790 - 3812 w/side wall anchor at 3810 to stimulate test 3790 - 3812. No HNC or HC. Tool opened dead. After tool was open 15 min., flushed. Opened dead. T.O. 1 hr., SI 30 min. Recovered 170' SW.

DEPTH	DI	PI	SI	DI	PI
Top FT	0	25	635	1855	1855
Mid FT	20	60	670	1850	1810
END	<u>DIT 1950</u>	<u>FIN 1810</u>			

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

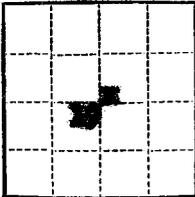
Company The California Company

Address P. O. Box 425

Vernal, Utah

By P. L. Hagg

Title Area Sup't.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office San Joaquin

Lease No. 3-02030

Unit San Joaquin

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<del>Subsequent Report of 7-2-54</del>	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Yreka, Calif. Aug 12, 1956

Well No. 1-172 is located 1370 ft. from N line and 1330 ft. from E line of sec. 19

34 N 13 E (1/4 Sec. and Sec. No.) T7 S (Twp.) R7 E (Range) T1 N (Meridian)  
San Joaquin (Field) Yreka (County or Subdivision) Calif. (State or Territory)

The elevation of the derrick floor above sea level is 5100 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DRILL - Set 2 5/8" packers at 1512 & 1538 w/1 1/2" anchor at 1541 to straddle test interval 1512 - 1538. No H<sub>2</sub>O or H<sub>2</sub>S. Tool opened w/weak blow increasing to good blow in 2 min. and remaining steady. Tool open 1 1/2 hrs, 21 30 min. No gas to surface. Recovered 1660' fluids: 60' mud, 1600' wtr. 830 ppm Cl.

From	17	27	37	47	57
Top WT	105	900	1270	1700	1700
1 1/2" WT	120	720	1270	1685	1685
END	1200	1700	1700		

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

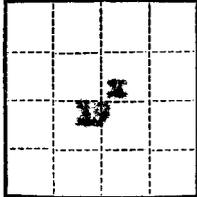
Company The California Company

Address P. O. Box 163

Yreka, Calif.

By F. L. [Signature]

Title Area Sup't.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Fort Linn City  
Lease No. 5-2730  
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
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NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of WPT #6</u>	<u>1</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Wash June 20, 1956

Well No. (748) 21-152 is located 1130 ft. from (N) line and 1900 ft. from (E) line of sec. 10

21 15 23 1401  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Red Wash Walla Wash  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5140.3 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**WPT #6 - Interval 5102 - 5130. 7" Full hole. Johnston straddle test w/washer. No W or BE. Tool opened w/string blank remaining steady. Gas to surface in 7 min. Tool open 1 hr. Closed 1/2 hr. Flowed 1/2 MFD steady.**

Recovered 90° water out mid. Salinity 2. Total gas 62.  
180° and out water. Salinity 600. Total gas 72

	Top MD	Middle MD	Bottom MD
IN	2125	2125	2500
IV	20	20	1000
VF	130	375	*
SI	1900	1960	*
FI	2125	2125	2500

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

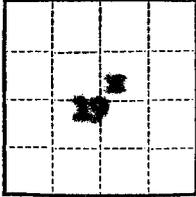
Company The California Company

Address P. O. Box 155

Vernal, Wash

By J. L. Berry

Title Area Sup't.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. 8-02030  
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of 127-27</u>	<u>I</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Parovail, Utah June 21, 1965

Well No. (A8) 20-250 is located 1830 ft. from [N] line and 3900 ft. from [E] line of sec. 29

29 21 29 12 3122  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Red Wash Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5200.3 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**127-27 - Interval 5130 - 5160. Rotation straddle test. No NG or H2O. Flow at 5144 5130 and 5160. Tool opened with weak blow increasing to fair blow in 15 min, decreasing to weak at end of test. Tool open 2 hrs., closed 1 hr.**

**Recovered: 5" black, 11 pour pt oil, 60" oil water & oil cut mud, 270' mud**

oil water salinity 920 ppm  
Pressure  
IN & FN  
IF  
FF  
SI

Top FID  
2695  
0  
135  
2610

Middle FID  
2590  
0  
260  
2620

Bottom FID  
2550  
0  
0  
0

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 165

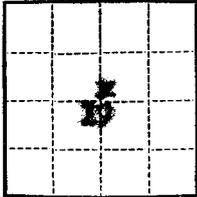
Parovail, Utah

By P. L. Young

Title Area Sup't.

(SUBMIT IN TRIPLICATE)

Land Office Bull Lake City  
Lease No. U-58630  
Unit Red Wash



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<del>Subsequent Report of 1954</del>	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Well No. 1954 is located 1830 ft. from N line and 1980 ft. from E line of sec. 29  
34 (1/4 Sec. and Sec. No.) 7 T. S. (Twp.) 23 R. (Range) 114 W. (Meridian)  
Red Wash (Field) Utah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5100 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

WPT #54 - Interval tested 1951 - 1951. Run set at 1951, 1957 and 1951.  
 Johnston test tool. No MFC. No WC. Opened tool for 2 1/2 hrs. Gas to surface  
 in 2 hrs. 10 min. Gas flow too low to measure. Shut in tool 1/2 hr. Re-  
 covered 60' oil, 120' max. cut oil, 177' water and oil cut mud.

From	IN	17	17	21	21
Top MFD	2100	10	75	1072	2325
Mid MFD	2110	10	80	1100	2350
Bottom MFD	2325				2200

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

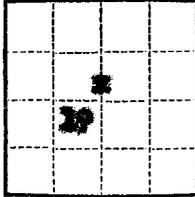
Company The California Company

Address P. O. Box 155

Utah

By F. L. [Signature]

Title Area Dept.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-08039  
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
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NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of INT #8</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Verona, Utah July 4, 1966

Well No. 32-107 (AS) is located 1830 ft. from N line and 1900 ft. from E line of sec. 29

23 N 19 T 5 23 E 111W  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Red Wash (Field) Utah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5180.3 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**INT #8 - Interval 5570-5615 - Johnston straddle test, in 9" hole. Run at 5564, 5570 and 5615. Tool opened 5/week block increasing to fair blow in 27 min., remaining steady. Tool open 1 1/2 hrs., closed 1/2 hr. No gas to surface. No BC or H2S. Run broken hole anchor (tail pipe). Recovered 145' mud and oil, 152' all water and oil out mud, 60' all mud & oil out water. Total 257' fluid.**

	TH	TF	TF	SI	JH	Samples	Gas	Oil	Col
Top FWD	2730	0	100	1500	2660	Top	200	50	60
Middle FWD	2775	0	100	1550	2710	Middle	260	20	280
Bottom FWD	2800	0	0	0	2775	Bottom	100	60	310

Salinity Cl<sup>-</sup> 130; SO<sub>4</sub> 620. ME 122° F.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

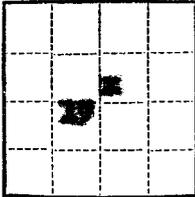
Company The California Company

Address P. O. Box 455

Verona, Utah

By F. L. Murray

Title Area Supt.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. 1-02030  
Unit Salt Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of DST #9</u>	<u>I</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Normal, Utah July 6, 1956

Well No. 12-308 is located 1830 ft. from N line and 1980 ft. from E line of sec. 29

29 7 E 23 E BLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Salt Wash Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5400.3 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**DST #9 - Interval 5731-5769. Lower straddle test w/ hookwall anchor. 9" hole. Run at 5736, 5731 and 5769. No WC or H2O. Tool opened w/ west blow, increasing to good in 7 min., then decreasing to fair at end of test. No gas. Tool opened 1/2 hr., closed 1/2 hr. Recovered 300' water. No oil.**

	IN	IP	FP	SI	SI	Water Sample Salinity
Top BT	2900	73	650	2020	2900	Top 250 ppm Cl
Middle BT	2770	100	680	2025	None	Middle 800 ppm Cl
Bottom BT	3000	None	None	None	2700	Bottom 1150 ppm Cl

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

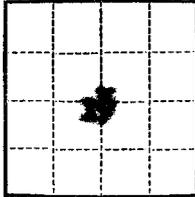
Company The California Company

Address P. O. Box 155

Normal, Utah

By F. L. Henry

Title Area Sup't.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. 3-5793  
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of DST #10</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Verona, Utah July 10, 1956

Well No. (#10) 12-192 is located 1830 ft. from N line and 1980 ft. from E line of sec. 39

19 (1/4 Sec. and Sec. No.) 7 E (Twp.) 23 E (Range) SLM (Meridian)  
Red Wash (Field) Utah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5,200.3 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**DST #10 - Interval 5715 to 5731 - 15000 stroke test w/rockwell anchor, 9" hole. No WC or ZHC. Tool opened w/weak blow decreasing to faint blow at end of test. Tool open 1/2 hr., closed 1/2 hr. Recovered 59h' oil gas and water. Salinity 900 ppm Cl.**

	IN	IF	PF	SI	PH
Top BT	2800	35	270	1950	2775
Shallow BT	2770	32	280	1965	2765
Bottom PFD	2800	-	-	-	2100

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

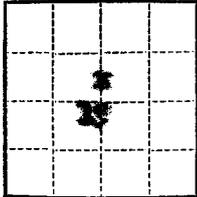
Company The California Company

Address P. O. Box 155

Verona, Utah

By P. L. [Signature]

Title Area Sup't.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. W-2700

Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of W-2700 #11</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah July 17, 1956

Well No. 34299 is located 1300 ft. from N line and 1900 ft. from E line of sec. 10

S&T 104 22 7 S 23 E S10N  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

Red Wash Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5100.3 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

W-2700 #11 - Interval 5978 to 6000 - 2000 strands test w/pump out at 5986, 5992 and 6000. Bottom hole anchor in 9" hole. No BC or HCL. Tool opened w/rock bit in cementing; to good blow in 2 min. Gas to surface in 7 min. Gas measured 115 MGD/day after stabilizing. Tool open 2 hrs. Closed 3 hrs. w/o gas to blow out of drill stem. Recovered - 50' black high pour point oil; 1250' oil & mud cut very 1250' clear water.

	IN	IV	VI	SI	FR
Top RT	1225	260	1185	2060	3085
Middle RT	3095	235	1143	2000	3020
Bottom RTD	3150	-	-	-	3150

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

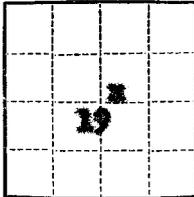
Company The California Company

Address P. O. Box 405

Vernal, Utah

By F. L. [Signature]

Title Area Eng'g.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. 1-02030

Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of IST #12</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah July 21, 1956

Well No. (148) 12-300 is located 1830 ft. from (N) 13 line and 1980 ft. from (E) 19 line of sec. 19

13 19  
(Sec. and Sec. No.)      7 E 23 E 31 W  
(Twp.)      (Range)      (Meridian)  
Red Wash Utah  
(Field)      (County or Subdivision)      (State or Territory)

The elevation of the derrick floor above sea level is 2400 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

IST #12 - Interval 5114 to 5126 - 10000 straddle test w/pipe set at 5108, 5114 and 5126. Hookball anchor in 9" hole. No WC or HHC. Tool opened w/wash blow remaining steady to end of test. Tool open 2 1/2 hrs., closed 1/2 hr. Recovered 35' blk hi pour point oil; 33' wtr & sl oil cut and; 355' sl and cut water

	IR	IP	FP	SI	PH
Top HT	Clock failed to run				
Middle HT	2435	18	120	1305	2340
Bottom HT	2425	-	-	-	2375

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

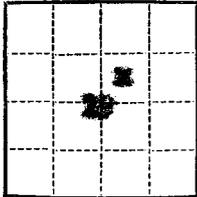
Company The California Company

Address P. O. Box 455

Vernal, Utah

By F. L. Harty

Title Area Supt.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. 3-2703  
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of 1955</u>	<u>I</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Verona, Utah August 10, 1952

Well No. (201) 2-215 is located 1000 ft. from (N) line and 1900 ft. from (E) line of sec. 29

29 7 S 23 E 111M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Red Wash Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5000 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

**WPT #5 - Interval 1960 - 1970. Johnston standard test. No HC or HCL. Features set at 1950, 1960 and 1970. Tool opened with wash flow increasing to good flow and decreasing to fair flow in 15 minutes, remained steady. Tool open 1 1/2 hours, closed 1 hr. Recovered 10' oil, black high pour points; 237' water cut mud, salinity 320 ppm.**

Pressures	Top FSD	Middle FSD	Bottom FSD
IN	2100	2370	2500
IF	0	0	0
FF	0	0	"
SI	935	700	"
PI	2100	2100	2100

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

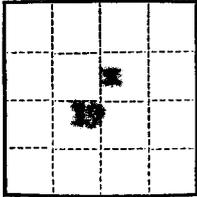
Company The California Company

Address P. O. Box 1455

Verona, Utah

By F. L. Berry

Title Area Eng'g



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. 1-02030  
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of Water to 1/4"</u> <u>Gas casing</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Normal, Utah August 10, 1956

Well No. 22-157 is located 1330 ft. from N line and 3975 ft. from E line of sec. 39

39 39 7.5 23 11W  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Red Wash Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5100.3 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Run 9 in. 10 3/4" c.o., 10.50, 1-55 2000 casing to 333.70' (10) and cemented with 200 cc 10-10 cement. Mixin, time 10 minutes. Pump time 2 minutes. Used float collar and guide line tool joints. Total 5000 gal. Water 10 min. 2.00% polymer produced in 1000 and applied by 100's.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

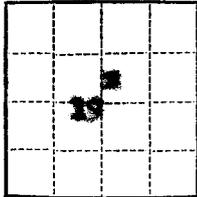
Company The California Company

Address P. O. Box 105

Normal, Utah

By [Signature]

Title Area Rep't.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. 10-130  
Unit 10-130

*Noted  
C.A.H.  
8-20-56*

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Yernal, Utah August 10, 1956

Well No. <sup>(240)</sup> ~~10-130~~ is located ~~1000~~ ft. from <sup>[N]</sup> ~~100~~ line and ~~1000~~ ft. from <sup>[E]</sup> ~~100~~ line of sec. ~~10~~

~~10~~ ~~10~~ ~~10~~ ~~10~~  
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
 Red Wash (Field) Utah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is ~~5000.0~~ ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Perforated Interval 5159 - 60 with 1/2 ballast and squeeze cemented with 350 cc  
 also set cement. 4,000, 12 hrs.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

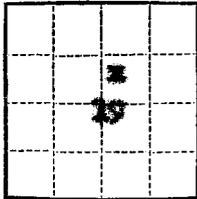
Company The California Company

Address P. O. Box 155

Yernal, Utah

By J. L. [Signature]

Title Area Supt.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office San Francisco City  
Lease No. 3-02170  
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	<u>Subsequent Report of Intention to</u> <u>Close Casing</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Verona, Utah August 10, 1955

Well No. 3-27 is located 1000 ft. from [N] line and 1300 ft. from [E] line of sec. 10

11 (1/4 Sec. and Sec. No.) T 5 (Twp.) 11 E (Range) 11 E (Meridian)  
Red Wash (Field) Utah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5100.3 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Run 1 1/2 in. 7" O.D., 23, 1-35 & 1-40, 8 rd thru new sections casing to 5720 ft.  
Run 3/4 in. 7 1/2" guide shoe & automatic filling float collar, 7-1/2" x 9 1/2" O.D. Run 5  
straight 1 1/2 in. Run 5 in. casing over sta. 1, 2, 3 and 4 of run. Cemented  
w/175 wt cement mix & 100 wt cement cement. (Two plug process). Cleaned out to top  
of float collar at 5720 ft and performed treatments 4975-5000, 5040-5050, 5115-5120,  
5145-5150, 5270-5280 with 3 balls and 3 jets per ft. Sand-oil squeezed intervals  
4975-5000 & 5040-5050 w/2000 gal. of 15 containing 1.5% sand/gal. Sand-oil squeezed  
interval 5115-5120 & 5145-5150 w/3000 gal. of 15 containing 1.5% sand/gal. Sand-  
oil squeezed interval 5270-5280 w/5000 gal. of 15 containing 1.5% sand/gal.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

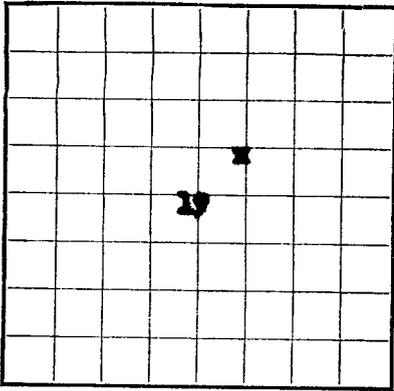
Address P. O. Box 455

Verona, Utah

By P. L. Murray

Title Area Sup't.

U. S. LAND OFFICE Salt Lake City  
SERIAL NUMBER U-02030  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

*notes  
cut  
10-8-56*

LOG OF OIL OR GAS WELL

Company The California Company Address Vernal, Utah  
Lessor or Tract Red Wash Unit Field Red Wash State Utah  
Well No. 32-190 Sec. 19 T. 7S R. 23E Meridian SLPM County Utah  
Location 1830 ft. N of E Line and 1900 ft. N of E Line of Sec. 19 Elevation 5420.3  
(Derrick floor relative to base of well)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed F. L. Morgan  
Title Area Sup't.

Date August 16, 1956

The summary on this page is for the condition of the well at above date.

Commenced drilling May 24, 1956 Finished drilling July 22, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from \_\_\_\_\_ to \_\_\_\_\_ No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from 3524 to 3538 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from \_\_\_\_\_ to \_\_\_\_\_ No. 4, from \_\_\_\_\_ to \_\_\_\_\_

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
<u>10 3/4 7"</u>	<u>40.5</u>	<u>8</u>	<u>Hot 11</u>	<u>393.98</u>	<u>Blow</u>		<u>4975</u>	<u>5130</u>	<u>Surface Pipe</u>
							<u>5115</u>	<u>5130</u>	<u>Oil string</u>
							<u>5337</u>	<u>5151</u>	
							<u>5388</u>	<u>5301</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>10 3/4 7"</u>	<u>393.98</u>	<u>200</u>	<u>HO-00</u>		
	<u>5724.41</u>	<u>275</u>	<u>HO-00</u>		

PLUGS AND ADAPTERS

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ Depth set \_\_\_\_\_  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

FOLD MARK

Heaving plug—Material ..... Length ..... Depth set .....  
 Adapters—Material ..... Size .....

**SHOOTING RECORD**

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

**TOOLS USED**

Rotary tools were used from ..... feet to **6185** feet, and from ..... feet to ..... feet  
 Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

**DATES**

..... **September 21,** 19**56** ..... Put to producing ..... **September 16,** 19**56** .....  
 The production for the first 24 hours was **250** barrels of fluid of which **90** % was oil; ..... %  
 emulsion; **10** % water; and ..... % sediment. Gravity, °Bé. **28.7**  
 If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....  
 Rock pressure, lbs. per sq. in. ....

**EMPLOYEES**

....., Driller .....  
**J. Woodrel**, Driller ..... **S. Marutsky**, Driller  
**C. H. Johnson** .....

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
430	3107	2677	Utah - Shale, siltstone, lit sandstone Top Green River 3107 (4385)
3107	4690	1583	Sandstone, shale, siltstone, tr dolomite
4690	4753	63	Core #1 - 10' Ss, good perm, water sat 4' Ss, ti, rare stn 12' Ss, ti, NS 3' Dol, li, NS 2' Sh & Siltst (Depth correction 4753 = 4752)
4755	4844	89	Core #2 - 13' Ss, low perm, dk brn stn, musty odor 7' Ss, ti, patchy stn, 7' Ss, ti, NS 62' Sh & Siltst
4844	4916	72	Core #3 - 15' Ss, good perm, water wet 22' Ss, ti, rare patchy stn, mainly NS 24' Dol, li, NS 33' Siltst & Sh
4916	4923	7	(drilled) - Ss, siltst, Sh, (NS)
4923	4986	63	Core #4 - 11' Ss, good perm, even brn stn, gas y pet odor
FROM	TO	TOTAL FEET	FORMATION
51	52	1	5' Ss, ti, patchy brn stn, fnt pet odor
52	53	1	6' Ss, ti, NS

5786 5825

5786	5825	39	Core #17 - 26' Ss, Good perm, MS 3' Ss, lite, MS 8' Sh & Siltst 1' not rec'd
5825	5914	89	Core #18 - 22' Ss, lite, MS 11' Siltst & Sh

### HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

DATE	DEPTH	DESCRIPTION	REMARKS
Red Wash Unit 32-190 (#18) was spudded May 21, 1956. A 9" hole was drilled to 4690'. Well was cored continuously from 4690 to 6186. Twelve drill stem tests were run before running 7" casing and cementing. PWD is 5646. Well was perforated 4975 - 4986, 5040 - 5050, 5115 - 5130, 5137 - 5151 and 5570 - 5604 with 3 lts and 3 bullets per foot. Tubing was landed at 5580 with Lane Wells tool retrievable packer set at 5542.			
No. 3' from	to	No. 0' from	to
No. 5' from	to	No. 2' from	to
No. 1' from	to	No. 4' from	to

(Reverse gas rd C)

### OIL OR GAS SANDS OR ZONES

Completed drilling \_\_\_\_\_ 1952 Finished drilling \_\_\_\_\_ 1952

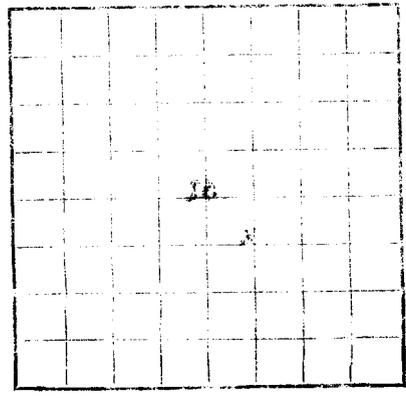
The summary on this page is for the condition of the well at above date

Date \_\_\_\_\_ Title \_\_\_\_\_  
Signed \_\_\_\_\_

The information given hereon is a complete and correct record of the well and all work done thereon

Location \_\_\_\_\_ of \_\_\_\_\_ line and \_\_\_\_\_ of \_\_\_\_\_ line of \_\_\_\_\_  
 Well No. \_\_\_\_\_  
 Possor of \_\_\_\_\_  
 Company \_\_\_\_\_ Address \_\_\_\_\_ State \_\_\_\_\_

### LOCAL WELL CORRELATION



### LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY  
DEPARTMENT OF THE INTERIOR  
UNITED STATES

DATE OF PERMIT TO PRODUCE \_\_\_\_\_  
 SERIAL NUMBER \_\_\_\_\_  
 U. S. FIELD OFFICE \_\_\_\_\_  
 WELL PERIOD EXPIRES 12-31-22  
 BUCKET NUMBER NO. 45-B-3023

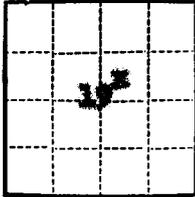
FORMATION RECORD - Continued

9961 8 100

FROM	TO	TOTAL FEET	FORMATION
4986	5045	59	Core #5 - 10' Ss, low para, patchy to ev brn stn, 7' Ss, ti, lit patchy brn stn, fnt pet odor 6' Ss, low para, wet, NS 36' Sh & Siltst (Depth correction 5045 = 5047)
5047	5127	80	Core #6 - 29' Ss, fair para, spotty to evn brn stn, good pet odor 12' Ss, ti, NS 3' Ss, ti, patchy brn stn, fnt pet odor 36' Sh & Siltst
5127	5214	87	Core #7 - 27' Ss, fair para, low to evn brn stn, pet odor 6' Ss, low para, wet, NS 11' Ss, tite, NS 43' Siltst & Sh
5214	5258	44	Core #8 3' Ss, fair para, rare dead stn, musty odor 11' Ss, low para, NS 11' Ss, tite, NS 3' Dol, tite 14' Sh & Siltst 2' not rec'd
5258	5347	89	Core #9 - 2' Ss, low para, brn stn, pet odor 40' Ss, tite/low para, NS
5347	5419	72	Core #10 - 2' Ss, fair para, patchy brn stn, pet odor 29' Ss, ti to low para, NS 41' Siltst & sh
5419	5475	56	Core #11 - 9' Ss, ti, NS 11' Dol, NS 36' Sh & Siltst
5475	5565	90	Core #12 - 6' Ss, low para, rare brn stn 83' Sh & Siltst 1' not rec'd
5565	5608	38	Core #13 - 8' Ss, fair para, evn brn stn, pet odor 19' Ss, ti to low para, low stn, scat pet odor 17' Siltst & Sh
5608	5691	80	Core #14 - 3' Ss, fair para, brn stn, pet odor 27' Ss, ti, rare patchy stn 58' Sh & Siltst
5691	5766	75	Core #15 - 27' Ss, ti, patchy to evn brn stn, pet odor 10' Ss, tite, NS 36' Sh, minor siltst

FORMATION RECORD-CONTINUED

5914	5988	74	Core #19 - 7' Ss, low perm, patchy to evn brn stn, pet odor 9' Ss, fair perm, wet, NS 16' Ss, tite, NS 39' Sltst & Sh 3' Dol, tite, NS
5988	5993	5	Drilled
5993	6053	60	Core #20 - 8' Ss, good perm, evn brn stn, 2' Ss, good perm, NS, wet, 35' Ss, tite to tr perm, NS 8' Dol, tite, NS 5' Sh & Sltst 2' not rec'd
6053	6143	90	Core #21 - 4' Ss, low perm, patchy stn, pet odor 38' Ss, tite, NS 48' Sh & Sltst
			(Top Wasatch 6124')
6143	6146	3	Drilled
6146	6186	40	Core #22 - 3' Ss, tite, patchy stn, gassy odor 8' Ss, tite, NS 24' Sh, red-brn w/less grn & Sltst 5' not rec'd
TD:	drlr 6186 Schl 6186		



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-02030  
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO <del>ALTER</del> ALTER CASING.....	<input checked="" type="checkbox"/>	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

December 2, 1959

Well No. 32-19B(48) is located 1980 ft. from N line and 1980 ft. from E line of sec. 19 B

NE Sec. 19 B T 7 S R 23 W 10M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Red Wash Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 5492 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

- Locate and exclude gas sand interval 5154-5040'.
- Sand-Oil squeeze remainder of perforated intervals in Lower Green River intervals now perforated: 5604-5570, 5154-5137, 5130-5115, 5050-5040.
- Return well to production.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Standard Oil Company of California, Western Operations, Inc.

Address Box 455

Vernal, Utah

By C. V. Chafferton 12/2/59

Title Dist. Supt. - Red Wash

USGS-3, GAGCC-1; Gulf-1;  
Gaulkine-1; CWG-1, File-1

RPL

RE-COMPLETION

REPORT

STANDARD OIL COMPANY OF CALIFORNIA

OTGCC 7

FIELD: Red Wash

PROPERTY: Section 19B

WELL NO: 32-19B (48)

Sec. 19 T. 7S R. 23E S.L.B. & M.

Following is complete and correct record of all work done on the well since the previous record dated August 16, 1956

PURPOSE OF WORK: Scab gas sand and sand-oil squeeze.

DATE OF REPORT: March 8, 1961

BY G. V. CHATTERTON  
Supt. ~~Manager~~, Producing Department

WORK DONE BY: R&R Well Service

COMMENCED OPERATIONS: January 7, 1960

COMPLETED OPERATIONS: January 29, 1960

DATE WELL LAST PRODUCED: January 7, 1960

DATE RETURNED TO PRODUCTION: February 8, 1960

PRODUCTION:	PRIOR TO WORK	AFTER WORK
Oil . . . . .	53 B/D	28 B/D
Water . . . . .	1 B/D	80 B/D
Gas . . . . .	57 Mcf/D	620 Mcf/D
Gravity . . . . .	29.0 °API	29.0 °API
Tubing . . . . .	100 PSIG	150 PSIG
Casing . . . . .	- PSIG	- PSIG
Method of Production: Pumping . . . . .	X	X
Flowing . . . . .		
Gas Lift . . . . .		

SUMMARY

T.D.: 6186'

EFFECTIVE DEPTH: 5645'

CASING: 10-3/4", 40.5#, J-55 cmtd 394'  
7", 23#, J&N cmtd 5726'.

PERFORATIONS: 3 jts and 3 bullet holes/foot  
5115-5130', 5137-5154',  
5570-5604'. Perforations  
4975-4986' and 5040-5050'  
scabbed with cement. 3 abrasi-  
jet holes at 4983', CP  
5159-5160'

TUBING: See detail page 5 of this report.

15  
17  
34  
6

WELL NO: 32-19B (48)

PROPERTY: Section 19B

RED WASH FIELD

HISTORY

Subject well 32-19B (48) was completed in the Jg - Jg intervals of the Lower Green River formation in September 1956 for 168 B/D oil, 11 B/D water and 89 M/D gas. Production declined to 93 B/D oil, 68 B/D water and 62 M/D gas by January 1960. Known gas sands are presently excluded with a tubing packer.

It is proposed to scab off gas sand and sand oil squeeze sands in the H interval in order to improve production.

PROGRAM

1. Move in workover rig. Bleed down 2-1/2" x 7" annulus and fill with burner fuel. Fill tubing with burner fuel, pull rods and install BOPE.
2. Pull packer loose and pull tubing. If well cannot be controlled with burner fuel, displace hole full with formation water.
3. Set retrievable bridge plug near 5200'. Run full bore retainer and test retrievable plug to 3000 psi.
4. Set full bore retainer near 5070' and attempt to establish circulation with up to 3000 psi. If circulation established further program will be furnished.
5. Swab interval 5115-5154' to establish type of fluid and/or gas entry, and rates. If gas entry not located in this interval, swab test intervals 5040-5050' and 4986-4975' each to establish gas entry.
6. After establishing gas entry, remove retrievable bridge plug, isolate perforations with magnesium bridge plug and full bore retainer. Squeeze interval in up to 100 sack stages (exact amount to depend on breakdown) with common cement until final pressure of 3000 psi is obtained. Use hesitation method, pressure 7" x 2-1/2" annulus to 1000 psi while squeezing. If 3000 psi not obtained, clear holes by 1 bbl, wait 4 hours and resqueeze until 3000 psi final pressure is obtained.
7. Wait 16-20 hours, drill out cement to retainer.
8. Drill out bridge plug and clean out to effective depth.
  - a. If water used during previous operations, land tubing above uppermost perms in hanger above annulus frac head, displace water with oil and frac down casing tubing annulus.
9. Sand oil squeeze (do not exceed 2800 psi) using Braden head method with 12,000 gallons burner fuel, 36,000# 20-40 Ottawa sand, and 36 millicuries radioactive tracer (1 MC/1000#).

WELL NO: 32-19B (48)

PROPERTY: Section 19B

RED WASH FIELD

- a. Pump in 2000 gallons with 2#/gal.
  - b. Pump in 2000 gallons with 3#/gal.
  - c. Pump in 2000 gallons with 4#/gal.
  - d. Inject 60 ball sealers
  - e. Repeat steps a-c.
  - f. Flush with 190 bbl burner fuel.
10. Clean out sand and balls to 5645'. Run McCullough tracer log.
  11. Run 2-1/2" tubing with gas anchor on bottom below 10' pup and PSN. Land tubing near 5500', hang in offset tubing flange. Move off workover rig.
  12. Move in gin pole, run pump and rods. Place well on production.

WORK DONE

January 7, 1960

R&amp;R Well Service moved in and rigged up pulling rig.

January 8, 1960

Pulled production string rods, attempted to kill well with oil.

January 9, 1960

Killed well with water, tried to unseat packer.

January 10, 1960

Killing well.

January 11, 1960

Pulled production string tubing, left production packer and gas anchor in hole.

January 12, 1960

Killed well with 8.9#/gal. gel-water mud.

January 13, 1960

Pulled packer and gas anchor out with spear.  
Ran Baker retrievable plug and full bore packer.

January 14, 1960

Set B.P. at 5200', full bore at 5070'. Tested zones 5159-5070' for gas, no gas.  
Set B.P. at 5070', full bore at 5010'.

January 15, 1960

Swabbed interval 5040-5050'. Swabbed 7 hrs. First 6 hrs swabbed 35 bbl mud, water with some Red Wash crude toward last. Fluid level remained constant at 1700-1800'. Last 1 hr swabbed to reserve pit Red Wash crude, water and gas.

January 16, 1960

Continued swab test of int 5040-5050' with bridge plug set at 5070 and full bore retainer at 5010'. After standing 14 hours tubing had 800 psi pressure.

WELL NO: 32-19B (48)

PROPERTY: Section 19B

RED WASH FIELD

7:00-8:45 flowed Red Wash, water and gas by heads.  
 8:45-9:15 shut in tbg press rose to 325 psi in 30 min.  
 9:15-9:40 flowed Red Wash crude, water and gas by heads.  
 9:40-10:10 shut in TP rose to 350 psi in 30 min.  
 10:10-10:40 flowed as above.  
 10:40-11:15 shut in TP rose to 450 psi in 25 min.  
 11:15-11:25 flowed as above.  
 11:25-11:50 shut in TP rose to 550 psi in 25 min.  
 11:50-12:10 flowed as above.  
 12:10-12:35 shut in TP rose to 450 psi in 25 min.  
 Unseated F. B. retainer and circulated tubing full of mud. Reseated F.B. and press tested interval 5040-5050' to 1100 psi to determine effectiveness of cement bond in int 5040-4986'. Held OK.  
 Set B.P. at 5020' and F.B. retainer at 5010' and tested B.P. to 1200 psi. Held OK.  
 Pulled F.B. retainer up to 4920' and rigged up to swab int 4975-4986'.  
 Shut well in for night.

January 17, 1960

Made 5 swab runs and could not swab lower than 350' due to cold Red Wash crude on top.

Opened unloader and pumped in 20 bbl Rangely crude and closed unloader valve. Rigged up and made two runs to 300' and well began to flow by heads mud, Rangely crude and water, changing to muddy water, gas and Red Wash crude. Shut in at surface and press rose to 400 psi in 3 min. Gas rate est at 150-200 M/D at first and incr to an est 500 M/D after flowing well 1-1/2 hrs.

January 18, 1960

Set Baker magnesium bridge plug at 5065'.

January 19, 1960

Set Baker Model K magnesium retainer at 4955'.  
 With bridge plug at 5065' and retainer at 4955' recemented perforated interval 4975-4986' and 5040-5050' with 150 sax Ideal common cement. Pumped in 10 bbl water under 1650 psi at 6 BPM rate. Pumped in 150 sax cement mixed to an average 15.5#/gal slurry. Displaced cement with 20 bbl water which squeezed 90 sax cement into perforated interval. Staged last 60 sax during 2 hrs 20 min with a max press build up to 1500 psi. Cleared holes by 3 bbl water and cleared tool with 7 bbl water. Backed off retainer and reversed out 30 bbl water with no cement returns to sfc. 2 hrs 45 min mixing and pumping cement to place. Cement in place 4:30 P.M. Used Halliburton equipment.

January 20, 1960

Cmt squeeze #2 of perforated interval 4975-4986' and 5040-5050'. Pumped away 10 bbl water at 2600 psi at 3 BPM rate to break down perforations. Pumped in 60 sax Ideal common cement and displaced with 25 bbl water to force an est 39 sax away under 3200 psi final pressure. Backed off retainer and circulated out an estimated 4-1/2 bbl (21 sax) cement. 40 min mixing and pumping cement to place. Cement in place at 9:30 A.M. Used Halliburton equipment.

WELL NO: 32-19B (48)

PROPERTY: Section 19B

RED WASH FIELD

January 21, 1960

Drilled out retainer at 4955' and drilled out hard cement 4957-4995' and firm cement to 5023'.

January 22, 1960

Ran Dowell abrasijet with collar locator. Checked collars 4658½, 4697, 4738, 4777, 4818, 4896, 4936½'. Cut 3 holes with abrasijet at 4985' tbg meas - 4984' Schl meas.

January 23, 1960

Ran tubing with mill shoe and cleaned out sd.

January 24, 1960

JFT interval 4945-5020' (3 abrasijet holes at 4984'). Ran M. O. Johnston hookwall packer and hydraulic testing tool on dry 2-1/2" 6.5# UE tubing. Set packer at 4945', tail to 4973'. Opened tool at 8:10 A.M. for 2 hr test. Had weak blow (est 3-5 MCF/D) throughout test. Shut tool at 10:10 for 45 min FSIP. Pulled tools and rec 300' oily water. Top est 30% Red Wash crude grading to less than 10% Red Wash crude at bottom. Balance water, brackish, 1.60 ohmmeters at top to 1.40 ohmmeters at tool. Sample from ditch not available. Charts indicate tool open 2 hours.

Pressure Data	IHP	IFP	FFP	FSIP	FHP
	2190	35	145	1355	2150

January 25, 1960

Sand-oil squeezed holes at 4984' w/100 bbls burner fuel, 11,800# 20-40 sand, 200# admixts. Used Dowell equipment. Unable to break FM down w/3000 psi. Spotted 200 gals Dowell M-38 mud acid, let pickle 50 mins. FM broke 2600 - feeding 12 BPM. Std up 2nd truck and pumped in 1000 gals w/one#/gal, pumped 1000 gals w/2#/gal, pumped in 2200 gals at 4#/gal, all at 2850-2900 psi w/16BPM avg rate. Sand on formation pressure went to 3000 psi, slowed pumps to 10.9 BPM, started flush. Lost suction due to set up crude, had to slow trucks to avg 10 BPM. Pumped in 141 bbls of 155 bbl flush when pres went from 2100 psi to 3000 psi. Sanded out. Ins shut dn pres 3000 psi (due to sd out).

January 26, 1960

Circulated out sand from 4650-4955'.

January 27, 1960

Cleaned out sand 4955-5023' and drld out cement and bridge plug 5023-5067'. Drilled on plug and chased to bottom. Cleaned out to 5645'.

January 28, 1960

Ran production string tubing, hung at 5315'.

Tubing detail:

1 G.A.	28.20'
1 Sub	10.04'
1 P.S.N.	0.95'
12 Jts, J-55	357.10'
1 Page Anchor	1.45'
1 Baker Safety J	0.90'
164 jts 2½", J-55	4903.96'
K.B.D.	12.00'
Total	5314.70'

WELL NO: 32-19B (48)

PROPERTY: Section 19B

RED WASH FIELD

Ran rods and pump.

Rod detail:

1 pump Sarg. No. 27

78 x 3/4" x 25' Plain

68 x 3/4" x 25' With H.

63 x 7/8" x 25' With H.

1-4' x 7/8" plain - 1-8' x 7/8" with H.

1-6' x 7/8" plain - Top 1-22' P.R.

January 29, 1960

Hung well on. Rigged down unit.

R. H. SELF

Copy H.L.C.

Budget Bureau No. 42-R358.4  
Approval expires 12-31-60.

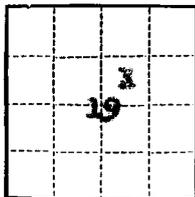
Form 9-331a  
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. U-02030

Unit Red Wash



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....		SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	X	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah July 19, 1962

Well No. (32-19B) 48 is located 1980 ft. from [N] line and 1980 ft. from [E] line of sec. 19

S 1/4 NE 1/4 19 7S 23E SLBM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Red Wash Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

Kelly Dushing

The elevation of the ~~summit floor~~ above sea level is 5492 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is proposed to:

1. Abrasiperf 3 - 60° horizontal slots at 5045'.
2. Run temperature survey and exclude gassy zone with latex cement.
3. Return well to production.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company California Oil Company, Western Division

Address P. O. Box 455

Vernal, Utah

Original Signed by  
R. W. PATTERSON

By R. W. PATTERSON

Title Field Superintendent

USIS, SLG-3; OAGCU, SLG-1; Gulf, Denver-1; Coulkins-1; RLQ-1; File-1

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
**Chevron Oil Company - Western Division**

3. ADDRESS OF OPERATOR  
**P. O. Box 599 Denver, Colorado 80201**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
**1980' FNL & 1980 FEL (SW 1/4 NE 1/4)**

14. PERMIT NO. \_\_\_\_\_ 15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
**DF 5480'**

U-02030

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_

7. UNIT AGREEMENT NAME  
**Red Wash Unit**

8. FARM OR LEASE NAME  
**Red Wash Unit**

9. WELL NO.  
**48 (32-19B)**

10. FIELD AND POOL, OR WILDCAT  
**Red Wash**

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
**S 19, T7S, R23E**

12. COUNTY OR PARISH  
**Uintah**

13. STATE  
**Utah**

**Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input checked="" type="checkbox"/>	

(Other) **Convert to Water Injection**

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

See attached procedure

AD1 # 43-047-15174

APPROVED BY DIVISION OF OIL & GAS CONSERVATION  
DATE 8-24-75  
BY C.B. Feight

3-USEGS  
2-STATE  
1-LA  
1-FILE

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

SIGNED J. A. Mishler TITLE Engineering Assistant DATE 8-22-75

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

Red Wash Unit #48 (32-19B)  
Convert to Water Injection

PRESENT STATUS

Total Depth: 6185'

PBTD: 5645'

Casing: 7" 23# J-55 & N-80 cmtd @ 5726

Perfs: Open - 3 abrasijet holes 4984 (H), 3 - 60° abrasijet shots  
5045 (H<sub>B</sub>), 3 - bullets/ft & 3 jets/ft 5115-30, 5137-54, 5570-5604.

Excluded - 3 bullets & 3 jet/ft 4975-86, 5040-50.  
4 bullets/ft 5159-60 (all excluded w/cmt.)

PROCEDURE

1. Run CBL w/collar locator & Gamma Ray from 5240 to top of cmt. *NOT LESS THAN 4600'*
2. TIH w/6-1/8" bit, scraper and tbg. Circ hole clean w/water to 5250'. POOH.
3. RIH w/CIBP on wireline and set at 5250. Spot 10' cmt on top w/dump bailer.
4. TIH w/pkr & RBP. Set RBP @ 5075 and spot 10' of sand on top. Set pkr @ 5030'. Cement squeeze perf 5045 (3 - 60° abrasijet slots) to 2500 psi.
5. POOH w/pkr. TIH w/6-1/8" bit, DC & tbg w/scraper. Clean out to top of RBP. POOH. TIH & retrieve BP. POOH.
6. Perforate following intervals w/2 shots/ft correct depth to Schlumberger E log (7/20/56 Run #2).

4977-93	16'	H - H <sub>89</sub>
4997-5011	14'	H <sub>A</sub> - H <sub>A99</sub>
5086-5095	9'	H <sub>C</sub> 40,60

7. TIH w/RBP & pkr. Straddle the following intervals and acidize w/inhibited 15% HCl containing 5 gal/1000 gal scale inhibitor, 2 gal/1000 gal anti-sludge agent, and iron sequestering agent. Drop one ball per 15 gals acid (273 balls - total). Precede acid w/equal volume of fresh water preflush containing 5 gal/1000 gal scale inhibitor. Swab spent acid water back prior to moving to next interval.

<u>Interval</u>	<u>Acid Volume</u>	<u>Ball Sealers</u>
4977-5011	1000 gals	63
5086-5095	300 gals	18
5115-5154	1000 gals	192
	<u>2300 gals (total)</u>	<u>273 balls (total)</u>

8. POOH w/pkr & RBP. TIH w/Model "AD-1" tension pkr (Baker) & inj string. Hydrotest tbg to 4000 psi. Land pkr @ 4950±. Put well on injection.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TR DATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-02030

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR		Red Wash Unit
3. ADDRESS OF OPERATOR		8. FARM OR LEASE NAME
Chevron Oil Company - Western Division		Red Wash Unit
9. WELL NO.		48 (32-19B)
10. FIELD AND POOL, OR WILDCAT		Red Wash
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA		S 19, T7S, R23E
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	12. COUNTY OR PARISH
	DF 5480'	Utah
		13. STATE
		Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input checked="" type="checkbox"/> converted to Water Inj. X	
(Other) <input type="checkbox"/>		(NOTE: Report Results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

1. Pulled rods, pump & tubing.
2. Set Baker CIBP @ 5250'. Spotted 10' cement on top.
3. Cement squeezed perf 5045 w/200 sx.cement to 2500 psi.
4. Perforated the following zones w/2 shots/ft: 4977-4993; 4997-5011; 5086-5095.
5. Acidized as follows:

Interval	Amt of Acid
5115-5154	1000 gals 15% HCl
5086-5095	300 gals 15% HCl
4977-5011	1000 gals 15% HCl

6. Ran Baker Model "AD-1" Tension pkr & 2-7/8" tubing to 4956.77'.

Injection Rate: Still laying lines. Will not start injection until middle February.

Date Started: 12-03-75  
Date Completed: 12-10-75

- 3 - USGS
- 2 - State
- 1 - LA
- 1 - File



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

SIGNED Jennifer A. Mishler TITLE J. A. Mishler DATE 1-15-76  
Engineering Assistant

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other Injection

2. NAME OF OPERATOR  
CHEVRON U.S.A. INC.

3. ADDRESS OF OPERATOR  
P. O. Box 599, Denver, CO 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1980'FNL & 1980'FEL (SW $\frac{1}{4}$  NE $\frac{1}{4}$ )  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) <u>Cut Squeeze</u>	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE  
U-02030

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Red Wash Unit

8. FARM OR LEASE NAME

9. WELL NO.  
48 (32-19B)

10. FIELD OR WILDCAT NAME  
Red Wash

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
S19, T7S, R23E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
DF 5480'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

It is proposed to cement squeeze all exposed perforations. Drill out CIBP and expose Jg sand as per attached procedure.

- 3-USGS
- 2-State
- 3-Partners
- 1-Field Foreman
- 1-Sec 723
- 1-File

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: \_\_\_\_\_  
BY: \_\_\_\_\_

No additional surface  
disturbance required  
for this activity.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED Arthur F. Oval TITLE Engineering Assist DATE October 21, 1981

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

WELL NAME: 48 (32-19B)

FIELD: Red Wash

PROPOSED TREATMENT PROCEDURE

1. Objective: It is proposed to cement squeeze exposed perfs and expose the J<sub>E</sub> sand to injection.
2. Size and type of treatment: 4,000 gal MOD-202 Acid.
3. Intervals to be treated:  
5570-5604 (J<sub>E</sub> - Sand)
4. Treatment down casing or tubing: Tubing
5. Method of localizing its effects: Over flush acid to formation using injected water.
6. Disposal of treating fluid: Flow spent acid to frac tank.
7. Name of company to do work: Halliburton, Dowell or Western
8. Anticipated additional surface disturbances: None
9. Estimated work date: 11/1/81
10. Present status, current production and producing interval:

Date

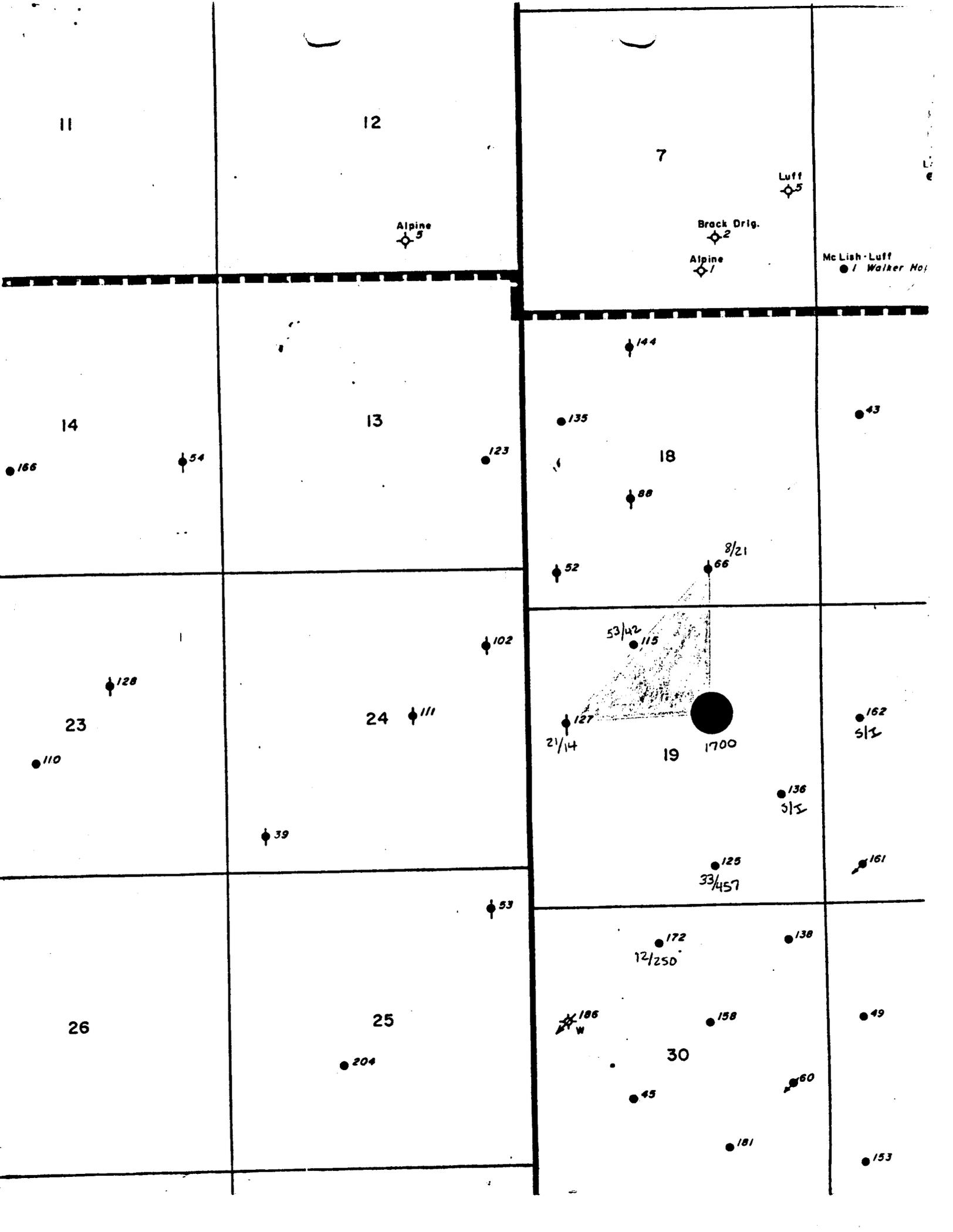
BOPD

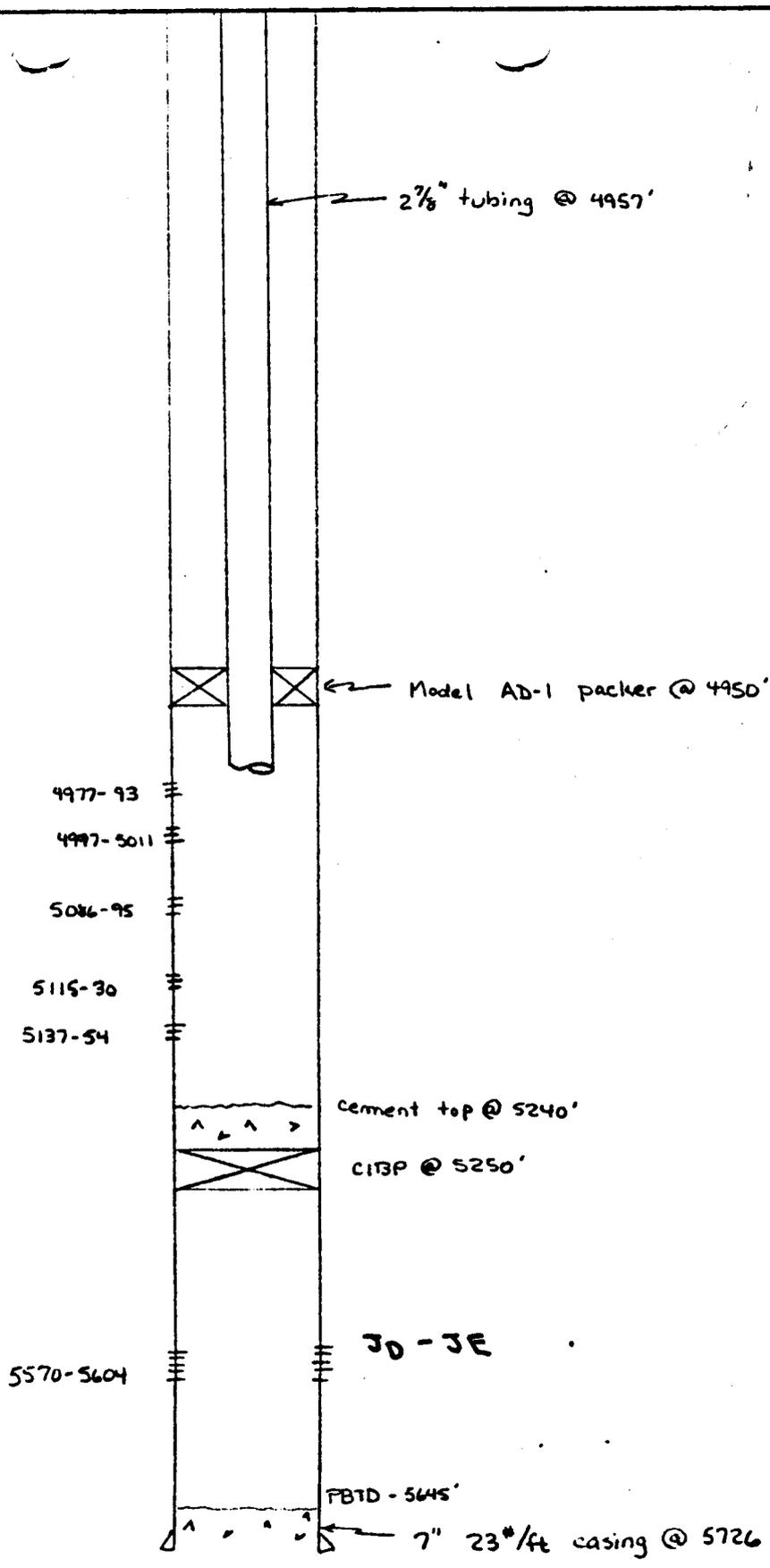
MCFD

BWPD

9/81

Injecting 1700 BWPD into the H<sub>C</sub> and H<sub>E</sub> zones.





RWU # 48 (32-19B)

South Central Area Injector



**Chevron U.S.A. Inc.**

DATE - 10/14/81

SCALE -

Pertinent Data:

KB 5492'  
PBSD 5240'  
7" 23#/ft J-55 & N-80 casing set at 5726'

tubing detail (12/10/75):

KB	12.00
BWH	.50
159 jts 2-7/8" tubing	4741.27
Model AD-1 packer	3.00
	<u>4756.77</u>

Perforations:

4977-93 (H <sub>50-90</sub> )	5115-30 (H <sub>E</sub> 00-50)
4997-5011 (H <sub>A</sub> 00-50)	5137-54 (H <sub>E</sub> 50-99)
5086-95 (H <sub>C</sub> 20-H <sub>D</sub> 40)	5570-5604 (J <sub>D</sub> 60-J <sub>E</sub> 99)

Injection Well History:

12-10-75 Converted to injector. Set CIBP @ 5250' and spotted 10' of cement on top. Added perforations from 4977-5095.

Procedure:

1. MIR. Unseat packer and POOH with tubing.
2. RIH with bit and casing scraper to PBSD of 5240'. POOH.
3. RIH with cement retainer and set at ±5050'. Stab into cement retainer and cement squeeze perforations from 5086' - 5154'. POOH.
4. RIH with tubing and retrievable packer. Set packer at ± 4900'. Cement squeeze perforations from 4977-5011. POOH.
5. RIH and drill out cement. Test squeezes to ±1500 psi. Drill out CIBP at 5250' and clean out to 5645'. POOH.
6. RIH with tubing and packer. Set packer at ± 5500'.
7. Prepare to acidize perforations from 5570' to 5604'. Use 4000 gallons MOD-202 acid with 1 gal/1000 Tri-S surfactant, 2 gal/1000 AS-5 anti-sludge, 50 gal/1000 parts per cent paraffin solvent, 2 gal/1000 HAI-55 corrosion inhibitor and 200 gal/1000 parts per cent iron sequestering agent (Halliburton products - may use hydrochloric acid to formation using injected water. Flow back acid load, or sweep necessary. POOH.

RWU #48 (32-19B)  
CRD1-2643  
October 14, 1981  
Page 3

Procedure: (Continued)

8. RIH with tubing string and AD-1 packer. Set packer at  $\pm 5400'$ .
9. Place well on injection. Ideal rate = 1000 BWP.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF   
FRACTURE TREAT   
SHOOT OR ACIDIZE   
REPAIR WELL   
PULL OR ALTER CASING   
MULTIPLE COMPLETE   
CHANGE ZONES   
ABANDON\*   
(other) \_\_\_\_\_

5. LEASE

U-02030

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Red Wash Unit

8. FARM OR LEASE NAME

9. WELL NO.

48 (32-19B)

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

12. COUNTY OR PARISH | 13. STATE

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

- 5. Cmt sqzd perfs 4977-5134 w/150 sx. Sqzd to a standing press of 1500 psi WOC.
- 6. Drll Out cmt ret. & cmt 5071-158'. POOH. Press tstd sqz to 1500 psi RIH w/bit & scrpr. POOH. w/same.
- 7. RIH & set cmt ret. @5035'. Cmt sqzd perfs 5086-5154' & 4977-5011'.
- 8. POOH w/pkr. RIH w/bit. DOC 4880-5154'. Made scrpr run.
- 9. Acidized perfs 5570-5604 w/15% HCL. Swbd back load. RIH w/pkr. Set @5422 ND BOPE, NU Wellhead R.D. MOL

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED \_\_\_\_\_ TITLE Engineering Asst. DATE February 26, 1982

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

WELL NAME RWU 48 (32-19B)

FIELD NAME Red Wash Unit

COMPLETED TREATMENT PROCEDURE

1. Size and type of treatment: 4000 gal. 15% HCL.
2. Intervals treated: 5570-5604
3. Treatment down casing or tubing: Tbg.
4. Methods used to localize effects:
5. Disposal of treating fluid: Spent acid was swbd to frac tanks.
6. Depth to which well was cleaned out:
7. Date of work:
8. Company who performed work:
9. Production interval:
10. Status and production before treatment:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
<u>9/81</u>			Injecting 1700 BWPD into the H <sub>c</sub> & H <sub>z</sub> Zones.

11. Status and production after treatment:

<u>Date</u>	<u>BOPD</u>	<u>MCFD</u>	<u>BWPD</u>
1/82	-	-	8658

W/W 7

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other Injection

2. NAME OF OPERATOR  
Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR  
P.O. Box 599, Denver, CO 80201

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1980' FNL & 1980' FEL (SWNE)  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE  
U-02030

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
Red Wash Unit

8. FARM OR LEASE NAME

9. WELL NO.  
48 (32-19B)

10. FIELD OR WILDCAT NAME  
Red Wash

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 19, T7S, R23E

12. COUNTY OR PARISH | 13. STATE

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
DF 5480

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input checked="" type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

All exposed perms were cmt sqzd & all the exposed Je Sand & C.I.B.P. w/drld out as follows:

- MIRU, POOH w/pkr, RIH w/bit & scrpr to 5223' POOH.
- Set cmt ret @4945'. RIH, sting into cmt. Ret. cmt sqzd perms: 4977-4134' w/400 sxs. Sqzd to a standing press of 1500 psi. POOH.
- RIH w/bit, tgd cmt ret @4945: D/O cmt ret & cmt to 5071'
- RIH w/bit & scrpr to 5223'. POOH w/same. RIH w/stinger.

- 3-USGS
- 2-State
- 3-Partners
- 1-Field Foreman
- 1-Sec 723
- 1-File

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED \_\_\_\_\_ TITLE Engineering Asst. DATE February 26, 1982

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

June 20, 1983

MEMO TO FILE:

RE: R/A Tracer Surveys at Red Wash

Wednesday, June 15, 1983, Gil Hunt and Ron Firth witnessed a typical tracer survey performed on Red Wash #48 (32-19B), Sec 19, T 7 S, R 23 E. The objective was to observe Chevron's procedure for surveying their injection wells. Production Logging Services Inc. performed the survey. The well was accepting water at the rate of approximately 750 bbls/day at 1650 psig. Their procedure is as follows:

They first run a background gamma log and collar locator, then go to a depth 100 to 200 feet above the packer, eject the R/A material and trace it down and out. Next a slug of material is ejected at the perforations and several passes are made past the packer a few feet up the hole to check for channeling.

This seems to be an acceptable procedure, the only weakness is it doesn't allow for detecting tubing leaks farther up the hole, but they should be detected by the annulus monitoring.

GIL HUNT   
UIC GEOLOGIST

GLH/mm

CHECKLIST FOR INJECTION WELL APPLICATION AND FILE REVIEW  
\* \* \* \* \*

Operator: Chewron Well No. 32-19B(48)  
 County: Ventura T 7S R 23E Sec. 19 API# 43-047-15174  
 New Well  Conversion  Disposal Well  Enhanced Recovery Well

	YES	NO
UIC Forms Completed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Plat including Surface Owners, Leaseholders, and wells of available record	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schematic Diagram	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fracture Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Pressure and Rate Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Adequate Geologic Information	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fluid Source	<u>Greenwich</u>	
Analysis of Injection Fluid	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TDS <u>5460</u>
Analysis of Water in Formation to be injected into	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TDS <u>21667</u>
Known USDW in area	<u>Ventura</u> Depth <u>2700</u>	
Number of wells in area of review	<u>5</u> Prod. <u>0</u> P&A <u>5</u>	
	Water <u>0</u> Inj. <u>0</u>	
Aquifer Exemption	Yes <input checked="" type="checkbox"/> NA <input type="checkbox"/>	
Mechanical Integrity Test	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
	Date <u>6/20/83</u> Type <u>R/A Tracer Survey</u>	

Comments: Tap of Cement 4520' Bottom 5726

Reviewed by: [Signature]

STATE OF UTAH  
 DIVISION OF OIL, GAS, AND MINING  
 ROOM 4241 STATE OFFICE BUILDING  
 SALT LAKE CITY, UTAH 84114  
 (801) 533-5771  
 (RULE I-5)

FORM NO. DOGM-UIC-1

IN THE MATTER OF THE APPLICATION OF  
Chevron U.S.A. Inc.

CAUSE NO. \_\_\_\_\_

ADDRESS P. O. Box 599  
Denver, CO ZIP 80201

ENHANCED RECOVERY INJ. WELL   
 DISPOSAL WELL

INDIVIDUAL  PARTNERSHIP  CORPORATION   
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR  
 INJECT FLUID INTO THE ...RWU...No...48... WELL  
 SEC. 19 TWP. 7S RANGE 23E  
Uintah COUNTY, UTAH

**RECEIVED**

JUL 20 1983

APPLICATION

Comes now the applicant and shows the Division the following:

1. That Rule 1-5 (b) 6 authorizes administrative approval of enhanced recovery operations of disposal operations.
2. That the applicant submits the following information.

DIVISION OF  
 OIL, GAS & MINING

Lease Name <u>U-02030</u>	Well No. <u>48(32-19B)</u>	Field <u>Red Wash</u>	County <u>Uintah</u>
Location of Enhanced Recovery Injection or Disposal Well <u>SW 1/4 NE 1/4</u> Sec. <u>19</u> Twp. <u>7S</u> Rge. <u>23E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Casing Test Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Date <u>7/22/56</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>2700</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What oil & gas
Location of Injection Source(s) <u>produced water</u>		Geologic Name(s) and Depth of Source(s) <u>Green River 4500-5700</u>	
Geologic Name of Injection Zone <u>Green River</u>		Depth of Injection Interval <u>5570</u> to <u>5604</u>	
a. Top of the Perforated Interval: <u>5570</u>	b. Base of Fresh Water: <u>2700</u>	c. Intervening Thickness (a minus b) <u>2870</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? <input checked="" type="radio"/> YES <input type="radio"/> NO			
Lithology of Intervening Zones <u>sand-shale</u>			
Injection Rates and Pressures Maximum = <u>2500</u> B/D, Working = <u>800</u> B/D Maximum = <u>3000</u> psi, Working = <u>2000</u> psi			
The Names and Addresses of Those To Whom Copies of This Application and Attachments Have Been Sent			
<u>Bureau of Land Management, State of Utah</u>			
<u>1400 University Club Building</u>			
<u>136 East South Temple</u>			
<u>Salt Lake City, Utah 84111</u>			

State of Colorado)

*R. H. Elliott*

Applicant

County of Denver)

R. H. ELLIOTT

Before me, the undersigned authority, on this day personally appeared R. H. ELLIOTT known to me to be the person whose name is subscribed to the above instrument, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Suscribed and sworn to before me this 19 day of July, 1983

SEAL My commission expires July 5, 1987.

*Lois J. Thompson*  
 Notary Public in and for Colorado

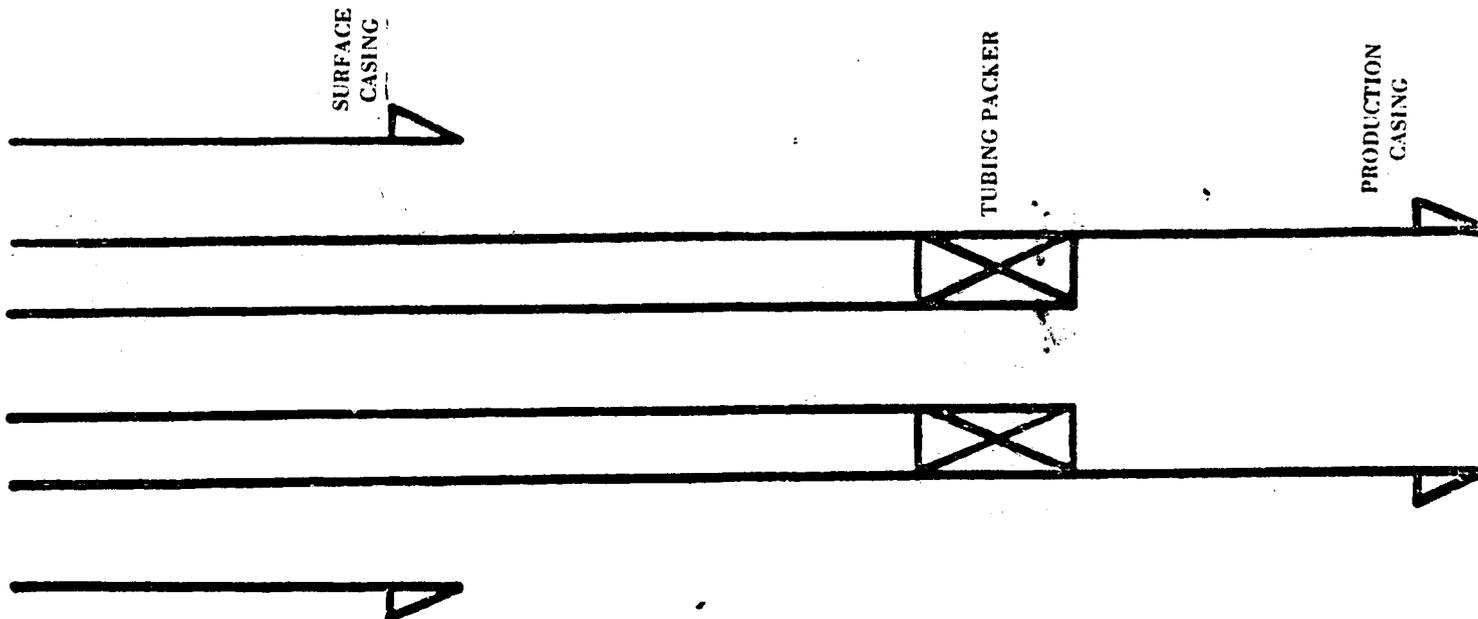
My commission expires \_\_\_\_\_

1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.
2. Attach qualitative and quantitative analysis of representative sample of water to be injected.
3. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within 1/2 mile, together and with name of operator.
4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)
5. Attach Electric or Radioactivity Log of Subject well (if released).
6. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
7. The original and 6 copies of application, and one complete set of attachments shall be mailed to the Division.
8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasehold within 1/2 mile of injection well.
9. Affidavit of mailing or delivery shall be filed not later than five days after the application is filed.
10. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application will be approved administratively.
11. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed September 1st, each year.
12. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

**CASING AND TUBING DATA**

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	10-3/4"	394	200	surface	returns
Intermediate					
Production	7"	5726	275	4520	CBL
Tubing	2-7/8"	5422	Name - Type - Depth of Tubing Packer Baker Lok-set pkr @ 5418		
<b>Total Depth</b>	<b>Geologic Name - Inj. Zone</b>	<b>Depth - Top of Inj. Interval</b>	<b>Depth - Base of Inj. Interval</b>		
6185	Green River	5570	5604		

SKETCH - SUBSURFACE FACILITY



Form UIC-2

(To be filed within 30 days after drilling is completed)

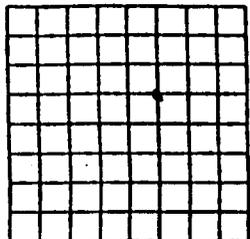
DEPARTMENT OF NATURAL RESOURCES AND ENERGY

DIVISION OF OIL, GAS, AND MINING  
Room 4241 State Office Building  
Salt Lake City, Utah 84114

COUNTY LEASE NO.

API NO 43-047-05453

840 Acres



Locate Well Correctly and Outline Lease

COUNTY Uintah SEC. 19 TWP. 7S RGE. 23E

COMPANY OPERATING Chevron U.S.A. Inc.

OFFICE ADDRESS P. O. Box 599

TOWN Denver STATE CO ZIP 80201

FARM NAME Red Wash WELL NO. 48

DRILLING STARTED 5/24 19 56 DRILLING FINISHED 7/22 19 56

DATE OF FIRST PRODUCTION 9/16/56 COMPLETED 9/1/56

WELL LOCATED SW 1/4 NE 1/4

810 FT. FROM SE OF 1/4 SEC. & 660 FT. FROM NW OF 1/4 SEC.

ELEVATION DERRICK FLOOR 5491.5 GROUND 5480.3

TYPE COMPLETION

Single Zone  Order No. \_\_\_\_\_

Multiple Zone \_\_\_\_\_ Order No. \_\_\_\_\_

Comingled \_\_\_\_\_ Order No. \_\_\_\_\_

LOCATION EXCEPTION \_\_\_\_\_ Order No. \_\_\_\_\_ Penalty \_\_\_\_\_

OIL OR GAS ZONES

Name	From	To	Name	From	To
Green River	4500	5700			

CASING & CEMENT

Casing Set				Csg. Test	Cement		
Size	Wgt	Grade	Feet	Psi	Sex	Fillup	Top
10-3/4"	40.5#	J-55	394	1500	200	-	surface
J"	23#	N-80 J-55	5726	1500	275	-	4520

TOTAL DEPTH 6185

PACKERS SET DEPTH 5418

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Green River		
SPACING & SPACING ORDER NO.	80 -acre spacing		
CLASSIFICATION (Oil; Gas; Dry; Inj. Well)	Enhanced recovery		
PERFORATED	5570-5604		
INTERVALS			
ACIDIZED?	5570-5604		
FRACTURE TREATED?	5570-5604		

INITIAL TEST DATA

Date	9/16/56		
Oil. bbl./day	225		
Oil Gravity	28.7		
Gas. Cu. Ft./day	vented	CF	CF
Gas-Oil Ratio Cu. Ft./Bbl.	-		
Water-Bbl./day	25		
Pumping or Flowing	pumping		
CHOKE SIZE			
FLOW TUBING PRESSURE			

A record of the formations drilled through, and pertinent remarks are presented on the reverse.

(use reverse side)

*R.H. Elliott*

I, the undersigned, being first duly sworn upon oath, state that this well record is true, correct and complete according to the records of this office and to the best of my knowledge and belief.

My commission expires July 5, 1987  
Telephone (303) 691-7437 R.H. Elliott - Area Prod. Supt.  
Name and title of representative of company

Colorado Blvd.  
Submitted and signed before me this 19 day of July, 19 83

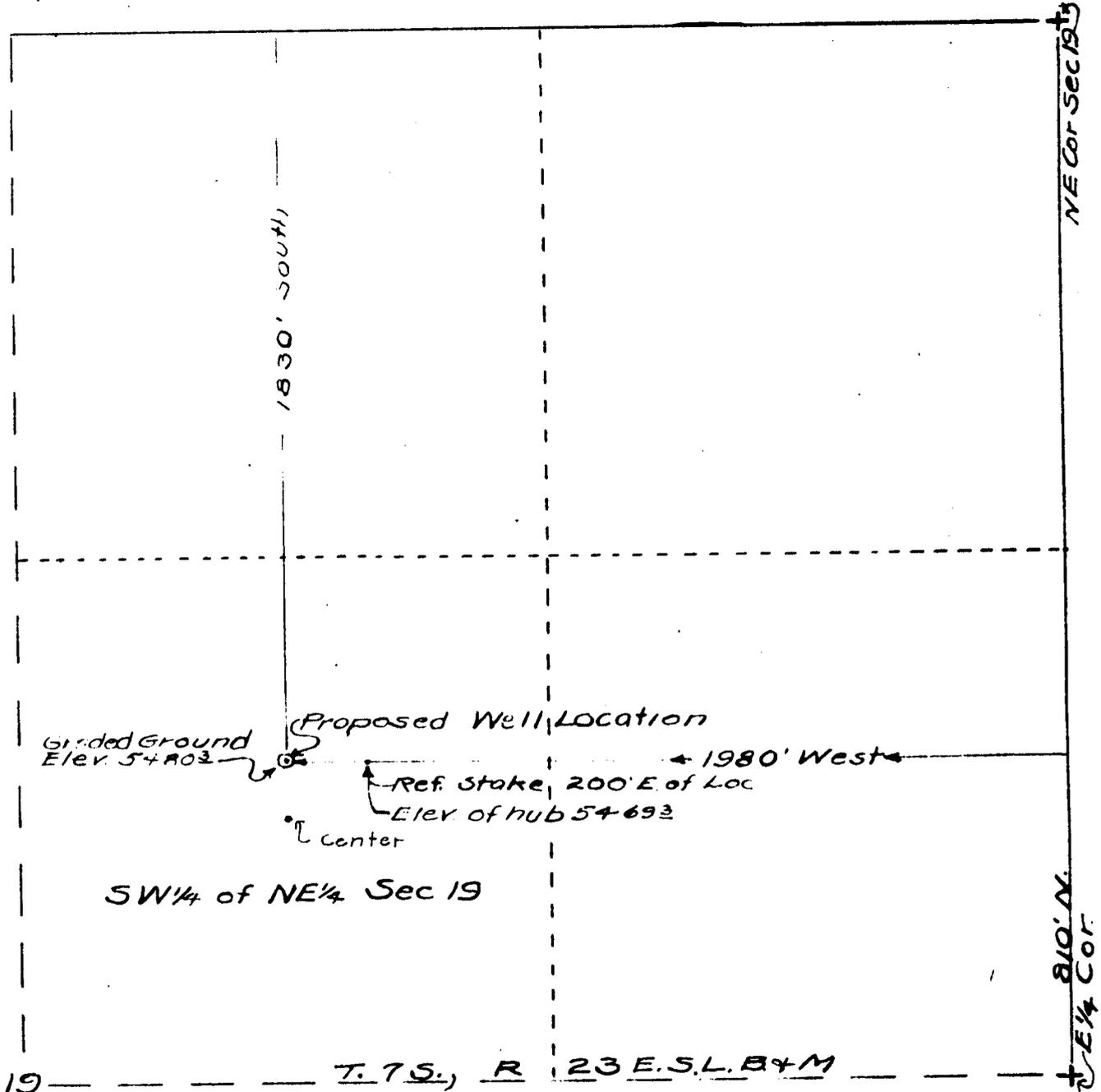
*Heis J. Thompson*

ap

PLAT SHOWING PROPOSED LOCATION OF THE CALIFORNIA COMPANY WELL IN THE SW<sup>1</sup>/<sub>4</sub> OF THE NE<sup>1</sup>/<sub>4</sub> SECTION 19 TOWNSHIP 7 SOUTH, RANGE 23 EAST, SALT LAKE BASE AND MERIDIAN.

Scale 1" = 400 feet

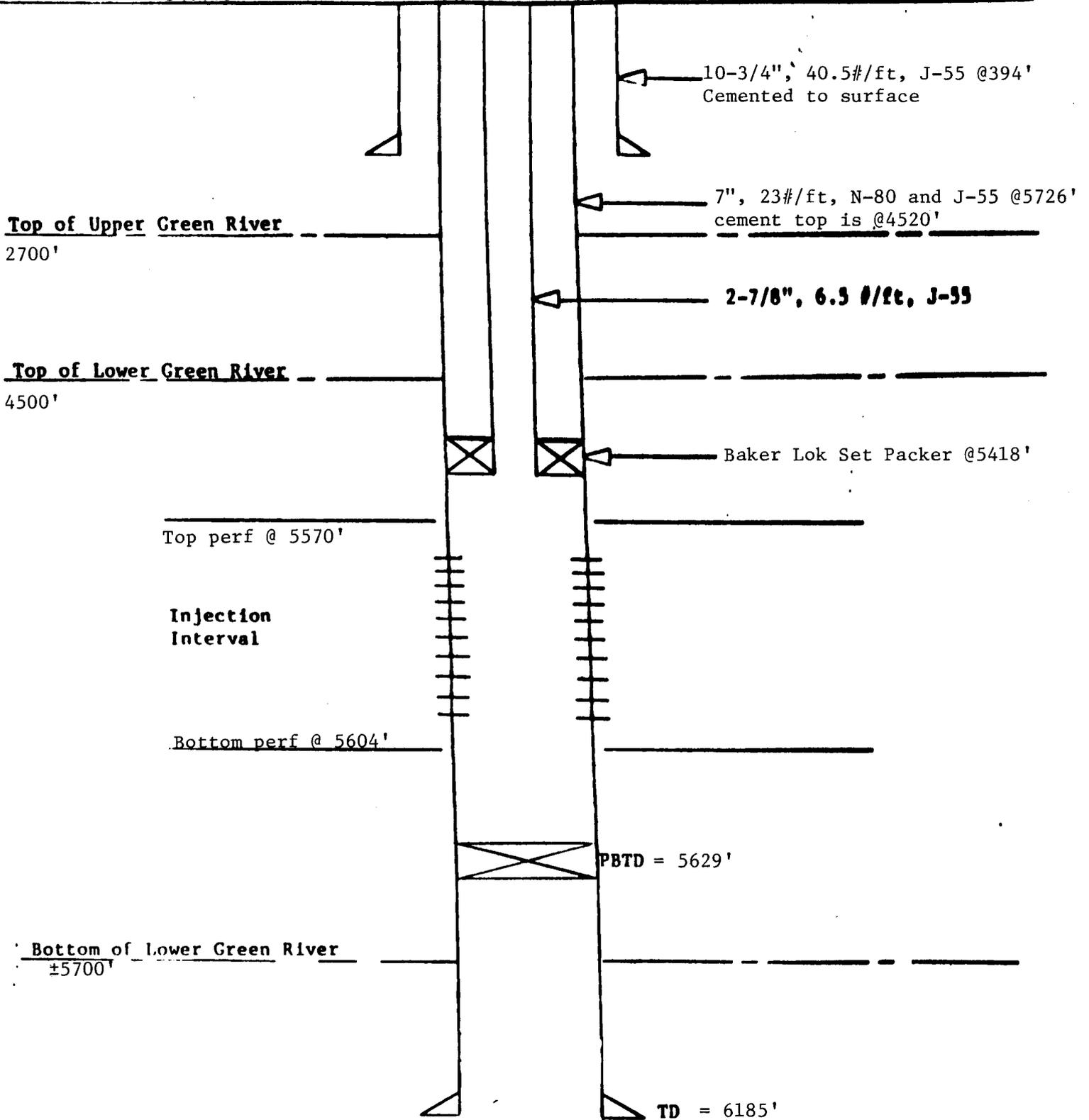
~~FILE~~  
File



I, Leon P. Christensen of Vernal, Utah do hereby certify that this plat correctly shows the proposed location of the well shown hereon as surveyed by me on May 10, 1956, and levels run May 12, 1956; that said well is located at a point 1830 feet South of North line and 1980 feet West of East line of section 19, Township 7 South, Range 23 East, Salt Lake Base and Meridian.

Leon P. Christensen  
Prof. Eng. & Land Surveyor

Ground Level 5480.3'



Redwash Unit 48(32-19B)  
Wellbore Schematic

## CBL DESCRIPTIONS

### Injection Well

#### **RWU No. 48 (32-19B)**

The CBL shows the cement top to be at 4520'. Good bond exists from TD (5620') to 4900'. Poor bond is indicated from 4900' to the cement top with good streaks from 4720'-4810', 4650'-4710' and 4530'-70'. The perforated interval is 5570'-5604'.

### Offset Producers

#### **RWU No. 66 (34-18B)**

A cement bond log is not available for No. 66 (34-18B). The cement top is calculated to be at 4320' from the temperature log. The production interval is 5604'-5770'.

#### **RWU No. 115 (21-19B)**

A cement bond log is not available for No. 115 (21-19B). The cement top is calculated to be at ± 3320'. The production interval is 5628'-5743'.

#### **RWU No. 125 (34-19B)**

A cement bond log is not available for No. 125. The cement top is calculated to be at 3142'. Production interval is from 5134' to 5718'.

#### **RWU No. 127 (12-19B)**

A cement bond log is not available for No. 127. The cement top is calculated to be at 3231'. Production interval is from 5573' to 5810'.

#### **RWU No. 136 (43-19B) - SI**

A cement bond log is not available for No. 136. The cement top is calculated to be at 1928'. Production interval is from 4960' to 5969'.

#### **RWU No. 162 (12-20B) - SI**

From the cement top at 3490', No. 162 shows alternately good and fair bonding down to 5810' with the exception of poorly-bonded sections at 3670'-4100' and 4240'-4320'. The gross perforated interval is 4996'-5717'.



**Chevron U.S.A. Inc.**  
**RED WASH**

43-047-15174 SURVEY DATA

*8/8*

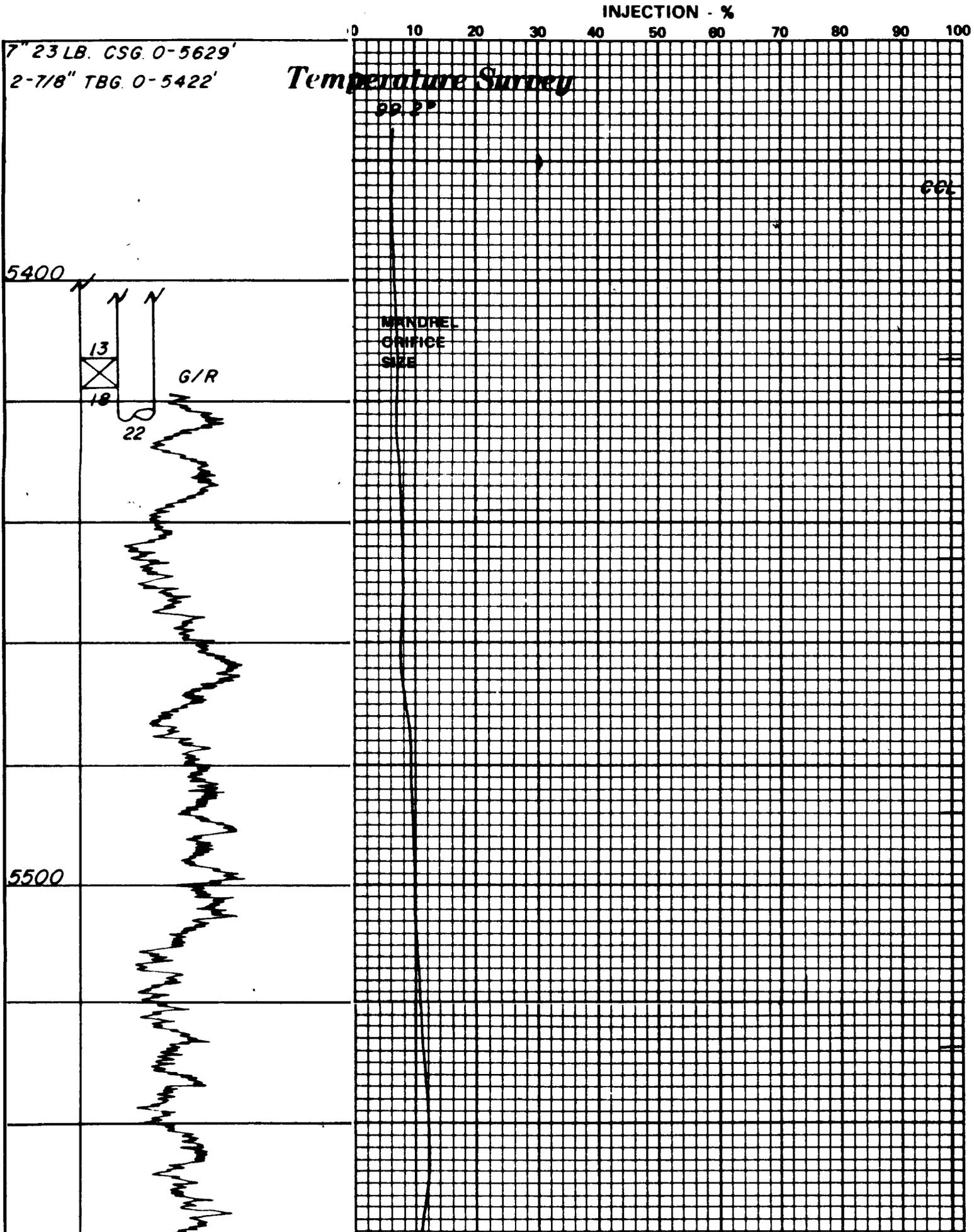
WELL NO.

RWU 48(32-19B)

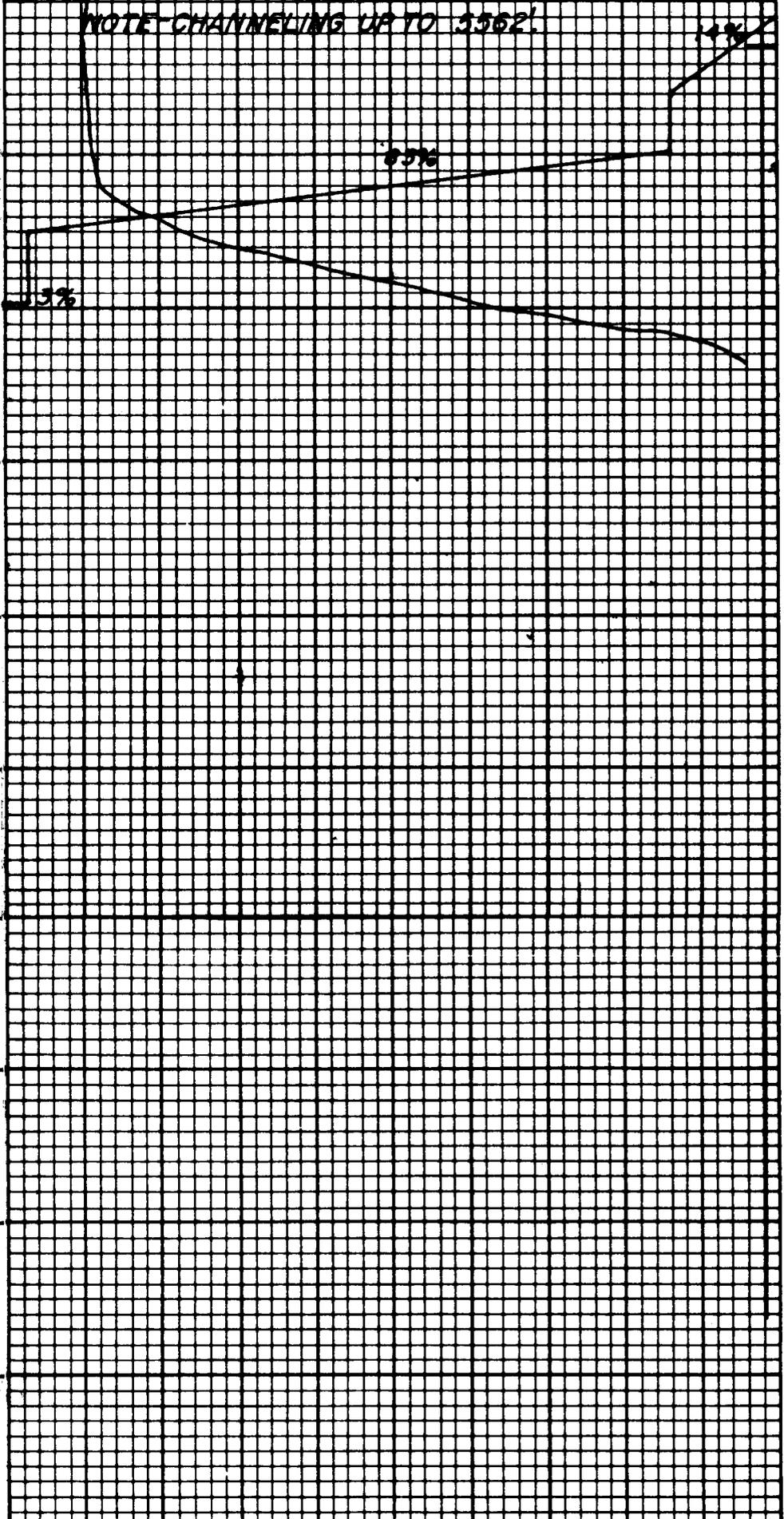
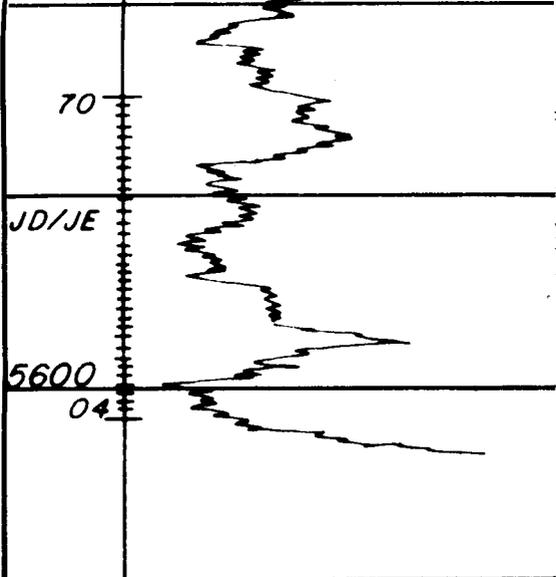
75-232-19

7

RUN NO.	ONE	
Type Survey	TST	B.H.T 114.2°
Date	8-4-87	Surface Temp.
Inj. Rate	900 B/D	
Inj. Press.	1820 PSI	
Pick-up	5626	
Service Co.	PLS	



NOTE CHANNELING UP TO 3562'



PBTD 5629'



5700

~

Remarks PRODUCTION LOGGING SERVICES, INC.

SURVEY, PACKER, AND TOP PERE CHECK OK (EXCEPT AS NOTED ABOVE).

RECORDED BY D. BOUDREAU.

TRACER VELOCITY DATA

SHOT NO.	DEPTH	DISTANCE TRAVELED	TRAVEL TIME	RATE
1	5604'	0'	65 SEC.	0 B/D
2	5589'-5589.75'	.75'	98 SEC.	26 B/D
3	5572'-5580'	8'	40 SEC.	682 B/D
4	5551'-5560.5'	9.5'	41 SEC.	790 B/D
SHOT NO. 5, 5560' TOP PERF CHECK, WAIT 2 MINUTES. TOP PERF CHANNELING				
UP TO 5562'.				
6	5484'-5494.5'	9.5'	43 SEC.	753 B/D
7	5439'-5448.5'	9.5'	40 SEC.	810 B/D
8	5325'-5400'	75'	46 SEC.	815 B/D
SHOT NO. 8 PACKER CHECK, WAIT 2 MINUTES. PACKER CHECKS OK.				

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.  
U - 02030

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE**

7. If Unit or CA, Agreement Designation  
RED WASH

1. Type of Well  
Oil  Gas   
Well  Well  Other  WIW

8. Well Name and No.  
48 (32-19B)

2. Name of Operator  
CHEVRON U.S.A. PRODUCTION CO.

9. API Well No.  
43-047-1517~~5~~

3. Address and Telephone No.  
P.O. BOX 599, DENVER, CO. 80201 (303) 930-3691

10. Field and Pool, or Exploratory Area  
RED WASH - GRN. RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
810-FSL, 1980 FEL, SEC. 19, T7S, R23E

11. County or Parish, State  
UINTAH, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>STATUS</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

THIS WELL IS SHUT IN WHILE UPGRADING WELL TEST FACILITIES. WE WILL RE-EVALUATE STATUS AFTER WELL TEST FACILITIES UPGRADES HAVE BEEN COMPLETED.

- 3 - BLM
- 3 - STATE
- 1 - JTC
- 1 - WELL FILE
- 1 - JLW

**RECEIVED**

APR 15 1992

DIVISION OF  
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct  
Signed [Signature]

Title PERMIT SPECIALIST

Date 4/6/92

(This space for Federal or State office use)

Approved by: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes 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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil Well  Gas Well  Other

WIW

2. Name of Operator

Chevron U.S.A. Inc.

3. Address and Telephone No.

P.O. Box 455, Vernal, Utah 84078 (801) 789-2442

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

1860' FWL  
810 FSL, 1980 FEL, SEC. 19, T7S, R23E

5. Lease Designation and Serial No.  
U-02030

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation  
Red Wash Unit

8. Well Name and No.  
RWU #48 (32-19B)

9. API Well No.  
43-047-15174

10. Field and Pool, or Exploratory Area  
Red Wash-Grn. River

11. County or Parish, State  
Uintah, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well test facility upgrades were completed in 1992. We plan to re-evaluate this shut-in injection well during 1993.

**RECEIVED**

FEB 18 1993

DIVISION OF  
OIL GAS & MINING

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

Signed

*Diana Pugh*

Title

*Oper. Assistant*

Date

02/09/93

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

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Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.  
**U-02030**

6. If Indian, Allottee or Tube Name  
**N/A**

7. If Unit or CA, Agreement Designation  
**RED WASH UNIT**

8. Well Name and No.  
**RED WASH UNIT 48 (32-19B)**

9. API Well No.  
**43-047-15174**

10. Field and Pool, or Exploratory Area  
**RED WASH - GREEN RIVER**

11. County or Parish, State  
**UINTAH, UTAH**

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil Gas  
 Well  Well  Other **INJECTOR**

2. Name of Operator  
**CHEVRON U.S.A. PRODUCTION COMPANY**

3. Address and Telephone No.  
**11002 E. 17500 S. VERNAL, UT 84078-8526**  
**Steve McPherson in Red Wash (801) 781-4310**  
**or Gary Scott in Rangely, CO. (970) 675-3791**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1980' FNL & 1980' FEL (SW NE) SECTION 19, T7S, R23E, SLBM**

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

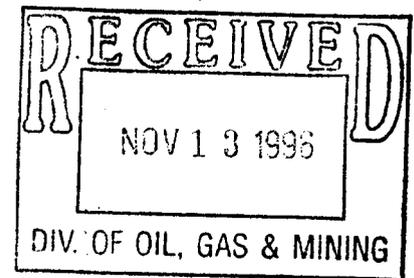
TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other <u>TA STATUS OF WELL</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

**CHEVRON IS REQUESTING AN EXTENSION OF THE TEMPORARILY ABANDONED STATUS OF THIS WELL FOR A POSSIBLE WATERFLOOD REALIGNMENT. THIS WELL MEETS EPA STANDARDS FOR TA'd INJECTION WELLS.**

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



14. I hereby certify that the foregoing is true and correct.  
Signed G.D. SCOTT *G.D. Scott* Title DRILLING TECHNICIAN Date November 4, 1996

(This space for Federal or State office use)

Approved by: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes 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.

# Mechanical Integrity Test Casing or Annulus Pressure Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Implementation Section, 8WM-DW  
999 18th Street, Suite 500, Denver, CO 80202-2466

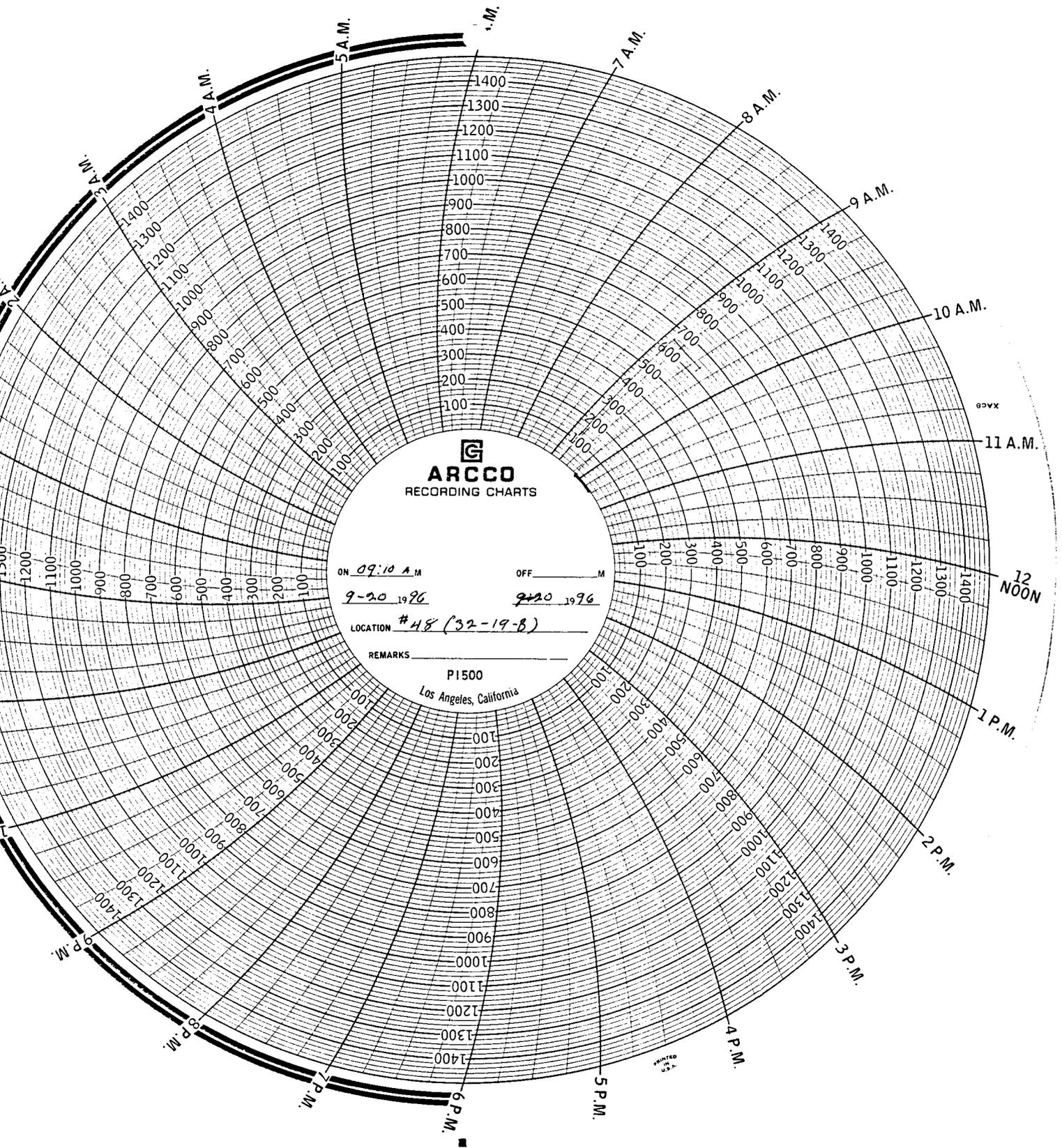
EPA Witness: \_\_\_\_\_ Date 9/20/98 Time 09:10 (am/pm)  
 Test conducted by: BIG Red HOT oil serv. D. Haddock  
 Others present: \_\_\_\_\_

Well: <u>#48 (32-19D)</u> Field: <u>Redwash</u> <u>43-047-15174</u> Well Location: <u>S WNE -19-75-23E</u>	Well ID: <u>UT02399</u> Company: <u>CUGA</u> Address: <u>11002 East 17500 SO.</u> <u>Vernal, Utah 84078-8506</u>
--	---

Time	Test #1	Test #2	Test #3
0 min	<u>650</u> psig	_____ psig	_____ psig
5	_____	_____	_____
10	_____	_____	_____
15	<u>635</u>	_____	_____
20	_____	_____	_____
25	_____	_____	_____
30 min	<u>620</u>	_____	_____
35	_____	_____	_____
40	_____	_____	_____
45	_____	_____	_____
50	_____	_____	_____
55	_____	_____	_____
60 min	_____	_____	_____
Tubing press	<u>180</u> psig	_____ psig	_____ psig

Result (circle) Pass Fail      Pass Fail      Pass Fail

Signature of EPA Witness: \_\_\_\_\_  
*See back of page for any additional comments & compliance followup.*





UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

***SUBMIT IN TRIPLICATE***

1. Type of Well  
 Oil Gas  
 Well  Well  Other **MULTIPLE WELLS SEE ATTACHED LIST**

2. Name of Operator  
**CHEVRON U.S.A. INC.**

3. Address and Telephone No  
**11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300**

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

5. Lease Designation and Serial No

6. If Indian, Allottee or Tribe Name  
**N/A**

7. If Unit or CA, Agreement Designation  
**RED WASH UNIT  
I-SEC NO 761**

8. Well Name and No

9. API Well No

10. Field and Pool, or Exploratory Area  
**RED WASH - GREEN RIVER**

11. County or Parish, State  
**UINTAH, UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <b>CHANGE OF OPERATOR</b>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

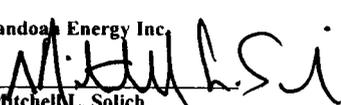
(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

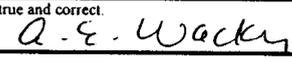
**As of January 1, 2000 Chevron U.S.A. INC. resigns as Operator of the Red Wash Unit. The Unit Number is I-SEC NO 761 effective October 31, 1950.**

**The successor operator under the Unit Agreement will be Shenandoah Energy Inc. 475 17th Street, Suite 1000 Denver, CO 80202**

**Agreed and accepted to this 29th day of December, 1999**

Shenandoah Energy Inc.  
 By:   
 Mitchell L. Solich  
 President

**RECEIVED**  
**DEC 30 1999**  
DIVISION OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.  
 Signed **A. E. Wacker**  Title **Assistant Secretary** Date **12/29/99**

(This space for Federal or State office use)

Approved by: \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any \_\_\_\_\_

Title 18 U.S.C. Section 1001, makes 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.







# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

# RECEIVED

FEB 07 2000

DIVISION OF  
OIL, GAS AND MINING

IN REPLY REFER TO  
UT-931

February 4, 2000

Shenandoah Energy Inc.  
Attn: Rae Cusimano  
475 17<sup>th</sup> Street, Suite 1000  
Denver, Colorado 80202

Re: Red Wash Unit  
Uintah County, Utah

Gentlemen:

On December 30, 1999, we received an indenture whereby Chevron U.S.A. Inc. resigned as Unit Operator and Shenandoah Energy Inc. was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 4, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Red Wash Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the Red Wash Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

cc: Chevron U.S.A. Inc.

bcc: Field Manager - Vernal (w/enclosure)  
**Division of Oil, Gas & Mining**  
Minerals Adjudication Group U-932  
File - Red Wash Unit (w/enclosure)  
MMS - Data Management Division  
Agr. Sec. Chron  
Fluid Chron

UT931:TAThompson:tt:2/4/00

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: See Attachment  
Field or Unit name: \_\_\_\_\_ API no. \_\_\_\_\_  
Well location: Q0 \_\_\_\_\_ section \_\_\_\_\_ township \_\_\_\_\_ range \_\_\_\_\_ county \_\_\_\_\_  
Effective Date of Transfer: \_\_\_\_\_

CURRENT OPERATOR

Transfer approved by:

Name R.K. Wackowski Company Chevron Production Co.  
Signature [Signature] Address 100 Chevron Rd.  
Title Unit Manager Rangely, Colo. 81648  
Date 7/28/00 Phone (970) 675-3714

Comments:

NEW OPERATOR

Transfer approved by:

Name John Conley Company Shenandoah Energy Inc.  
Signature [Signature] Address 11002 E. 17500 S.  
Title District Manager Vernal, UT 84078  
Date 7-21-00 Phone (435) 781-4300

Comments:

(State use only)

Transfer approved by [Signature] Title Tech. Services Manager  
Approval Date 8-24-00

RECEIVED

AUG 9 2000

DIVISION OF

# SHENANDOAH ENERGY INC.

11002 E. 17500 S.  
VERNAL, UT 84078  
PHONE: (435) 781-4300  
FAX: (435) 781-4329

## RED WASH UNIT

RW #11 (34-27B)	SWSE-27-7S-23E	43-047-15142
RW #14 (14-13B)	SWSW-13-7S-23E	43-047-15144
RW #148 (13-22B)	NWSW-22-7S-23E	43-047-15261
RW #156 (23-15B)	NESW-15-7S-23E	43-047-15267
RW #17 (41-20B)	NENE-20-7S-23E	43-047-15146
RW #173 (21-21B)	NENW-21-7S-23E	43-047-16496
RW #174 (21-20B)	NENW-20-7S-23E	43-047-15281
RW #182 (14-21B)	SWSW-21-7S-23E	43-047-16497
RW #183 (33-13B)	NWSE-13-7S-23E	43-047-15289
RW #185 (41-14B)	NENE-14-7S-23E	43-047-16498
RW #2 (14-24B)	SWSW-24-7S-23E	43-047-16472
RW #23 (21-23B)	NENW-23-7S-23E	43-047-15151
RW #25 (23-23B)	NESW-23-7S-23E	43-047-16476
RW #261 (23-17B)	NESW-17-7S-23E	43-047-32739
RW #264 (31-35B)	NWNE-35-7S-23E	43-047-30519
RW #268 (43-17B)	NESE-17-7S-23E	43-047-32980
RW #275 (31-26B)	NWNE-26-7S-23E	43-047-31077
RW #279 (11-36B)	NWNW-36-7S-23E	43-047-31052
RW #34 (-23-14B)	NESW-14-7S-23E	43-047-15161
RW #56 (41-28B)	NENE-28-7S-23E	43-047-15182
RW #59 (12-24B)	SWNW-24-7S-23E	43-047-16477
RW #6 (41-21B)	NENE-21-7S-23E	43-047-16482
RW #91 (33-22B)	NWSE-22-7S-23E	43-047-16479
RW #93 (43-27B)	NESE-27-7S-23E	43-047-16480
RW #134 (14-28B)	SWSW-28-7S-23E	43-047-16489
RW #139 (43-29B)	NESE-29-7S-23E	43-047-16490
RW #150 (31-22B)	NWSE-22-7S-23E	43-047-15263
RW #16 (43-28B)	NESE-28-7S-23E	43-047-16475
RW #170 (41-15B)	NENE-15-7S-23E	43-047-16495
RW #263 (24-26B)	SESW-26-7S-23E	43-047-30518
RW #265 (44-26B)	SESE-26-7S-23E	43-047-30520
RW #266 (33-26B)	NWSE-26-7S-23E	43-047-30521
RW #269 (13-26B)	NWSW-26-7S-23E	43-047-30522
RW #271 (42-35B)	SENE-35-7S-23E	43-047-31081
RW #68 (41-13B)	NENE-13-7S-23E	43-047-16485
RW #97 (23-18C)	NESW-18-7S-24E	43-047-15216
RW #7 (41-27B)	NENE-27-7S-23E	43-047-15205
RW #324 (23-16B)	NESW-16-7S-23E	
RW #301 (43-15B)	NESE-15-7S-23E	43-047-31682
RW #100A (43-21A)	NESE-21-7S-22E	43-047-15219
RW #199 (43-22A)	NESE-22-7S-22E	43-047-15301
RW #216 (21-27A)	NENW-21-7S-22E	43-047-30103
RW #258 (34-22A)	SWSE-22-7S-22E	43-047-30458
RW #202 (21-34A)	NENW-34-7S-22E	43-047-15303
RW 3215 (43-28A)	NESE-28-7S-22E	43-047-30058
RW #61 (12-27A)	SWNW-27-7S-22E	43-047-16478
RW #102 (41-24A)	NENE-24-7S-23E	43-047-15221
RW #88 (23-18B)	NESW-18-7S-23E	43-047-15210
RW #283 (43-18B)	NESE-18-7S-23E	43-047-32982
RW #52 (14-18B)	SWSW-18-7S-23E	43-047-15178
RW #161 (14-20B)	SWSW-20-7S-23E	43-047-15271

# SHENANDOAH ENERGY INC.

11002 E. 17500 S.  
VERNAL, UT 84078  
PHONE: (435) 781-4300  
FAX: (435) 781-4329

RW #48 (32-19B)	SWNE-19-7S-23E	43-047-15174
RW #60 (43-30B)	NESE-30-7S-23E	43-047-15184
RW #213 (41-33B)	NENE-33-7S-23E	43-047-20060

## WONSITS VALLEY FEDERAL UNIT

WVFU #120	NENW-22-8S-21E	43-047-32462
WVFU#140	NWNW-15-8S-21E	43-047-31707
WVFU #143	NWSE-10-8S-21E	43-047-31808
WVFU #16	NENE-15-8S-21E	43-047-15447
WVFU #21	NENE-16-8S-21E	43-047-15452
WVFU #28-2	NESW-11-8S-21E	43-047-31524
WVFU #31	NENW-14-8S-21E	43-047-15460
WVFU #35	NESW-14-8S-21E	43-047-15463
WVFU #36	NESW-10-8S-21E	43-047-15464
WVFU #40-2	NESE-10-8S-21E	43-047-31798
WVFU #41	NENW-15-8S-21E	43-047- <del>15496</del> 15469
WVFU #50	SWNE-15-8S-21E	43-047-15477
WVFU #59	SWNW-14-8S-21E	43-047-20018
WVFU #60	SWSE-15-8S-21E	43-047-20019
WVFU #67	NESW-15-8S-21E	43-047-20043
WVFU #68	NESE-15-8S-21E	43-047-20047
WVFU #71-2	SWSW-15-8S-21E	43-047-32449
WVFU #73	NESE-16-8S-21E	43-047-20066
WVFU #97	NWSW-11-8S-21E	43-047-30014
WVFU #9	NESE-12-8S-21E	43-047-15440
WVFU #126	NWNE-21-8S-21E	43-047-30796
WVFU #72	SWSW-16-8S-21E	43-047-20058
WVFU #78	NESW-16-8S-21E	43-047-20115

## GYPSUM HILLS UNIT

GHU #10	NWSE-21-8S-20E	43-047-32306
GHU #12	NESE-19-8S-21E	43-047-32458
GHU#15	SWSW-20-8S-21E	43-047-32648
GHU#17	SWSE-20-8S-21E	43-047-32649
GHU #3	NENE-20-8S-21E	43-047-20002
GHU #6	NENW-20-8S-21E	43-047-30099
GHU #8-1	SWNE-20-8S-21E	43-047-31932

## COSTAS FEDERAL

COSTAS FED #1-20-4B	NESW-20-8S-21E	43-047-31006
COSTAS FED #2-20-3B	NESE-20-8S-21E	047-31066
COSTAS FED 33-21-1D	SWNW-21-8S-21E	43-047-31604

## BRENNAN BOTTOM UNIT

BRENNAN FED #5	SENW-18-7S-21E	43-047-15420
BRENNAN FED #11	SESW-18-7S-21E	43-047-32772

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil Gas  
 Well  Well  Other INJECTOR

2. Name of Operator  
SHENANDOAH ENERGY, INC

3. Address and Telephone No  
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1980' FNL & 1980' FEL (SW NE) SECTION 19, T7S, R23E, SLBM

5. Lease Designation and Serial No.  
**U-02030**

6. If Indian, Allottee or Tribe Name  
N/A

7. If Unit or C.A. Agreement Designation  
RED WASH UNIT

8. Well Name and No.  
RED WASH UNIT 48 32-19B

9. API Well No.  
43-047-15174

10. Field and Pool, or Exploratory Area  
RED WASH - GREEN RIVER

11. County or Parish, State  
UINTAH, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <u>TA STATUS FOR WELL</u>
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

14. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

WE REQUEST A TA STATUS APPROVAL FOR THIS WELL.

WE BELIEVE A RETURN TO INJECTION COULD BE JUSTIFIED IN THE FUTURE.

**RECEIVED**

APR 17 2000

DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.  
Signed D. C. BEAMAN *Dave Beaman* Title OFFICE MANAGER Date 04/13/00

(This space for Federal or State office use)

The Extension for Shut-in or Temporarily Abandonment may be issued, in accordance with Approved by B649 3-16-11 and 2 & 1.3, upon receipt and review, by the Division of Oil, Gas & Mining of

Accepted by the  
Utah Division of  
Oil, Gas & Mining

The supporting data specified in the cited rule will fully to make the President or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

COPY SENT TO OPERATOR  
Date: 4-20-00  
Initials: CB

**MECHANICAL INTEGRITY TEST  
CASING OR ANNULUS PRESSURE TEST**

U.S. ENVIRONMENTAL PROTECTION AGENCY  
UNDERGROUND INJECTION CONTROL PROGRAM, UIC IMPLEMENTATION SECTION (8ENF-T)  
999 18TH STREET, SUITE 500, DENVER, CO. 80202-2466

EPA WITNESS: \_\_\_\_\_ DATE: 9/6/00 TIME: 9:00AM AM/PM  
TEST CONDUCTED BY: Mike Johnson *Mike Johnson Co. Big Red*  
OTHERS PRESENT: \_\_\_\_\_

WELL:	<u>RedWash Unit #48(32-19B)</u>	WELL ID. <u>API#43-047-15174 EPA#UT02399</u>
FIELD:	<u>RedWash</u>	COMPANY: <u>SHENANDOAH ENERGY INC.</u>
WELL LOCATION:	<u>SWNE-19-7S-23E</u>	ADDRESS: <u>11002 EAST 17500 SOUTH VERNAL, UTAH 84078</u>
WELL STATUS:	<u>TA</u>	

TIME	TEST #1		TIME	TEST #2		TIME	TEST #3	
		CASING PRESSURE			CASING PRESSURE			CASING PRESSURE
<u>9:00AM</u>	<u>0 MIN</u>	<u>1140PSI</u>	_____	_____	_____	_____	_____	_____
<u>9:05AM</u>	<u>5</u>	<u>1140PSI</u>	_____	_____	_____	_____	_____	_____
<u>9:10AM</u>	<u>10</u>	<u>1140PSI</u>	_____	_____	_____	_____	_____	_____
<u>9:15AM</u>	<u>15</u>	<u>1140PSI</u>	_____	_____	_____	_____	_____	_____
<u>9:20AM</u>	<u>20</u>	<u>1140PSI</u>	_____	_____	_____	_____	_____	_____
<u>9:25AM</u>	<u>25</u>	<u>1140PSI</u>	_____	_____	_____	_____	_____	_____
<u>9:30AM</u>	<u>30 MIN</u>	<u>1140PSI</u>	_____	_____	_____	_____	_____	_____
_____	<u>35</u>	_____	_____	_____	_____	_____	_____	_____
_____	<u>40</u>	_____	_____	_____	_____	_____	_____	_____
_____	<u>45</u>	_____	_____	_____	_____	_____	_____	_____
_____	<u>50</u>	_____	_____	_____	_____	_____	_____	_____
_____	<u>55</u>	_____	_____	_____	_____	_____	_____	_____
_____	<u>60 MIN</u>	_____	_____	_____	_____	_____	_____	_____

START TUBING PRESSURE, PSIG 0 PSI

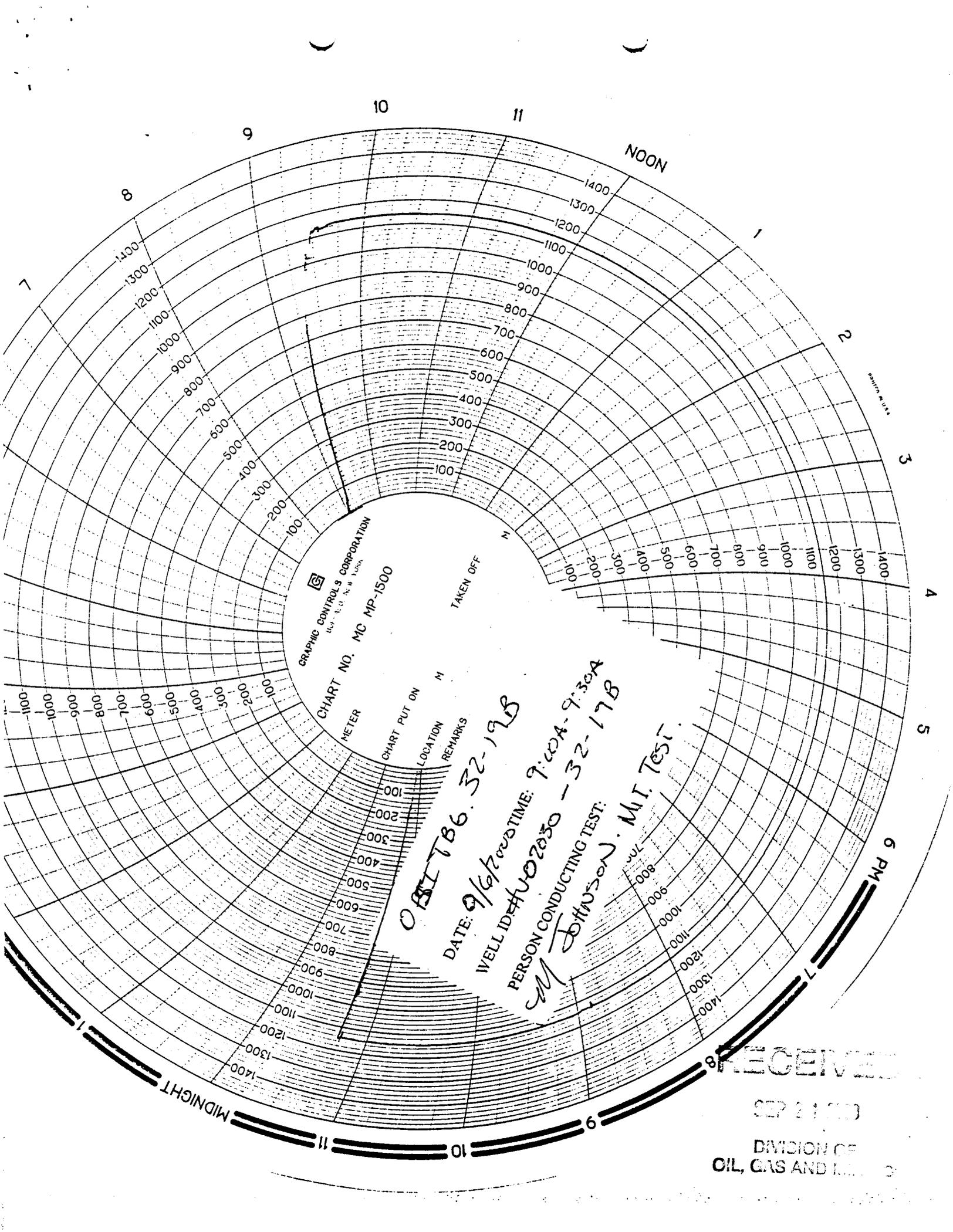
END TUBING PRESSURE, PSIG 0PSI

RESULTS (CIRCLE PASS) FAIL

SIGNATURE OF EPA WITNESS: \_\_\_\_\_

**RECEIVED**

SEP 21 2000  
DIVISION OF  
OIL, GAS AND MINING



GRAPHIC CONTROLS CORPORATION  
 CHART NO. MC MP-1500  
 METER

CHART PUT ON  
 LOCATION  
 REMARKS  
 TAKEN OFF

OBI 786.32-178  
 DATE: 9/6/67  
 WELL ID: #U02030  
 PERSON CONDUCTING TEST:  
 M. JOHNSON  
 M.I. TEST.

RECEIVED

SEP 21 1967

DIVISION OF  
 OIL, GAS AND MINERAL RESOURCES

# SHENANDOAH ENERGY INC.

11002 East 17500 South  
Vernal, Utah 80478  
(435) 781-4300  
Fax (435) 781-4329

September 9, 2002

## MECHANICAL INTEGRITY TESTS

Various Wells  
Red Wash Unit  
Uintah County, Utah

Mr. Al Craver  
Underground Injection Control Program  
United States Environmental Protection Agency  
Region VIII  
999 18th Street – Suite 300  
Denver, Colorado 80202-2466

**RECEIVED**  
SEP 10 2002  
DIVISION OF  
OIL, GAS AND MINING

Dear Mr. Craver,

Results of recent scheduled mechanical integrity tests for four wells are enclosed.

<u>Wellname</u>	<u>EPA ID</u>	
RWU # 48 (32-19B)	UT02399 (15174)	43047-15174
RWU #263 (24-26B)	UT02448 (30519)	
RWU #266 (33-26B)	UT02451 (30521)	
RWU #269 (13-26B)	UT02452 (30522)	

Please advise as to the next MIT due date for this well. If you have any questions regarding the tests, please contact me at (435) 781-4301.

Sincerely,



**J. T. Conley**  
District Manager

cc Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, UT 84114-5801  
Attn. Mr. Gil Hunt

U.S Department of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, UT 84078

**MECHANICAL INTEGRITY TEST  
CASING OR ANNULUS PRESSURE TEST**

U.S. ENVIRONMENTAL PROTECTION AGENCY  
UNDERGROUND INJECTION CONTROL PROGRAM, UIC IMPLEMENTATION SECTION (8P-W-GW)  
999 18TH STREET, SUITE 300, DENVER, CO. 80202-2466

EPA WITNESS: \_\_\_\_\_ DATE: 9-4-02 TIME: 2:45  AM  PM  
TEST CONDUCTED BY: LYNN SMITH (Advantage Oil Field Serv. Inc.)  
OTHERS PRESENT: \_\_\_\_\_

WELL NAME: <u>RWU #48 (32-198)</u>	TYPE: <input checked="" type="checkbox"/> ER <input type="checkbox"/> SWD	STATUS: <input type="checkbox"/> AC <input checked="" type="checkbox"/> TA <input type="checkbox"/> UC
FIELD: <u>RED WASH</u>		
WELL LOCATION: <u>SW/NE SEC. 19 T7</u> <input type="checkbox"/> N <input checked="" type="checkbox"/> S <u>R23</u> <input checked="" type="checkbox"/> E <input type="checkbox"/> W	COUNTY: <u>UINTAH</u>	STATE: <u>UTAH</u>
OPERATOR: <u>SHENANDOAH ENERGY INC.</u>		
LAST MIT: <u>9-6-00</u>	MAXIMUM ALLOWABLE PRESSURE: <u>2095</u>	PSIG

IS THIS A REGULAR SCHEDULED TEST?  YES  NO UT 42399  
INITIAL TEST FOR PERMIT?  YES  NO  
TEST AFTER WELL WORK?  YES  NO  
WELL INJECTING DURING TEST?  YES  NO IF YES, RATE: \_\_\_\_\_ BPD  
PRE-TEST CASING/TUBING ANNULUS PRESSURE: 0 PSIG

MIT DATA TABLE	TEST #1	TEST #2	TEST #3
<b>TUBING PRESSURE</b>			
INITIAL PRESSURE	<u>8</u> PSIG	PSIG	PSIG
END OF TEST PRESSURE	<u>8</u> PSIG	PSIG	PSIG
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 MINUTES	<u>1075</u> PSIG	PSIG	PSIG
5 MINUTES	<u>1075</u> PSIG	PSIG	PSIG
10 MINUTES	<u>1075</u> PSIG	PSIG	PSIG
15 MINUTES	<u>1075</u> PSIG	PSIG	PSIG
20 MINUTES	<u>1075</u> PSIG	PSIG	PSIG
25 MINUTES	<u>1070</u> PSIG	PSIG	PSIG
30 MINUTES	<u>1070</u> PSIG	PSIG	PSIG
MINUTES	PSIG	PSIG	PSIG
MINUTES	PSIG	PSIG	PSIG
<b>RESULT</b>	<input checked="" type="checkbox"/> PASS <input type="checkbox"/> FAIL	<input type="checkbox"/> PASS <input type="checkbox"/> FAIL	<input type="checkbox"/> PASS <input type="checkbox"/> FAIL

DOES THE ANNULUS PRESSURE BUILD BACK UP AFTER THE TEST?  YES  NO

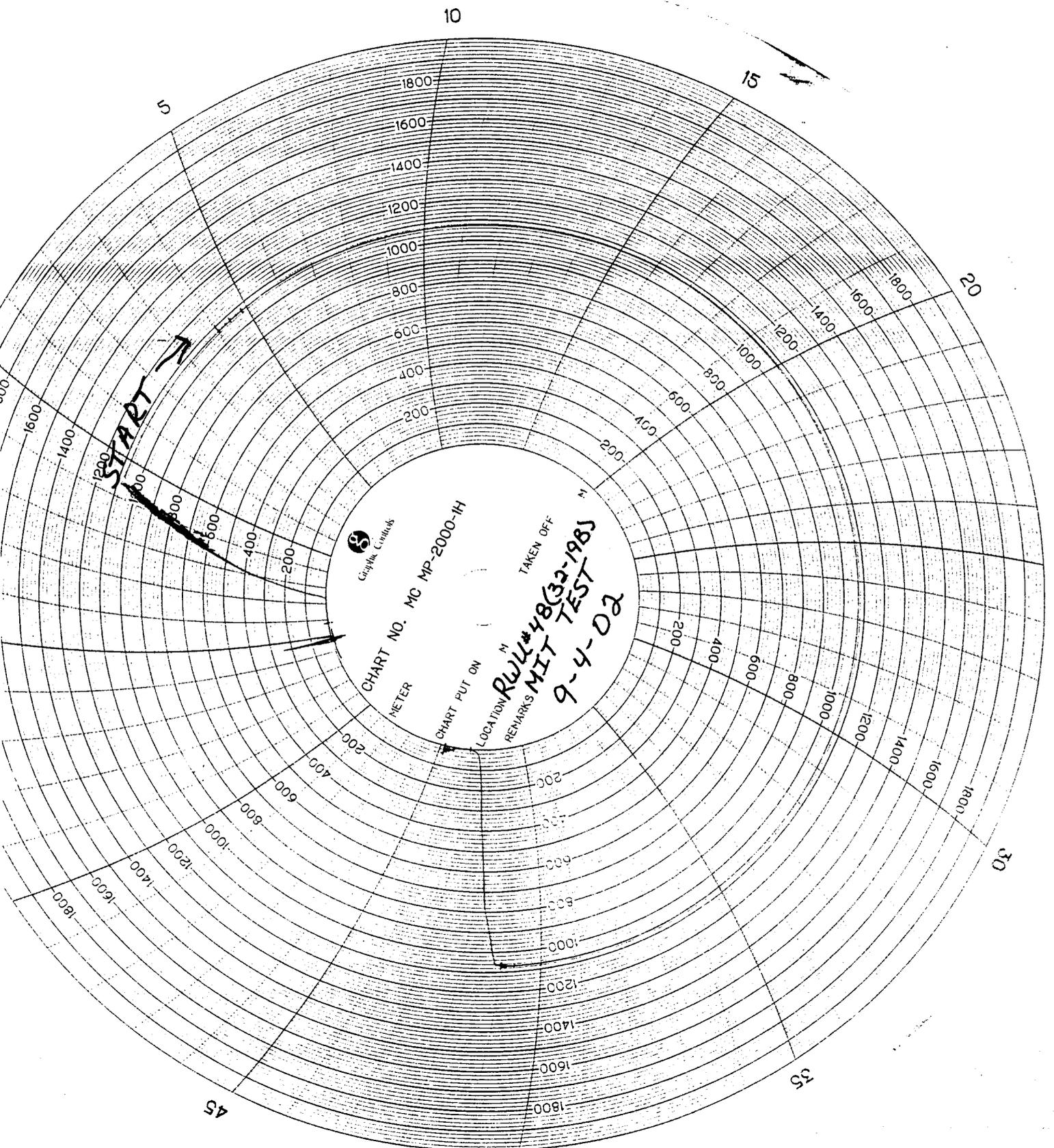


CHART NO. MC MP-2000-1H  
METER

CHART PUT ON

LOCATION RWLL #48 (32-198)  
REMARKS MIT TEST  
9-4-02

TAKEN OFF

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective:		<b>2/1/2003</b>
<b>FROM: (Old Operator):</b>	<b>TO: ( New Operator):</b>	
N4235-Shenandoah Energy Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	N2460-QEP Uinta Basin Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	

**CA No. Unit: RED WASH UNIT**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
RWU 34-13A	13	070S	220E	4304733593	5670	Federal	WI	A	
RWU 34-24A	24	070S	220E	4304733568	5670	Federal	WI	A	
RWU 31-25A	25	070S	220E	4304733577	5670	Federal	WI	A	
RWU 33-25A	25	070S	220E	4304733578	5670	Federal	WI	A	
RWU 61 (12-27A)	27	070S	220E	4304716478	5670	Federal	WI	I	
RWU 34 (23-14B)	14	070S	230E	4304715161	5670	Federal	WI	A	
RWU 283 (43-18B)	18	070S	230E	4304732982	5670	Federal	WI	A	
RWU 31-19B	19	070S	230E	4304733555	5670	Federal	WI	A	
RWU 33-19B	19	070S	230E	4304733499	5670	Federal	WI	A	
RWU 48 (32-19B)	19	070S	230E	4304715174	5670	Federal	WI	I	
RWU 33-20B	20	070S	230E	4304733500	5670	Federal	WI	A	
RWU 6 (41-21B)	21	070S	230E	4304716482	5670	Federal	WI	A	
RWU 59 (12-24B)	24	070S	230E	4304716477	5670	Federal	WI	A	
RWU 269 (13-26B)	26	070S	230E	4304730522	5670	Federal	WI	I	
RWU 275 (31-26B)	26	070S	230E	4304731077	5670	Federal	WI	A	
RWU 56 (41-28B)	28	070S	230E	4304715182	5670	Federal	WI	A	
RWU 31-30B	30	070S	230E	4304733788	5670	Federal	WI	A	
RWU 33-30B	30	070S	230E	4304733790	5670	Federal	WI	A	
RWU 271 (42-35B)	35	070S	230E	4304731081	5670	Federal	WI	I	
RWU 279 (11-36B)	36	070S	230E	4304731052	5670	Federal	WI	A	

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/2/2003
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/19/2003
- Is the new operator registered in the State of Utah: YES Business Number: 5292864-0151
- If **NO**, the operator was contacted on: \_\_\_\_\_

6. (R649-9-2)Waste Management Plan has been received on:

IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 7/21/2003

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 9/10/2003

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 9/16/2003

2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 9/16/2003

3. Bond information entered in RBDMS on: n/a

4. Fee wells attached to bond in RBDMS on: n/a

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: 965-003-032

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: ESB000024

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: 799446

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965-003-033

2. The **FORMER** operator has requested a release of liability from their bond on: n/a

The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



Denver Division

May 28, 2003

Division of Oil, Gas, & Mining  
1594 West North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

Attention: John Baza/Jim Thompson

Gentlemen:

This will serve as notice that through the internal corporate changes described below, activities formerly conducted in the name of either Shenandoah Operating Company, LLC (SOC) and/or Shenandoah Energy, Inc. (SEI) will hereafter be conducted in the name of QEP Uinta Basin, Inc.: i) the Shenandoah entities were purchased in July, 2001 by Questar Market Resources, Inc., which is a mid-level holding company for the non-utility businesses of Questar Corporation, ii) Shenandoah Operating Company, LLC has now been merged into Shenandoah Energy, Inc. (SEI), iii) Shenandoah Energy, Inc. has now been re-named **QEP Uinta Basin, Inc.** pursuant to a State of Delaware Amended and Restated Certificate of Incorporation, iv) the same employees will continue to be responsible for operations of the former SOC and SEI properties, both in the field and in the office. Accordingly, the change involves only an internal corporate name change and no third party change of operator is involved. Please alter your records to reflect the entity name change. Attached is a spreadsheet listing all wells affected by this change.

Should you have any questions, please call me at 303 - 308-3056.

Yours truly,

Frank Nielsen  
Division Landman

Enclosure

RECEIVED

JUN 02 2003

DIV. OF OIL, GAS & MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

IN REPLY REFER TO  
UT-922

June 9, 2003

QEP Uinta Basin, Inc.  
1050 17<sup>th</sup> Street, Suite 500  
Denver, Colorado 80265

Re: Red Wash Unit  
Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed its name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 9, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Red Wash Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Red Wash Unit.

It is requested that you notify all interested parties of the name change of unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)  
SITLA  
Division of Oil, Gas & Mining  
Minerals Adjudication Group  
File – Red Wash Unit (w/enclosure)  
Agr. Sec. Chron  
Fluid Chron

UT922:TAThompson:tt:6/9/03

**JUL 07 2003**

3104 (932.34)WF  
Nationwide Bond ESB000024

NOTICE

QEP Uinta Basin, Inc.  
1050 17<sup>th</sup> Street Suite 500  
Denver, Colorado 80265

:  
: Oil and Gas  
: lease  
:

Name Change Recognized

Acceptable evidence has been filed in this office concerning the name change of Shenandoah Energy Incorporated into QEP Uinta Basin, Incorporated. QEP Uinta Basin, Incorporated is the surviving entity. This name change is recognized effective April 17, 2003.

Eastern States will notify the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this notice.

If you have any questions, please contact Bill Forbes at 703-440-1536.

*S/ Wilbert B. Forbes*

Wilbert B. Forbes  
Land Law Examiner  
Branch of Use Authorization  
Division of Resources Planning,  
Use and Protection

bc: JFO,MMS, ES RF, 930 RF, 932.34 RF, E-932: wbf:07 /07/03:440-1536/ QEP Uinta Basin  
MFU

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number <u>See Attached List</u>	API Number
Location of Well	Field or Unit Name <u>Red Wash</u>
Footage :	County : <u>Uintah</u>
QQ, Section, Township, Range:	State : <u>UTAH</u>
	Lease Designation and Number

EFFECTIVE DATE OF TRANSFER: \_\_\_\_\_

**CURRENT OPERATOR**

Company: <u>Shenandoah Energy Inc</u>	Name: <u>John Busch</u>
Address: <u>11002 East 17500 South</u>	Signature: <u>John Busch</u>
<u>city Vernal state UT zip 84078</u>	Title: <u>District Foreman</u>
Phone: <u>(435) 781-4300</u>	Date: <u>9-02-03</u>
Comments:	

**NEW OPERATOR**

Company: <u>QEP Uinta Basin, Inc.</u>	Name: <u>John Busch</u>
Address: <u>11002 East 17500 South</u>	Signature: <u>John Busch</u>
<u>city Vernal state UT zip 84078</u>	Title: <u>District Foreman</u>
Phone: _____	Date: <u>9-02-03</u>
Comments:	

(This space for State use only)

Transfer approved by: [Signature]  
Title: Public Services Manager

Approval Date: 9-10-03

Comments: Case # 105-01  
located in Indian Country, EPA  
is primary use agency.

RECEIVED  
SEP 04 2003  
DIV. OF OIL, GAS & MINING

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	Field	Footages
RED WASH UNIT 261	17	070S	230E	4304732739	5670	Federal	WI	A	Red Wash	1785 FSL, 1843 FWL
RWU 100-A (43-21A)	21	070S	220E	4304715219	5670	Federal	WI	A	Red Wash	1787 FSL, 534 FEL
RWU 102 (41-24A)	24	070S	220E	4304715221	5670	Federal	WI	A	Red Wash	1360 FNL, 660 FEL
RWU 11	27	070S	230E	4304715142	5670	Federal	WI	A	Red Wash	660 FSL, 2030 FEL
RWU 11-19B	19	070S	230E	4304733552	5670	Federal	WI	A	Red Wash	618 FNL, 477 FWL
RWU 11-20B	20	070S	230E	4304733553	5670	Federal	WI	A	Red Wash	761 FNL, 677 FWL
RWU 11-25A	25	070S	220E	4304733574	5670	Federal	WI	A	Red Wash	1206 FNL, 491 FWL
RWU 11-29B	29	070S	230E	4304733590	5670	Federal	WI	A	Red Wash	786 FNL, 819 FWL
RWU 11-30B	30	070S	230E	4304733785	5670	Federal	WI	A	Red Wash	590 FNL, 787 FWL
RWU 12-24A	24	070S	220E	4304733591	5670	Federal	WI	A	Red Wash	1528 FNL, 930 FWL
RWU 13-19B	19	070S	230E	4304733497	5670	Federal	WI	A	Red Wash	1802 FSL, 374 FWL
RWU 13-20B	20	070S	230E	4304733498	5670	Federal	WI	A	Red Wash	2143' FSL, 704' FWL
RWU 13-25A	25	070S	220E	4304733575	5670	Federal	WI	A	Red Wash	1446 FSL, 664 FWL
RWU 14 (14-13B)	13	070S	230E	4304715144	5670	Federal	WI	A	Red Wash	660 FSL, 660 FWL
RWU 148 (13-22B)	22	070S	230E	4304715261	5670	Federal	WI	A	Red Wash	2073 FSL, 660 FWL
RWU 150 (31-22B)	22	070S	230E	4304715263	5670	Federal	WI	I	Red Wash	595 FNL, 1935 FEL
RWU 156 (23-15B)	15	070S	230E	4304715267	5670	Federal	WI	A	Red Wash	2115 FSL, 1982 FWL
RWU 16 (43-28B)	28	070S	230E	4304716475	5670	Federal	WI	I	Red Wash	1980 FSL, 660 FEL
RWU 161 (14-20B)	20	070S	230E	4304715271	5670	Federal	WI	I	Red Wash	660 FSL, 678 FWL
RWU 17 (41-20B)	20	070S	230E	4304715146	5670	Federal	WI	A	Red Wash	660 FNL, 660 FEL
RWU 170 (41-15B)	15	070S	230E	4304716495	5670	Federal	WI	I	Red Wash	660 FNL, 660 FEL
RWU 173 (21-21B)	21	070S	230E	4304716496	5670	Federal	WI	A	Red Wash	660 FNL, 1980 FWL
RWU 174 (21-20B)	20	070S	230E	4304715281	5670	Federal	WI	A	Red Wash	660 FNL, 1980 FWL
RWU 182 (14-21B)	21	070S	230E	4304716497	5670	Federal	WI	A	Red Wash	629 FSL, 652 FWL
RWU 183 (33-13B)	13	070S	230E	4304715289	5670	Federal	WI	A	Red Wash	1833 FSL, 2027 FEL
RWU 185 (41-1B)	14	070S	230E	4304716498	5670	Federal	WI	A	Red Wash	747 FNL, 660 FEL
RWU 199 (43-22A)	22	070S	220E	4304715301	5670	Federal	WI	A	Red Wash	1980 FSL, 658 FEL
RWU 2 (14-24B)	24	070S	230E	4304716472	5670	Federal	WI	A	Red Wash	735 FSL, 790 FWL
RWU 202 (21-34A)	34	070S	220E	4304715303	5670	Federal	WI	I	Red Wash	660 FNL, 1980 FWL
RWU 213 (41-33B)	33	070S	230E	4304720060	5670	Federal	WD	A	Red Wash	660 FNL, 580 FEL
RWU 215 (43-28A)	28	070S	220E	4304730058	5670	Federal	WI	A	Red Wash	1980' FSL, 661 FEL
RWU 216 (21-27A)	27	070S	220E	4304730103	5670	Federal	WI	A	Red Wash	660 FNL, 1976 FWL
RWU 23 (21-23B)	23	070S	230E	4304715151	5670	Federal	WI	A	Red Wash	695 FNL, 2015 FWL
RWU 23-18C (97)	18	070S	240E	4304715216	5670	Federal	WI	I	Red Wash	1956 FSL, 1699 FWL
RWU 25 (23-23B)	23	070S	230E	4304716476	5670	Federal	WI	A	Red Wash	1980 FSL, 1980 FWL
RWU 258 (34-22A)	22	070S	220E	4304730458	5670	Federal	WI	A	Red Wash	885 FSL, 2025 FEL

RWU 263 (24-26B)	26	070S	230E	4304730518	5670	Federal	WI	I	Red Wash	591 FSL, 2007 FWL
RWU 264 (31-35B)	35	070S	230E	4304730519	5670	Federal	WI	A	Red Wash	687 FNL, 2025 FEL
RWU 266 (33-26B)	26	070S	230E	4304730521	5670	Federal	WI	I	Red Wash	1980 FSL, 1980 FEL
RWU 268 (43-17B)	17	070S	230E	4304732980	5670	Federal	WI	A	Red Wash	1924 FSL, 981 FEL
RWU 269 (13-26B)	26	070S	230E	4304730522	5670	Federal	WI	I	Red Wash	2170' FSL, 670' FWL
RWU 271 (42-35B)	35	070S	230E	4304731081	5670	Federal	WI	I	Red Wash	1979 FNL, 660 FEL
RWU 274 (13-25B)	25	070S	230E	4304731083	5670	Federal	WI		Red Wash	2129 FSL, 659 FWL
RWU 275 (31-26B)	26	070S	230E	4304731077	5670	Federal	WI	A	Red Wash	675 FNL, 1869 FEL
RWU 279 (11-36B)	36	070S	230E	4304731052	5670	Federal	WI	A	Red Wash	659 FNL, 660 FWL
RWU 283 (43-18B)	18	070S	230E	4304732982	5670	Federal	WI	A	Red Wash	1899 FSL, 708 FEL
RWU 31-19B	19	070S	230E	4304733555	5670	Federal	WI	A	Red Wash	601 FNL, 1770 FEL
RWU 31-25A	25	070S	220E	4304733577	5670	Federal	WI	A	Red Wash	1248 FNL, 2159 FEL
RWU 31-30B	30	070S	230E	4304733788	5670	Federal	WI	A	Red Wash	950 FNL, 1943 FEL
RWU 33-19B	19	070S	230E	4304733499	5670	Federal	WI	A	Red Wash	2606 FSL, 1851 FEL
RWU 33-20B	20	070S	230E	4304733500	5670	Federal	WI	A	Red Wash	2210 FSL, 2295 FEL
RWU 33-25A	25	070S	220E	4304733578	5670	Federal	WI	A	Red Wash	1413 FSL, 1809 FEL
RWU 33-30B	30	070S	230E	4304733790	5670	Federal	WI	A	Red Wash	1775 FSL, 1937 FEL
RWU 34 (23-14B)	14	070S	230E	4304715161	5670	Federal	WI	A	Red Wash	1980 FSL, 1980 FWL
RWU 34-13A	13	070S	220E	4304733593	5670	Federal	WI	A	Red Wash	1302 FSL, 1725 FEL
RWU 34-24A	24	070S	220E	4304733568	5670	Federal	WI	A	Red Wash	1295 FSL, 2125 FEL
RWU 48 (32-19B)	19	070S	230E	4304715174	5670	Federal	WI	I	Red Wash	1830 FNL, 1980 FEL
RWU 56 (41-28B)	28	070S	230E	4304715182	5670	Federal	WI	A	Red Wash	660 FNL, 660 FEL
RWU 59 (12-24B)	24	070S	230E	4304716477	5670	Federal	WI	A	Red Wash	1980 FNL, 660 FWL
RWU 6 (41-21B)	21	070S	230E	4304716482	5670	Federal	WI	A	Red Wash	660' FNL, 660 FEL
RWU 61 (12-27A)	27	070S	220E	4304716478	5670	Federal	WI	I	Red Wash	2034 FNL, 689 FWL
RWU 68 (41-13B)	13	070S	230E	4304716485	5670	Federal	WI	I	Red Wash	660 FNL, 660 FEL
RWU 7 (41-27B)	27	070S	230E	4304716473	5670	Federal	WI	I	Red Wash	567 FNL, 621 FEL
RWU 88 (23-18B)	18	070S	230E	4304715210	5670	Federal	WI	A	Red Wash	1980 FSL, 1980 FWL
RWU 91 (33-22B)	22	070S	230E	4304716479	5670	Federal	WI	A	Red Wash	1980 FSL, 3300 FWL
RWU 93 (43-27B)	27	070S	230E	4304716480	5670	Federal	WI	I	Red Wash	660 FSL, 660 FEL
RWU 324 (23-16B)	16	070S	230E	4304733084	5670	State	WI	I	Red Wash	1274 FSL, 1838 FWL

**MECHANICAL INTEGRITY TEST  
CASING OR ANNULUS PRESSURE TEST**

E-9# UT2000-02399  
API# 43-047-15174

U.S. ENVIRONMENTAL PROTECTION AGENCY  
UNDERGROUND INJECTION CONTROL PROGRAM, UIC IMPLEMENTATION SECTION (8P-W-GW)  
999 18TH STREET, SUITE 300, DENVER, CO. 80202-2466

EPA WITNESS: NO DATE: 8-19-04 TIME: 11:00 AM  PM

TEST CONDUCTED BY: Dennis J. Paulson (Questar)

OTHERS PRESENT: Lynn Smith (Advantage Hot oil)

WELL NAME: <u>RW 32-19B</u>	TYPE: <input type="checkbox"/> ER <input type="checkbox"/> SWD	STATUS: <input type="checkbox"/> AC <input checked="" type="checkbox"/> TA <input type="checkbox"/> UC
FIELD: <u>REDWASH</u>		
WELL LOCATION: <u>SW NE SEC-19 T7</u>	<input type="checkbox"/> N <input checked="" type="checkbox"/> S <input type="checkbox"/> R23	<input checked="" type="checkbox"/> E <input type="checkbox"/> W
COUNTY: <u>UINTAH</u> STATE: <u>UTAH</u>		
OPERATOR: <u>QEP UINTA BASIN INC.</u>		
LAST MIT: <u>9/4/2002</u>	MAXIMUM ALLOWABLE PRESSURE: <u>2095</u>	PSIG

IS THIS A REGULAR SCHEDULED TEST?  YES  NO

INITIAL TEST FOR PERMIT?  YES  NO

TEST AFTER WELL WORK?  YES  NO

WELL INJECTING DURING TEST?  YES  NO IF YES, RATE: \_\_\_\_\_ BPD

PRE-TEST CASING/TUBING ANNULUS PRESSURE: 0 :PSIG

MIT DATA TABLE TUBING	TEST #1 PRESSURE	TEST #2	TEST #3
INITIAL PRESSURE	<u>0</u> PSIG	PSIG	PSIG
END OF TEST PRESSURE	<u>0</u> PSIG	PSIG	PSIG

CASING/TUBING	ANNULUS	PRESSURE		
<u>11:09</u> MINUTES	<u>1068.4</u>	PSIG		PSIG
<u>11:14</u> 5 MINUTES	<u>1063.1</u>	PSIG		PSIG
<u>11:19</u> 10 MINUTES	<u>1060.9</u>	PSIG		PSIG
<u>11:24</u> 15 MINUTES	<u>1059.4</u>	PSIG		PSIG
<u>11:29</u> 20 MINUTES	<u>1058.2</u>	PSIG		PSIG
<u>11:34</u> 25 MINUTES	<u>1057.2</u>	PSIG		PSIG
<u>11:39</u> 30 MINUTES	<u>1056.3</u>	PSIG		PSIG
MINUTES		PSIG		PSIG
MINUTES		PSIG		PSIG

RESULT  PASS  FAIL  PASS  FAIL  PASS  FAIL

DOES THE ANNULUS PRESSURE BUILD BACK UP AFTER THE TEST?  YES  NO

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

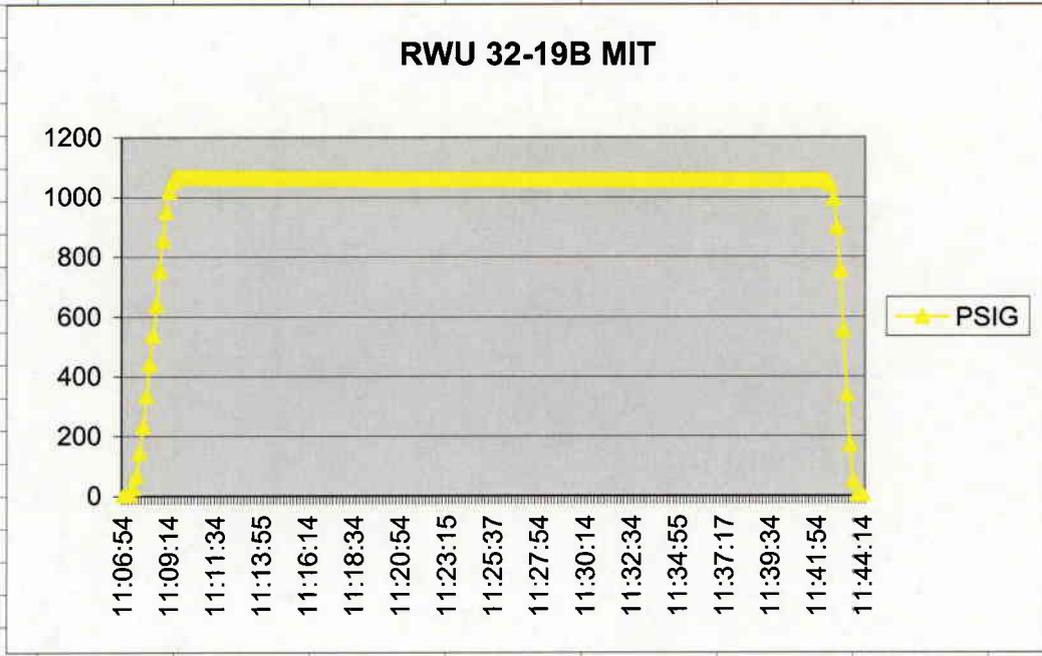
3000	PSIG	7049-1				4	3	AMBIENT
DATE	MONTH	YEAR	TIME	FILE	SAMPLE	PSIG	BAR	TEMP
19	AUG	2004	11:06:54	4	1	0	24.6	85
19	AUG	2004	11:07:04	4	2	0	24.6	85
19	AUG	2004	11:07:14	4	3	0	24.6	85
19	AUG	2004	11:07:24	4	4	26.673	24.6	85
19	AUG	2004	11:07:35	4	5	67.89	24.6	85
19	AUG	2004	11:07:47	4	6	143.67	24.6	85
19	AUG	2004	11:07:54	4	7	232.27	24.6	85
19	AUG	2004	11:08:04	4	8	334.74	24.6	85
19	AUG	2004	11:08:14	4	9	440.37	24.6	85
19	AUG	2004	11:08:24	4	10	536.1	24.6	85
19	AUG	2004	11:08:35	4	11	640.2	24.6	85
19	AUG	2004	11:08:47	4	12	753.5	24.6	86
19	AUG	2004	11:08:54	4	13	856.8	24.6	86
19	AUG	2004	11:09:04	4	14	951.6	24.6	85
19	AUG	2004	11:09:14	4	15	1020.2	24.6	86
19	AUG	2004	11:09:24	4	16	1052.2	24.6	86
19	AUG	2004	11:09:35	4	17	1068.4	24.6	86
19	AUG	2004	11:09:47	4	18	1067.4	24.6	85
19	AUG	2004	11:09:54	4	19	1066.4	24.6	85
19	AUG	2004	11:10:04	4	20	1066.6	24.6	86
19	AUG	2004	11:10:14	4	21	1066.7	24.6	86
19	AUG	2004	11:10:24	4	22	1066.1	24.6	85
19	AUG	2004	11:10:34	4	23	1066.2	24.6	85
19	AUG	2004	11:10:45	4	24	1066.3	24.6	85
19	AUG	2004	11:10:57	4	25	1066.1	24.6	86
19	AUG	2004	11:11:04	4	26	1065.9	24.6	85
19	AUG	2004	11:11:14	4	27	1065.6	24.6	85
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19	AUG	2004	11:12:04	4	32	1064.6	24.6	85
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19	AUG	2004	11:13:04	4	38	1063.8	24.6	85
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19	AUG	2004	11:13:44	4	42	1063.3	24.6	85
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19	AUG	2004	11:14:07	4	44	1063.1	24.6	85
19	AUG	2004	11:14:14	4	45	1063	24.6	85
19	AUG	2004	11:14:24	4	46	1062.9	24.6	85
19	AUG	2004	11:14:34	4	47	1062.8	24.6	85
19	AUG	2004	11:14:44	4	48	1062.7	24.6	85
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19	AUG	2004	11:15:07	4	50	1062.6	24.6	85

3000	PSIG	7049-1				4	3	AMBIENT
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19	AUG	2004	11:16:14	4	57	1062	24.6	85
19	AUG	2004	11:16:24	4	58	1061.9	24.6	85
19	AUG	2004	11:16:34	4	59	1061.8	24.6	85
19	AUG	2004	11:16:44	4	60	1061.7	24.6	85
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19	AUG	2004	11:17:34	4	65	1061.4	24.6	85
19	AUG	2004	11:17:44	4	66	1061.3	24.6	85
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19	AUG	2004	11:18:17	4	69	1061.2	24.6	85
19	AUG	2004	11:18:24	4	70	1061.1	24.6	85
19	AUG	2004	11:18:34	4	71	1061	24.6	85
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19	AUG	2004	11:19:17	4	75	1060.8	24.6	85
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19	AUG	2004	11:19:34	4	77	1060.7	24.6	85
19	AUG	2004	11:19:44	4	78	1060.6	24.6	85
19	AUG	2004	11:19:54	4	79	1060.5	24.6	85
19	AUG	2004	11:20:04	4	80	1060.5	24.6	85
19	AUG	2004	11:20:15	4	81	1060.4	24.6	85
19	AUG	2004	11:20:27	4	82	1060.4	24.6	85
19	AUG	2004	11:20:34	4	83	1060.4	24.6	85
19	AUG	2004	11:20:44	4	84	1060.3	24.6	85
19	AUG	2004	11:20:54	4	85	1060.3	24.6	85
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19	AUG	2004	11:21:15	4	87	1060.2	24.6	85
19	AUG	2004	11:21:27	4	88	1060.1	24.6	85
19	AUG	2004	11:21:34	4	89	1060.1	24.6	85
19	AUG	2004	11:21:44	4	90	1060	24.6	85
19	AUG	2004	11:21:54	4	91	1060	24.6	85
19	AUG	2004	11:22:04	4	92	1060	24.6	85
19	AUG	2004	11:22:15	4	93	1059.9	24.6	85
19	AUG	2004	11:22:27	4	94	1059.9	24.6	85
19	AUG	2004	11:22:34	4	95	1059.8	24.6	85
19	AUG	2004	11:22:44	4	96	1059.7	24.6	85
19	AUG	2004	11:22:54	4	97	1059.7	24.6	85
19	AUG	2004	11:23:04	4	98	1059.6	24.6	85
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19	AUG	2004	11:23:27	4	100	1059.6	24.7	85

3000	PSIG	7049-1				4	3	AMBIENT
DATE	MONTH	YEAR	TIME	FILE	SAMPLE	PSIG	BAR	TEMP
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19	AUG	2004	11:23:44	4	102	1059.5	24.7	85
19	AUG	2004	11:23:54	4	103	1059.4	24.7	85
19	AUG	2004	11:24:04	4	104	1059.4	24.7	85
19	AUG	2004	11:24:14	4	105	1059.3	24.7	85
19	AUG	2004	11:24:25	4	106	1059.3	24.7	85
19	AUG	2004	11:24:37	4	107	1059.3	24.7	85
19	AUG	2004	11:24:44	4	108	1059.2	24.7	85
19	AUG	2004	11:24:54	4	109	1059.2	24.7	85
19	AUG	2004	11:25:04	4	110	1059.1	24.7	85
19	AUG	2004	11:25:14	4	111	1059.1	24.7	85
19	AUG	2004	11:25:25	4	112	1059	24.7	85
19	AUG	2004	11:25:37	4	113	1059	24.7	85
19	AUG	2004	11:25:44	4	114	1058.9	24.7	85
19	AUG	2004	11:25:54	4	115	1058.9	24.7	85
19	AUG	2004	11:26:04	4	116	1058.9	24.7	85
19	AUG	2004	11:26:14	4	117	1058.8	24.7	85
19	AUG	2004	11:26:25	4	118	1058.8	24.7	85
19	AUG	2004	11:26:37	4	119	1058.7	24.7	85
19	AUG	2004	11:26:44	4	120	1058.7	24.7	85
19	AUG	2004	11:26:54	4	121	1058.7	24.7	85
19	AUG	2004	11:27:04	4	122	1058.6	24.7	85
19	AUG	2004	11:27:14	4	123	1058.6	24.7	84
19	AUG	2004	11:27:24	4	124	1058.6	24.7	84
19	AUG	2004	11:27:35	4	125	1058.5	24.7	84
19	AUG	2004	11:27:47	4	126	1058.5	24.7	84
19	AUG	2004	11:27:54	4	127	1058.4	24.7	84
19	AUG	2004	11:28:04	4	128	1058.4	24.7	84
19	AUG	2004	11:28:14	4	129	1058.3	24.7	84
19	AUG	2004	11:28:24	4	130	1058.3	24.7	84
19	AUG	2004	11:28:35	4	131	1058.3	24.7	84
19	AUG	2004	11:28:47	4	132	1058.2	24.7	84
19	AUG	2004	11:28:54	4	133	1058.2	24.7	84
19	AUG	2004	11:29:04	4	134	1058.2	24.7	84
19	AUG	2004	11:29:14	4	135	1058.1	24.7	84
19	AUG	2004	11:29:24	4	136	1058.1	24.7	84
19	AUG	2004	11:29:35	4	137	1058	24.7	84
19	AUG	2004	11:29:47	4	138	1058	24.7	84
19	AUG	2004	11:29:54	4	139	1058	24.7	84
19	AUG	2004	11:30:04	4	140	1058	24.7	84
19	AUG	2004	11:30:14	4	141	1057.9	24.7	84
19	AUG	2004	11:30:24	4	142	1057.9	24.7	84
19	AUG	2004	11:30:34	4	143	1057.8	24.7	84
19	AUG	2004	11:30:45	4	144	1057.8	24.7	84
19	AUG	2004	11:30:57	4	145	1057.8	24.7	84
19	AUG	2004	11:31:04	4	146	1057.7	24.7	84
19	AUG	2004	11:31:14	4	147	1057.7	24.7	84
19	AUG	2004	11:31:24	4	148	1057.7	24.7	84
19	AUG	2004	11:31:34	4	149	1057.6	24.7	84
19	AUG	2004	11:31:45	4	150	1057.6	24.7	84

3000	PSIG	7049-1				4	3	AMBIENT
DATE	MONTH	YEAR	TIME	FILE	SAMPLE	PSIG	BAR	TEMP
19	AUG	2004	11:31:57	4	151	1057.6	24.7	84
19	AUG	2004	11:32:04	4	152	1057.5	24.7	84
19	AUG	2004	11:32:14	4	153	1057.5	24.7	84
19	AUG	2004	11:32:24	4	154	1057.5	24.7	84
19	AUG	2004	11:32:34	4	155	1057.4	24.7	84
19	AUG	2004	11:32:45	4	156	1057.4	24.7	84
19	AUG	2004	11:32:57	4	157	1057.4	24.7	84
19	AUG	2004	11:33:04	4	158	1057.3	24.7	84
19	AUG	2004	11:33:14	4	159	1057.3	24.7	84
19	AUG	2004	11:33:24	4	160	1057.2	24.7	84
19	AUG	2004	11:33:34	4	161	1057.3	24.7	83
19	AUG	2004	11:33:44	4	162	1057.2	24.7	84
19	AUG	2004	11:33:55	4	163	1057.1	24.7	84
19	AUG	2004	11:34:07	4	164	1057.2	24.7	83
19	AUG	2004	11:34:14	4	165	1057.1	24.7	83
19	AUG	2004	11:34:24	4	166	1057.1	24.7	83
19	AUG	2004	11:34:34	4	167	1057.1	24.7	83
19	AUG	2004	11:34:44	4	168	1057	24.7	83
19	AUG	2004	11:34:55	4	169	1057	24.7	83
19	AUG	2004	11:35:07	4	170	1057	24.7	83
19	AUG	2004	11:35:14	4	171	1057	24.7	83
19	AUG	2004	11:35:24	4	172	1056.9	24.7	83
19	AUG	2004	11:35:34	4	173	1056.9	24.7	83
19	AUG	2004	11:35:44	4	174	1056.8	24.7	83
19	AUG	2004	11:35:55	4	175	1056.8	24.7	83
19	AUG	2004	11:36:07	4	176	1056.8	24.7	83
19	AUG	2004	11:36:14	4	177	1056.8	24.7	83
19	AUG	2004	11:36:24	4	178	1056.8	24.7	83
19	AUG	2004	11:36:34	4	179	1056.7	24.7	83
19	AUG	2004	11:36:44	4	180	1056.7	24.7	83
19	AUG	2004	11:36:54	4	181	1056.7	24.7	83
19	AUG	2004	11:37:05	4	182	1056.6	24.7	83
19	AUG	2004	11:37:17	4	183	1056.6	24.7	83
19	AUG	2004	11:37:24	4	184	1056.6	24.7	83
19	AUG	2004	11:37:34	4	185	1056.5	24.7	84
19	AUG	2004	11:37:44	4	186	1056.5	24.7	84
19	AUG	2004	11:37:54	4	187	1056.4	24.7	84
19	AUG	2004	11:38:05	4	188	1056.4	24.7	84
19	AUG	2004	11:38:17	4	189	1056.4	24.7	84
19	AUG	2004	11:38:24	4	190	1056.4	24.7	84
19	AUG	2004	11:38:34	4	191	1056.3	24.7	84
19	AUG	2004	11:38:44	4	192	1056.3	24.7	84
19	AUG	2004	11:38:54	4	193	1056.3	24.7	84
19	AUG	2004	11:39:05	4	194	1056.3	24.7	84
19	AUG	2004	11:39:17	4	195	1056.2	24.7	84
19	AUG	2004	11:39:24	4	196	1056.2	24.7	84
19	AUG	2004	11:39:34	4	197	1056.2	24.7	84
19	AUG	2004	11:39:44	4	198	1056.2	24.7	84
19	AUG	2004	11:39:54	4	199	1056.1	24.7	84
19	AUG	2004	11:40:04	4	200	1056.1	24.7	84

3000	PSIG	7049-1				4	3	AMBIENT
DATE	MONTH	YEAR	TIME	FILE	SAMPLE	PSIG	BAR	TEMP
19	AUG	2004	11:40:15	4	201	1056.1	24.7	84
19	AUG	2004	11:40:27	4	202	1056	24.7	84
19	AUG	2004	11:40:34	4	203	1056	24.7	84
19	AUG	2004	11:40:44	4	204	1056	24.7	84
19	AUG	2004	11:40:54	4	205	1056	24.7	84
19	AUG	2004	11:41:04	4	206	1055.9	24.7	84
19	AUG	2004	11:41:15	4	207	1055.9	24.7	84
19	AUG	2004	11:41:27	4	208	1055.9	24.7	84
19	AUG	2004	11:41:34	4	209	1055.9	24.7	84
19	AUG	2004	11:41:44	4	210	1055.8	24.7	84
19	AUG	2004	11:41:54	4	211	1055.8	24.7	84
19	AUG	2004	11:42:04	4	212	1055.8	24.7	84
19	AUG	2004	11:42:15	4	213	1055.8	24.7	84
19	AUG	2004	11:42:27	4	214	1055.8	24.7	84
19	AUG	2004	11:42:34	4	215	1042.2	24.7	84
19	AUG	2004	11:42:44	4	216	993.2	24.7	84
19	AUG	2004	11:42:54	4	217	898.2	24.7	84
19	AUG	2004	11:43:04	4	218	755.5	24.7	85
19	AUG	2004	11:43:14	4	219	554.8	24.7	85
19	AUG	2004	11:43:25	4	220	339.87	24.7	85
19	AUG	2004	11:43:37	4	221	171.01	24.7	85
19	AUG	2004	11:43:44	4	222	49.86	24.7	85
19	AUG	2004	11:43:54	4	223	0	24.7	85
19	AUG	2004	11:44:04	4	224	0	24.7	85
19	AUG	2004	11:44:14	4	225	0	24.7	85





UEP Uinta Basin, Inc.  
11002 East 17500 South  
Vernal, UT 84078  
Tel 435 781 4300 • Fax 435 781 4329

S. L. Tomkinson  
Phone: 435-781-4308  
Fax: 435-781-4323  
Email: [Stephanie.Tomkinson@questar.com](mailto:Stephanie.Tomkinson@questar.com)

August 21, 2006

Via Certified Mail: 7005 0390 0004 6658 1857

Nathan Wiser (8ENF-UFO)  
UIC Program  
U.S. EPA, Region VIII  
999 18<sup>th</sup> Street, Suite 300  
Denver, Colorado 80202-2466

***RE: Mechanical Integrity Test (MIT)  
for  
RW 32-19B  
EPA # UT2000-02399  
API #43-047-15174  
SWNE SECTION 19 T7S R23E***

Dear Mr. Wiser:

Enclosed for the subject well is the successful MIT result including the Casing or Annulus Pressure Test form and the pressure test chart. The MIT for this well is a regularly scheduled test.

If you have any questions or require additional information, I can be reached at 435-781-4308.

Sincerely,

Stephanie L. Tomkinson  
Regulatory Affairs Biologist

Enclosures: MIT Casing or Annulus Pressure Test Form  
MIT Results Spreadsheet with Pressure Test Chart

cc: Utah Division of Oil Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

U.S. Department of the Interior  
Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

RECEIVED  
AUG 23 2006  
DIV. OF OIL, GAS & MINING

# MECHANICAL INTEGRITY TEST CASING OR ANNULUS PRESSURE TEST

U.S. ENVIRONMENTAL PROTECTION AGENCY  
UNDERGROUND INJECTION CONTROL PROGRAM, UIC IMPLEMENTATION SECTION (8P-W-GW)  
999 18TH STREET, SUITE 300, DENVER, CO. 80202-2466

EPA WITNESS: NO DATE: 8/10/2006 TIME: 9:15  AM  PM

TEST CONDUCTED BY: Dennis J. Paulson (Questar)

OTHERS PRESENT: LYNN SMITH (ADVANTAGE OILFIELD SERVICES)

API NUMBER: 43-047-15174 EPA ID NUMBER: UT2000-02399

WELL NAME: <u>RW 32-19B</u>	TYPE: <input checked="" type="checkbox"/> ER <input type="checkbox"/> SWD	STATUS: <input type="checkbox"/> AC <input checked="" type="checkbox"/> TA <input type="checkbox"/> UC
FIELD: <u>RED WASH</u>		
WELL LOCATION: <u>SWNE-19-7S-23E</u> <input type="checkbox"/> N <input type="checkbox"/> S	<input type="checkbox"/> E <input type="checkbox"/> W	COUNTY: <u>UINTAH</u> STATE: <u>UTAH</u>
OPERATOR: <u>QEP UINTA BASIN INC.</u>		
LAST MIT: <u>19-Aug-04</u>	MAXIMUM ALLOWABLE PRESSURE:	<u>2095</u> PSIG

IS THIS A REGULAR SCHEDULED TEST?  YES  NO

INITIAL TEST FOR PERMIT?  YES  NO

TEST AFTER WELL WORK?  YES  NO

WELL INJECTING DURING TEST?  YES  NO IF YES, RATE: 0 BPD

PRE-TEST CASING/TUBING ANNULUS PRESSURE: 3 :PSIG

MIT DATA TABLE	TEST #1	TEST #2	TEST #3
TUBING	PRESSURE		
INITIAL PRESSURE	0 PSIG	PSIG	PSIG
END OF TEST PRESSURE	0 PSIG	PSIG	PSIG

CASING/TUBING	ANNULUS	TUBING
0 MINUTES	<u>1088.6 @9:30:03</u> PSIG	0 PSIG
5 MINUTES	<u>1085.1 @9:35:11</u> PSIG	0 PSIG
10 MINUTES	<u>1082.6 @9:40:19</u> PSIG	0 PSIG
15 MINUTES	<u>1080.9 @9:45:27</u> PSIG	0 PSIG
20 MINUTES	<u>1079.6 @ 9:50:21</u> PSIG	0 PSIG
25 MINUTES	<u>1078.3 @9:55:15</u> PSIG	0 PSIG
30 MINUTES	<u>1077.4 @10:00:09</u> PSIG	0 PSIG
MINUTES	PSIG	PSIG
MINUTES	PSIG	PSIG

RESULT  PASS  FAIL  PASS  FAIL  PASS  FAIL

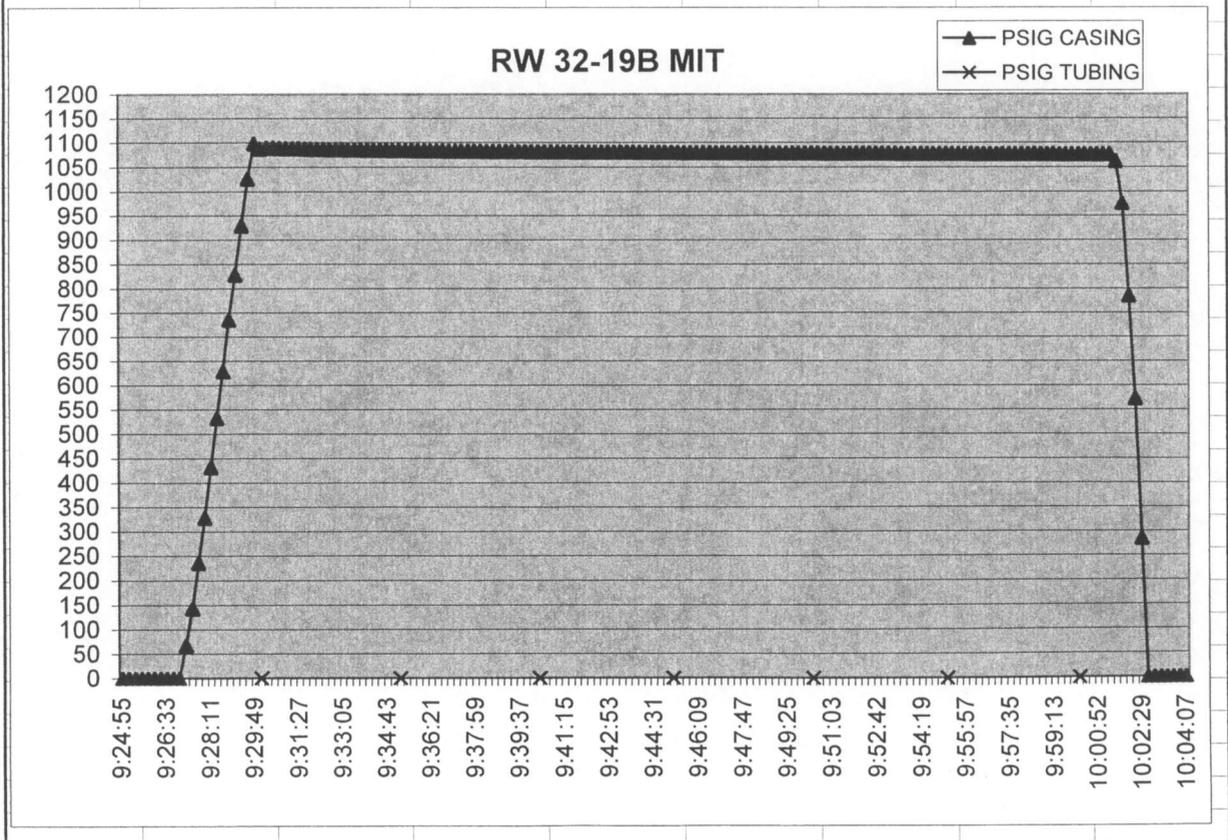
DOES THE ANNULUS PRESSURE BUILD BACK UP AFTER THE TEST?  YES  NO

3000 PSIG		2404-1		29 MAR		6		PSIG	PSIG	AMBIENT
DATE	MONTH	YEAR	TIME	FILE	SAMPLE	CASING	TUBING	TEMP.		
10	AUG	2006	9:24:55		5	1	0			75
10	AUG	2006	9:25:09		5	2	0			75
10	AUG	2006	9:25:23		5	3	0			75
10	AUG	2006	9:25:37		5	4	0			75
10	AUG	2006	9:25:51		5	5	0			75
10	AUG	2006	9:26:05		5	6	0			75
10	AUG	2006	9:26:19		5	7	0			75
10	AUG	2006	9:26:33		5	8	0			75
10	AUG	2006	9:26:47		5	9	0			75
10	AUG	2006	9:27:01		5	10	0			75
10	AUG	2006	9:27:15		5	11	67.52			75
10	AUG	2006	9:27:29		5	12	143.08			75
10	AUG	2006	9:27:43		5	13	236.71			75
10	AUG	2006	9:27:57		5	14	328.9			77
10	AUG	2006	9:28:11		5	15	432.58			77
10	AUG	2006	9:28:25		5	16	532.9			77
10	AUG	2006	9:28:40		5	17	629.1			77
10	AUG	2006	9:28:54		5	18	735.5			77
10	AUG	2006	9:29:07		5	19	828.9			77
10	AUG	2006	9:29:21		5	20	929.4			77
10	AUG	2006	9:29:35		5	21	1026.5			77
10	AUG	2006	9:29:49		5	22	1098.7			77
10	AUG	2006	9:30:03		5	23	1088.6		0	77
10	AUG	2006	9:30:17		5	24	1090.1			77
10	AUG	2006	9:30:31		5	25	1091			77
10	AUG	2006	9:30:45		5	26	1089.8			77
10	AUG	2006	9:30:59		5	27	1088.7			77
10	AUG	2006	9:31:13		5	28	1089.1			77
10	AUG	2006	9:31:27		5	29	1088.7			77
10	AUG	2006	9:31:41		5	30	1088.1			77
10	AUG	2006	9:31:55		5	31	1087.9			77
10	AUG	2006	9:32:09		5	32	1087.8			77
10	AUG	2006	9:32:23		5	33	1087.4			77
10	AUG	2006	9:32:38		5	34	1087.2			77
10	AUG	2006	9:32:52		5	35	1086.8			79
10	AUG	2006	9:33:05		5	36	1086.7			79
10	AUG	2006	9:33:19		5	37	1086.5			79
10	AUG	2006	9:33:33		5	38	1086.3			79
10	AUG	2006	9:33:47		5	39	1086.1			79
10	AUG	2006	9:34:01		5	40	1085.9			79
10	AUG	2006	9:34:15		5	41	1085.8			79
10	AUG	2006	9:34:29		5	42	1085.6			79
10	AUG	2006	9:34:43		5	43	1085.4			79
10	AUG	2006	9:34:57		5	44	1085.3			79
10	AUG	2006	9:35:11		5	45	1085.1		0	79
10	AUG	2006	9:35:25		5	46	1085			79
10	AUG	2006	9:35:39		5	47	1084.9			79
10	AUG	2006	9:35:53		5	48	1084.7			79
10	AUG	2006	9:36:07		5	49	1084.6			79

3000 PSIG		2404-1	29 MAR		6		PSIG	PSIG	AMBIENT
DATE	MONTH	YEAR	TIME	FILE	SAMPLE	CASING	TUBING	TEMP.	
10 AUG		2006	9:36:21		5	50	1084.5	79	
10 AUG		2006	9:36:36		5	51	1084.4	79	
10 AUG		2006	9:36:50		5	52	1084.1	81	
10 AUG		2006	9:37:03		5	53	1084	81	
10 AUG		2006	9:37:17		5	54	1083.9	81	
10 AUG		2006	9:37:31		5	55	1083.8	81	
10 AUG		2006	9:37:45		5	56	1083.7	81	
10 AUG		2006	9:37:59		5	57	1083.6	81	
10 AUG		2006	9:38:13		5	58	1083.5	81	
10 AUG		2006	9:38:27		5	59	1083.4	81	
10 AUG		2006	9:38:41		5	60	1083.3	81	
10 AUG		2006	9:38:55		5	61	1083.2	81	
10 AUG		2006	9:39:09		5	62	1083.1	81	
10 AUG		2006	9:39:23		5	63	1083	81	
10 AUG		2006	9:39:37		5	64	1082.9	81	
10 AUG		2006	9:39:51		5	65	1082.8	81	
10 AUG		2006	9:40:05		5	66	1082.7	81	
10 AUG		2006	9:40:19		5	67	1082.6	0 81	
10 AUG		2006	9:40:33		5	68	1082.6	81	
10 AUG		2006	9:40:48		5	69	1082.4	81	
10 AUG		2006	9:41:02		5	70	1082.4	81	
10 AUG		2006	9:41:15		5	71	1082.3	81	
10 AUG		2006	9:41:29		5	72	1082.2	81	
10 AUG		2006	9:41:43		5	73	1082.1	81	
10 AUG		2006	9:41:57		5	74	1082.1	81	
10 AUG		2006	9:42:11		5	75	1082	81	
10 AUG		2006	9:42:25		5	76	1081.9	81	
10 AUG		2006	9:42:39		5	77	1081.8	81	
10 AUG		2006	9:42:53		5	78	1081.7	81	
10 AUG		2006	9:43:07		5	79	1081.7	81	
10 AUG		2006	9:43:21		5	80	1081.6	81	
10 AUG		2006	9:43:35		5	81	1081.5	81	
10 AUG		2006	9:43:49		5	82	1081.5	81	
10 AUG		2006	9:44:03		5	83	1081.3	81	
10 AUG		2006	9:44:17		5	84	1081.3	81	
10 AUG		2006	9:44:31		5	85	1081.2	81	
10 AUG		2006	9:44:46		5	86	1081.1	81	
10 AUG		2006	9:45:00		5	87	1081	82	
10 AUG		2006	9:45:13		5	88	1080.9	0 82	
10 AUG		2006	9:45:27		5	89	1080.8	82	
10 AUG		2006	9:45:41		5	90	1080.7	82	
10 AUG		2006	9:45:55		5	91	1080.7	82	
10 AUG		2006	9:46:09		5	92	1080.7	82	
10 AUG		2006	9:46:23		5	93	1080.6	82	
10 AUG		2006	9:46:37		5	94	1080.5	82	
10 AUG		2006	9:46:51		5	95	1080.5	82	
10 AUG		2006	9:47:05		5	96	1080.4	82	
10 AUG		2006	9:47:19		5	97	1080.3	82	
10 AUG		2006	9:47:33		5	98	1080.3	82	

3000 PSIG		2404-1	29 MAR		6		PSIG	PSIG	AMBIENT
DATE	MONTH	YEAR	TIME	FILE	SAMPLE	CASING	TUBING	TEMP.	
10	AUG	2006	9:47:47		5	99	1080.2	82	
10	AUG	2006	9:48:01		5	100	1080.2	82	
10	AUG	2006	9:48:15		5	101	1080.1	82	
10	AUG	2006	9:48:29		5	102	1080	82	
10	AUG	2006	9:48:44		5	103	1080	82	
10	AUG	2006	9:48:58		5	104	1079.9	82	
10	AUG	2006	9:49:11		5	105	1079.9	82	
10	AUG	2006	9:49:25		5	106	1079.8	82	
10	AUG	2006	9:49:39		5	107	1079.7	82	
10	AUG	2006	9:49:53		5	108	1079.7	82	
10	AUG	2006	9:50:07		5	109	1079.6	82	
10	AUG	2006	9:50:21		5	110	1079.6	0 82	
10	AUG	2006	9:50:35		5	111	1079.5	82	
10	AUG	2006	9:50:49		5	112	1079.4	82	
10	AUG	2006	9:51:03		5	113	1079.4	82	
10	AUG	2006	9:51:17		5	114	1079.3	82	
10	AUG	2006	9:51:31		5	115	1079.3	82	
10	AUG	2006	9:51:45		5	116	1079.2	82	
10	AUG	2006	9:51:59		5	117	1079.2	82	
10	AUG	2006	9:52:13		5	118	1079.1	82	
10	AUG	2006	9:52:27		5	119	1079.1	82	
10	AUG	2006	9:52:42		5	120	1079	82	
10	AUG	2006	9:52:56		5	121	1079	82	
10	AUG	2006	9:53:09		5	122	1078.9	82	
10	AUG	2006	9:53:23		5	123	1078.9	82	
10	AUG	2006	9:53:37		5	124	1078.8	82	
10	AUG	2006	9:53:51		5	125	1078.6	84	
10	AUG	2006	9:54:05		5	126	1078.6	84	
10	AUG	2006	9:54:19		5	127	1078.5	84	
10	AUG	2006	9:54:33		5	128	1078.5	84	
10	AUG	2006	9:54:47		5	129	1078.5	84	
10	AUG	2006	9:55:01		5	130	1078.4	84	
10	AUG	2006	9:55:15		5	131	1078.3	0 84	
10	AUG	2006	9:55:29		5	132	1078.3	84	
10	AUG	2006	9:55:43		5	133	1078.3	84	
10	AUG	2006	9:55:57		5	134	1078.2	84	
10	AUG	2006	9:56:11		5	135	1078.2	84	
10	AUG	2006	9:56:25		5	136	1078.1	84	
10	AUG	2006	9:56:40		5	137	1078.1	84	
10	AUG	2006	9:56:54		5	138	1078	84	
10	AUG	2006	9:57:07		5	139	1078	84	
10	AUG	2006	9:57:21		5	140	1077.9	84	
10	AUG	2006	9:57:35		5	141	1077.9	84	
10	AUG	2006	9:57:49		5	142	1077.8	84	
10	AUG	2006	9:58:03		5	143	1077.8	84	
10	AUG	2006	9:58:17		5	144	1077.7	84	
10	AUG	2006	9:58:31		5	145	1077.7	84	
10	AUG	2006	9:58:45		5	146	1077.7	84	
10	AUG	2006	9:58:59		5	147	1077.6	84	

3000 PSIG		2404-1	29 MAR		6		PSIG CASING	PSIG TUBING	AMBIENT TEMP.
DATE	MONTH	YEAR	TIME	FILE	SAMPLE				
10 AUG		2006	9:59:13	5	148	1077.6		84	
10 AUG		2006	9:59:27	5	149	1077.5		84	
10 AUG		2006	9:59:41	5	150	1077.5		84	
10 AUG		2006	9:59:55	5	151	1077.4		84	
10 AUG		2006	10:00:09	5	152	1077.4	0	84	
10 AUG		2006	10:00:23	5	153	1077.4		84	
10 AUG		2006	10:00:38	5	154	1077.3		84	
10 AUG		2006	10:00:52	5	155	1077.3		84	
10 AUG		2006	10:01:05	5	156	1077.2		84	
10 AUG		2006	10:01:19	5	157	1077.2		84	
10 AUG		2006	10:01:33	5	158	1062.6		84	
10 AUG		2006	10:01:47	5	159	975.9		86	
10 AUG		2006	10:02:01	5	160	785.3		86	
10 AUG		2006	10:02:15	5	161	572.9		86	
10 AUG		2006	10:02:29	5	162	285.27		86	
10 AUG		2006	10:02:43	5	163	0		86	
10 AUG		2006	10:02:57	5	164	0		86	
10 AUG		2006	10:03:11	5	165	0		86	
10 AUG		2006	10:03:25	5	166	0		86	
10 AUG		2006	10:03:39	5	167	0		86	
10 AUG		2006	10:03:53	5	168	0		86	
10 AUG		2006	10:04:07	5	169	0		86	



**Division of Oil, Gas and Mining**  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
1. DJJ
2. CDW

Change of Operator (Well Sold)

**X - Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective:

**1/1/2007**

<b>FROM:</b> (Old Operator): N2460-QEP Uinta Basin, Inc. 1050 17th St, Suite 500 Denver, CO 80265  Phone: 1 (303) 672-6900	<b>TO:</b> ( New Operator): N5085-Questar E&P Company 1050 17th St, Suite 500 Denver, CO 80265  Phone: 1 (303) 672-6900
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CA No.		Unit:		RED WASH UNIT				
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LISTS				*				

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/31/2005
- Is the new operator registered in the State of Utah:                      Business Number: 764611-0143
- (R649-9-2) Waste Management Plan has been received on:                      IN PLACE
- Inspections of LA PA state/fee well sites complete on:                      n/a
- Reports current for Production/Disposition & Sundries on:                      n/a
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on:                      BLM 4/23/2007 BIA
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on:                      4/23/2007
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on:
- Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 4/30/2007 and 5/15/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 4/30/2007 and 5/15/2007
- Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
- Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
- Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on:                      n/a

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number:                      ESB000024
- Indian well(s) covered by Bond Number:                      799446
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number                      965003033
- The **FORMER** operator has requested a release of liability from their bond on:                      n/a

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:                      n/a

**COMMENTS: THIS IS A COMPANY NAME CHANGE.**

**SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED**

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 1 (41-26B)	RW 41-26B	NENE	26	070S	230E	4304715135	5670	Federal	OW	TA
RWU 3 (34-23B)	RW 34-23B	SWSE	23	070S	230E	4304715136	5670	Federal	OW	P
RWU 4 (41-22B)	RW 41-22B	NENE	22	070S	230E	4304715137	5670	Federal	OW	TA
RWU 5 (41-23B)	RW 41-23B	NENE	23	070S	230E	4304715138	5670	Federal	OW	P
RWU 8 (32-22B)	RW 32-22B	SWNE	22	070S	230E	4304715139	5670	Federal	OW	P
RWU 9 (43-23B)	RW 43-23B	NESE	23	070S	230E	4304715140	5670	Federal	OW	P
RWU 10 (12-23B)	RW 12-23B	SWNW	23	070S	230E	4304715141	5670	Federal	OW	TA
RWU 11	RW 34-27B	SWSE	27	070S	230E	4304715142	99996	Federal	WI	A
RWU 13 (14-22B)	RW 14-22B	SWSW	22	070S	230E	4304715143	5670	Federal	OW	TA
RW 14-13B	RW 14-13B	SWSW	13	070S	230E	4304715144	99996	Federal	WI	A
RWU 15 (32-17C)	RW 32-17C	SWNE	17	070S	240E	4304715145	5670	Federal	OW	P
RWU 17 (41-20B)	RW 41-20B	NENE	20	070S	230E	4304715146	5670	Federal	WI	A
RWU 19 (34-26B)	RW 34-26B	SWSE	26	070S	230E	4304715148	5670	Federal	GW	S
RWU 21 (32-14B)	RW 32-14B	SWNE	14	070S	230E	4304715150	5670	Federal	OW	P
RWU 23 (21-23B)	RW 21-23B	SENE	23	070S	230E	4304715151	99996	Federal	WI	A
RWU 24 (34-14B)	RW 34-14B	SWSE	14	070S	230E	4304715152	5670	Federal	OW	S
RWU 26 (23-22B)	RW 23-22B	NESW	22	070S	230E	4304715153	5670	Federal	OW	TA
RWU 27 (43-14B)	RW 43-14B	NESE	14	070S	230E	4304715154	5670	Federal	OW	TA
RWU 28 (43-22B)	RW 43-22B	NESE	22	070S	230E	4304715155	5670	Federal	OW	P
RWU 29 (32-23B)	RW 32-23B	SWNE	23	070S	230E	4304715156	5670	Federal	OW	P
RW 23-13B	RW 23-13B	NESW	13	070S	230E	4304715157	5670	Federal	GW	TA
RWU 31 (34-22B)	RW 34-22B	SWSE	22	070S	230E	4304715158	5670	Federal	OW	P
RWU 33 (14-14B)	RW 14-14B	SWSW	14	070S	230E	4304715160	5670	Federal	GW	TA
RWU 34 (23-14B)	RW 23-14B	NESW	14	070S	230E	4304715161	99996	Federal	WI	A
RW 43-13B	RW 43-13B	NESE	13	070S	230E	4304715162	5670	Federal	OW	TA
RWU 36 (32-13B)	RW 32-13B	SWNE	13	070S	230E	4304715163	5670	Federal	GW	P
RWU 38 (14-23B)	RW 14-23B	SWSW	23	070S	230E	4304715165	5670	Federal	OW	P
RWU 39 (14-24A)	RW 14-24A	SWSW	24	070S	220E	4304715166	5670	Federal	OW	TA
RWU 40 (21-24B)	RW 21-24B	NENW	24	070S	230E	4304715167	5670	Federal	OW	TA
RWU 41 (34-13B)	RW 34-13B	SWSE	13	070S	230E	4304715168	5670	Federal	OW	P
RWU 42 (21-29C)	RW 21-29C	NENW	29	070S	240E	4304715169	5670	Federal	GW	P
RWU 43 (12-17B)	RW 12-17B	SWNW	17	070S	230E	4304715170	5670	Federal	OW	P
RWU 44 (32-33C)	RW 32-33C	SWNE	33	070S	240E	4304715171	5670	Federal	GW	P
RWU 45 (23-30B)	RW 23-30B	NESW	30	070S	230E	4304715172	5670	Federal	OW	TA
RWU 46 (41-21C)	RW 41-21C	NENE	21	070S	240E	4304715173	5670	Federal	GW	TA
RWU 48 (32-19B)	RW 32-19B	SWNE	19	070S	230E	4304715174	99996	Federal	WI	I
RWU 49 (12-29B)	RW 12-29B	SWNW	29	070S	230E	4304715175	5670	Federal	OW	TA
RWU 50 (14-23A)	RW 14-23A	SWSW	23	070S	220E	4304715176	5670	Federal	OW	P
RWU 52 (14-18B)	RW 14-18B	SWSW	18	070S	230E	4304715178	5670	Federal	OW	TA
RWU 53 (41-25A)	RW 41-25A	NENE	25	070S	220E	4304715179	5670	Federal	OW	TA
RWU 56 (41-28B)	RW 41-28B	NENE	28	070S	230E	4304715182	99996	Federal	WI	A

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 57 (12-18C)	RW 12-18C	SWNW	18	070S	240E	4304715183	5670	Federal	OW	P
RWU 63 (21-22B)	RW 21-22B	NENW	22	070S	230E	4304715186	5670	Federal	GW	TA
RWU 64 (32-27B)	RW 32-27B	SWNE	27	070S	230E	4304715187	5670	Federal	OW	TA
RWU 66 (34-18B)	RW 34-18B	SWSE	18	070S	230E	4304715189	5670	Federal	OW	P
RWU 67 (42-22B)	RW 42-22B	SENE	22	070S	230E	4304715190	5670	Federal	OW	TA
RWU 69 (21-27B)	RW 21-27B	NENW	27	070S	230E	4304715191	5670	Federal	OW	TA
RWU 70 (23-22A)	RW 23-22A	NESW	22	070S	220E	4304715192	5670	Federal	OW	P
RWU 71 (21-18C)	RW 21-18C	NENW	18	070S	240E	4304715193	5670	Federal	OW	P
RWU 72 (23-27B)	RW 23-27B	NESW	27	070S	230E	4304715194	5670	Federal	OW	TA
RWU 74 (12-13B)	RW 12-13B	SWNW	13	070S	230E	4304715196	5670	Federal	GW	S
RWU 75 (21-26B)	RW 21-26B	NENW	26	070S	230E	4304715197	5670	Federal	OW	TA
RWU 76 (32-18C)	RW 32-18C	SWNE	18	070S	240E	4304715198	5670	Federal	GW	P
RWU 77 (21-13B)	RWU 77 (21-13B)	NENW	13	070S	230E	4304715199	5670	Federal	OW	P
RWU 78 (32-28B)	RW 32-28B	SWNE	28	070S	230E	4304715200	5670	Federal	OW	P
RWU 79 (12-27B)	RW 12-27B	SWNW	27	070S	230E	4304715201	5670	Federal	OW	TA
RWU 80 (14-27B)	RW 14-27B	SWSW	27	070S	230E	4304715202	5670	Federal	OW	S
RWU 81 (41-31B)	RW 41-31B	NENE	31	070S	230E	4304715203	5670	Federal	OW	P
RWU 83 (41-27A)	RW 41-27A	NENE	27	070S	220E	4304715205	5670	Federal	OW	P
RWU 84 (44-14B)	RW 44-14B	SESE	14	070S	230E	4304715206	5670	Federal	GW	P
RWU 88 (23-18B)	RW 23-18B	NESW	18	070S	230E	4304715210	5670	Federal	WI	A
RWU 90 (43-21B)	RW 43-21B	NESE	21	070S	230E	4304715211	5670	Federal	OW	P
RWU 92 (11-23B)	RW 11-23B	NWNW	23	070S	230E	4304715212	5670	Federal	OW	TA
RWU 94 (12-22A)	RW 12-22A	SWNW	22	070S	220E	4304715213	5670	Federal	OW	P
RWU 23-18C (97)	RW 23-18C	NESW	18	070S	240E	4304715216	99996	Federal	WI	I
RWU 99 (12-22B)	RW 12-22B	SWNW	22	070S	230E	4304715218	5670	Federal	OW	P
RWU 100-A (43-21A)	RW 43-21A	NESE	21	070S	220E	4304715219	5670	Federal	WI	A
RWU 101 (34-21B)	RW 34-21B	SWSE	21	070S	230E	4304715220	5670	Federal	OW	P
RWU 102 (41-24A)	RW 41-24A	SENE	24	070S	220E	4304715221	5670	Federal	WI	A
RWU 103 (34-15B)	RW 34-15B	SWSE	15	070S	230E	4304715222	5670	Federal	OW	P
RWU 108 (32-21B)	RW 32-21B	SWNE	21	070S	230E	4304715226	5670	Federal	OW	P
RWU 109 (21-28B)	RW 21-28B	NENW	28	070S	230E	4304715227	5670	Federal	OW	P
RWU 110 (23-23A)	RW 23-23A	NESW	23	070S	220E	4304715228	5670	Federal	OW	P
RWU 111 (32-24A)	RW 32-24A	SWNE	24	070S	220E	4304715229	5670	Federal	OW	S
RWU 112 (32-28A)	RW 32-28A	SWNE	28	070S	220E	4304715230	5670	Federal	OW	S
RWU 115 (21-19B)	RW 21-19B	NENW	19	070S	230E	4304715233	5670	Federal	OW	P
RWU 119 (43-29A)	RW 43-29A	NESE	29	070S	220E	4304715236	5670	Federal	OW	P
RWU 120 (23-28B)	RW 23-28B	NESW	28	070S	230E	4304715237	5670	Federal	OW	TA
RW 13-13B	RW 13-13B	NWSW	13	070S	230E	4304715238	5670	Federal	GW	P
RWU 122 (24-14B)	RW 24-14B	SESW	14	070S	230E	4304715239	5670	Federal	OW	P
RWU 125 (34-19B)	RW 34-19B	SWSE	19	070S	230E	4304715242	5670	Federal	OW	TA
RWU 126 (41-29A)	RW 41-29A	NENE	29	070S	220E	4304715243	5670	Federal	OW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 127 (12-19B)	RW 12-19B	SWNW	19	070S	230E	4304715244	5670	Federal	OW	S
RWU 129 (14-15B)	RW 14-15B	SWSW	15	070S	230E	4304715246	5670	Federal	OW	P
RWU 133 (41-34B)	RW 41-34B	NENE	34	070S	230E	4304715250	5670	Federal	OW	P
RWU 136 (43-19B)	RW 43-19B	NESE	19	070S	230E	4304715252	5670	Federal	OW	TA
RWU 137 (34-28B)	RW 34-28B	SWSE	28	070S	230E	4304715253	5670	Federal	GW	TA
RWU 138 (41-30B)	RW 41-30B	NENE	30	070S	230E	4304715254	5670	Federal	OW	P
RWU 140 (24-22B)	RW 24-22B	SESW	22	070S	230E	4304715255	5670	Federal	OW	P
RWU 141 (11-27B)	RW 11-27B	NWNW	27	070S	230E	4304715256	5670	Federal	OW	TA
RWU 143 (33-14B)	RW 33-14B	NWSE	14	070S	230E	4304715257	5670	Federal	OW	P
RWU 144 (21-18B)	RW 21-18B	NENW	18	070S	230E	4304715258	5670	Federal	OW	TA
RW 24-13B	RW 24-13B	SESW	13	070S	230E	4304715259	5670	Federal	OW	TA
RWU 147 (22-22B)	RW 22-22B	SESW	22	070S	230E	4304715260	5670	Federal	OW	TA
RWU 148 (13-22B)	RW 13-22B	NWSW	22	070S	230E	4304715261	99996	Federal	WI	A
RWU 150 (31-22B)	RW 31-22B	NWNE	22	070S	230E	4304715263	99996	Federal	WI	I
RWU 151 (42-14B)	RW 42-14B	SENE	14	070S	230E	4304715264	5670	Federal	OW	P
RWU 153 (14-29B)	RW 14-29B	SWSW	29	070S	230E	4304715265	5670	Federal	OW	P
RWU 156 (23-15B)	RW 23-15B	NESW	15	070S	230E	4304715267	99990	Federal	WI	A
RWU 158 (32-30B)	RW 32-30B	SWNE	30	070S	230E	4304715268	5670	Federal	OW	P
RWU 160 (32-15B)	RW 32-15B	SWNE	15	070S	230E	4304715270	5670	Federal	OW	P
RWU 161 (14-20B)	RW 14-20B	SWSW	20	070S	230E	4304715271	99996	Federal	WI	I
RWU 162 (12-20B)	RW 12-20B	SWNW	20	070S	230E	4304715272	5670	Federal	OW	P
RWU 164 (12-28B)	RW 12-28B	SWNW	28	070S	230E	4304715274	5670	Federal	OW	P
RWU 165 (32-26B)	RW 32-26B	SWNE	26	070S	230E	4304715275	5670	Federal	GW	TA
RWU 167 (23-21B)	RW 23-21B	NESW	21	070S	230E	4304715277	5670	Federal	OW	S
RWU 168 (23-24B)	RW 23-24B	NESW	24	070S	230E	4304715278	5670	Federal	OW	TA
RWU 172 (21-30B)	RW 21-30B	NENW	30	070S	230E	4304715280	5670	Federal	OW	TA
RWU 174 (21-20B)	RW 21-20B	NENW	20	070S	230E	4304715281	5670	Federal	WI	A
RWU 176 (31-28B)	RW 31-28B	NWNE	28	070S	230E	4304715283	5670	Federal	OW	TA
RWU 177 (42-28B)	RW 42-28B	SENE	28	070S	230E	4304715284	5670	Federal	OW	TA
RW 22-13B	RW 22-13B	SESW	13	070S	230E	4304715285	5670	Federal	OW	TA
RWU 180 (31-23B)	RW 31-23B	NWNE	23	070S	230E	4304715287	5670	Federal	OW	TA
RWU 181 (34-30B)	RW 34-30B	SWSE	30	070S	230E	4304715288	5670	Federal	OW	P
RW 33-13B	RW 33-13B	NWSE	13	070S	230E	4304715289	5670	Federal	WI	A
RWU 184 (23-26B)	RW 23-26B	NESW	26	070S	230E	4304715290	5670	Federal	GW	S
RWU 188 (23-20B)	RW 23-20B	NESW	20	070S	230E	4304715291	5670	Federal	OW	TA
RWU 192 (41-33A)	RW 41-33A	NENE	33	070S	220E	4304715294	5670	Federal	OW	P
RWU 193 (43-24B)	RW 43-24B	NESE	24	070S	230E	4304715295	5670	Federal	GW	TA
RWU 194 (12-14B)	RW 12-14B	SWNW	14	070S	230E	4304715296	5670	Federal	OW	S
RWU 196 (23-17C)	RW 23-17C	NESW	17	070S	240E	4304715298	5670	Federal	GW	TA
RWU 199 (43-22A)	RW 43-22A	NESE	22	070S	220E	4304715301	99996	Federal	WI	A
RWU 201 (32-28C)	RW 32-28C	SWNE	28	070S	240E	4304715302	5670	Federal	GW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 202 (21-34A)	RW 21-34A	NENW	34	070S	220E	4304715303	99996	Federal	WI	I
RWU 204 (23-25A)	RW 23-25A	NESW	25	070S	220E	4304715305	5670	Federal	OW	P
RWU 205 (23-21C)	RW 23-21C	NESW	21	070S	240E	4304715306	5670	Federal	GW	TA
RWU 2 (14-24B)	RW 14-24B	SWSW	24	070S	230E	4304716472	99996	Federal	WI	A
RWU 7 (41-27B)	RW 41-27B	NENE	27	070S	230E	4304716473	99996	Federal	WI	I
RWU 16 (43-28B)	RW 43-28B	NESE	28	070S	230E	4304716475	99996	Federal	WI	I
RWU 25 (23-23B)	RW 23-23B	NESW	23	070S	230E	4304716476	99996	Federal	WI	A
RWU 59 (12-24B)	RW 12-24B	SWNW	24	070S	230E	4304716477	99996	Federal	WI	A
RWU 61 (12-27A)	RW 12-27A	SWNW	27	070S	220E	4304716478	99996	Federal	WI	I
RWU 91 (33-22B)	RW 33-22B	NWSE	22	070S	230E	4304716479	99996	Federal	WI	A
RWU 93 (43-27B)	RW 43-27B	NESE	27	070S	230E	4304716480	99996	Federal	WI	I
RWU 6 (41-21B)	RW 41-21B	NENE	21	070S	230E	4304716482	99996	Federal	WI	A
RWU 68 (41-13B)	RW 41-13B	NENE	13	070S	230E	4304716485	99996	Federal	WI	I
RWU 170 (41-15B)	RW 41-15B	NENE	15	070S	230E	4304716495	99996	Federal	WI	I
RWU 173 (21-21B)	RW 21-21B	NENW	21	070S	230E	4304716496	99996	Federal	WI	A
RWU 182 (14-21B)	RW 14-21B	SWSW	21	070S	230E	4304716497	99996	Federal	WI	A
RWU 185 (41-1B)	RW 41-14B	NENE	14	070S	230E	4304716498	99996	Federal	WI	A
RWU 212 (41-8F)	RW 41-8F	NENE	08	080S	240E	4304720014	5670	Federal	GW	P
RWU 213 (41-33B)	RW 41-33B	NENE	33	070S	230E	4304720060	99996	Federal	WD	A
RWU 215 (43-28A)	RW 43-28A	NESE	28	070S	220E	4304730058	99996	Federal	WD	A
RWU 216 (21-27A)	RW 21-27A	NENW	27	070S	220E	4304730103	99996	Federal	WI	A
RWU 219 (44-21C)	RW 44-21C	SESE	21	070S	240E	4304730149	5670	Federal	GW	S
RWU 220 (22-23B)	RW 22-23B	SENW	23	070S	230E	4304730192	5670	Federal	OW	TA
RWU 221 (13-27B)	RW 13-27B	NWSW	27	070S	230E	4304730199	5670	Federal	OW	TA
RWU 222 (31-27B)	RW 31-27B	NWNE	27	070S	230E	4304730200	5670	Federal	GW	TA
RWU 224 (44-22B)	RW 44-22B	SESE	22	070S	230E	4304730202	5670	Federal	GW	TA
RWU 225 (13-23B)	RW 13-23B	NWSW	23	070S	230E	4304730212	5670	Federal	GW	TA
RWU 226 (24-23B)	RW 24-23B	SESW	23	070S	230E	4304730249	5670	Federal	GW	S
RWU 227 (14-26B)	RW 14-26B	SWSW	26	070S	230E	4304730257	5670	Federal	OW	TA
RWU 228 (21-34B)	RW 21-34B	NENW	34	070S	230E	4304730258	5670	Federal	OW	P
RWU 229 (43-26B)	RW 43-26B	NESE	26	070S	230E	4304730259	5670	Federal	OW	TA
RWU 230 (14-18C)	RW 14-18C	SWSW	18	070S	240E	4304730309	5670	Federal	OW	P
RWU 231 (21-35B)	RW 21-35B	NENW	35	070S	230E	4304730310	5670	Federal	OW	TA
RWU 232 (12-26B)	RW 12-26B	SWNW	26	070S	230E	4304730311	5670	Federal	OW	TA
RWU 233 (12-25B)	RW 12-25B	SWNW	25	070S	230E	4304730312	5670	Federal	OW	TA
RWU 234 (32-24B)	RW 32-24B	SWNE	24	070S	230E	4304730313	5670	Federal	OW	P
RWU 235 (34-18C)	RW 34-18C	SWSE	18	070S	240E	4304730314	5670	Federal	OW	S
RWU 236 (21-19C)	RW 21-19C	NENW	19	070S	240E	4304730340	5670	Federal	GW	P
RWU 237 (14-25B)	RW 14-25B	SWSW	25	070S	230E	4304730341	5670	Federal	OW	P
RWU 238 (32-35B)	RW 32-35B	SWNE	35	070S	230E	4304730342	5670	Federal	OW	TA
RWU 239 (41-35B)	RW 41-35B	NENE	35	070S	230E	4304730343	5670	Federal	OW	TA

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 240 (12-36B)	RW 12-36B	SWNW	36	070S	230E	4304730344	5670	Federal	OW	S
RWU 241 (22-14B)	RW 22-14B	SENW	14	070S	230E	4304730345	5670	Federal	OW	P
RW 42-13B	RW 42-13B	SENE	13	070S	230E	4304730346	5670	Federal	OW	P
RWU 243 (42-18C)	RW 42-18C	SENE	18	070S	240E	4304730347	5670	Federal	OW	TA
RWU 244 (23-19C)	RW 23-19C	NESW	19	070S	240E	4304730348	5670	Federal	GW	P
RWU 246 (22-18C)	RW 22-18C	SENW	18	070S	240E	4304730387	5670	Federal	OW	P
RWU 247 (22-17C)	RW 22-17C	SENW	17	070S	240E	4304730388	5670	Federal	GW	P
RWU 258 (34-22A)	RW 34-22A	SWSE	22	070S	220E	4304730458	5670	Federal	WI	A
RWU 262 (22-26B)	RW 22-26B	SENW	26	070S	230E	4304730517	5670	Federal	GW	TA
RWU 263 (24-26B)	RW 24-26B	SESW	26	070S	230E	4304730518	99996	Federal	WI	I
RWU 264 (31-35B)	RW 31-35B	NWNE	35	070S	230E	4304730519	99996	Federal	WI	A
RWU 265 (44-26B)	RW 44-26B	SESE	26	070S	230E	4304730520	5670	Federal	GW	P
RWU 266 (33-26B)	RW 33-26B	NWSE	26	070S	230E	4304730521	99996	Federal	WI	I
RWU 269 (13-26B)	RW 13-26B	NWSW	26	070S	230E	4304730522	99996	Federal	WI	A
RWU 273 (42-27B)	RW 42-27B	SENE	27	070S	230E	4304731051	5670	Federal	OW	TA
RWU 279 (11-36B)	RW 11-36B	NWNW	36	070S	230E	4304731052	99996	Federal	WI	A
RWU 276 (44-27B)	RW 44-27B	SESE	27	070S	230E	4304731053	5670	Federal	OW	TA
RWU 272 (44-23B)	RW 44-23B	SESE	23	070S	230E	4304731054	5670	Federal	GW	P
RWU 278 (11-26)	RW 11-26	NWNW	26	070S	230E	4304731076	5670	Federal	GW	TA
RWU 275 (31-26B)	RW 31-26B	NWNE	26	070S	230E	4304731077	99996	Federal	WI	A
RWU 280 (11-35B)	RW 11-35B	NWNW	35	070S	230E	4304731079	5670	Federal	OW	P
RWU 282 (42-26B)	RW 42-26B	SENE	26	070S	230E	4304731080	5670	Federal	GW	TA
RWU 271 (42-35B)	RW 42-35B	SENE	35	070S	230E	4304731081	5670	Federal	WI	I
RWU 270 (22-35B)	RW 22-35B	SENW	35	070S	230E	4304731082	5670	Federal	OW	P
RWU 284 (33-23B)	RW 33-23B	NWSE	23	070S	230E	4304731476	5670	Federal	GW	TA
RWU 285 (11-24B)	RW 11-24B	NWNW	24	070S	230E	4304731477	5670	Federal	OW	P
RWU 286 (42-21B)	RW 42-21B	SENE	21	070S	230E	4304731478	5670	Federal	OW	P
RW 44-13B	RW 44-13B	SESE	13	070S	230E	4304731512	5670	Federal	OW	TA
RWU 288 (24-27)	RW 24-27	SESW	27	070S	230E	4304731513	5670	Federal	OW	TA
RWU 289 (13-24B)	RW 13-24B	NWSW	24	070S	230E	4304731517	5670	Federal	OW	P
RWU 292 (42-23B)	RW 42-23B	SENE	23	070S	230E	4304731576	5670	Federal	GW	TA
RWU 295 (11-22B)	RW 11-22B	NWNW	22	070S	230E	4304731577	5670	Federal	GW	TA
RWU 296 (12-35B)	RW 12-35B	SWNW	35	070S	230E	4304731578	5670	Federal	OW	S
RWU 297 (24-15B)	RW 24-15B	SESW	15	070S	230E	4304731579	5670	Federal	OW	P
RWU 293 (22-22A)	RW 22-22A	SENW	22	070S	220E	4304731581	5670	Federal	OW	TA
RWU 294 (24-18C)	RW 24-18C	SESW	18	070S	240E	4304731582	5670	Federal	GW	P
RWU 298 (22-27B)	RW 22-27B	SENW	27	070S	230E	4304731679	5670	Federal	OW	TA
RWU 301 (43-15B)	RW 43-15B	NESE	15	070S	230E	4304731682	5670	Federal	GW	TA
RWU 302 (22-24B)	RW 22-24B	SENW	24	070S	230E	4304731683	5670	Federal	GW	TA
RWU 303 (34-17B)	RW 34-17B	SWSE	17	070S	230E	4304731819	5670	Federal	OW	P
RED WASH 305 (41-4F)	RW 41-4F	C-NE	04	080S	240E	4304732538	5670	Federal	GW	TA

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RED WASH 306	RW 23-23C	NESW	23	070S	240E	4304732629	5670	Federal	GW	P
RWU 207	RW 14-17B	SWSW	17	070S	230E	4304732738	5670	Federal	OW	P
RED WASH UNIT 261	RW 23-17B	NESW	17	070S	230E	4304732739	5670	Federal	WI	A
RWU 268 (43-17B)	RW 43-17B	NESE	17	070S	230E	4304732980	5670	Federal	WI	A
RWU 267 (32-17B)	RW 32-17B	SWNE	17	070S	230E	4304732981	5670	Federal	OW	P
RWU 283 (43-18B)	RW 43-18B	NESE	18	070S	230E	4304732982	5670	Federal	WI	A
RWU 299 (32-18B)	RW 32-18B	SWNE	18	070S	230E	4304733018	5670	Federal	OW	P
RWU 42-20B	RW 42-20B	SENE	20	070S	230E	4304733490	5670	Federal	OW	P
RWU 22-20B	RW 22-20B	SENE	20	070S	230E	4304733491	5670	Federal	OW	S
RWU 24-19B	RW 24-19B	SESW	19	070S	230E	4304733492	5670	Federal	OW	P
RWU 13-19B	RW 13-19B	NWSW	19	070S	230E	4304733497	5670	Federal	WI	A
RWU 13-20B	RW 13-20B	NWSW	20	070S	230E	4304733498	5670	Federal	WI	A
RWU 33-19B	RW 33-19B	NWSE	19	070S	230E	4304733499	5670	Federal	WI	A
RWU 33-20B	RW 33-20B	NWSE	20	070S	230E	4304733500	5670	Federal	WI	A
RED WASH 22-21B	RW 22-21B	SENE	21	070S	230E	4304733522	5670	Federal	OW	S
RED WASH 24-20B	RW 24-20B	SESW	20	070S	230E	4304733523	5670	Federal	OW	P
RED WASH 44-19B	RW 44-19B	SESE	19	070S	230E	4304733524	5670	Federal	OW	P
RED WASH 44-20B	RW 44-20B	SESE	20	070S	230E	4304733525	5670	Federal	OW	P
RWU 11-19B	RW 11-19B	NWNW	19	070S	230E	4304733552	5670	Federal	WI	A
RWU 11-20B	RW 11-20B	NWNW	20	070S	230E	4304733553	5670	Federal	WI	A
RWU 24-18B	RW 24-18B	SESW	18	070S	230E	4304733554	5670	Federal	OW	P
RWU 31-19B	RW 31-19B	NWNE	19	070S	230E	4304733555	5670	Federal	WI	A
RWU 42-19B	RW 42-19B	SENE	19	070S	230E	4304733556	5670	Federal	OW	P
RWU 22-19B	RW 22-19B	SENE	19	070S	230E	4304733559	5670	Federal	OW	P
RWU 23-24A	RW 23-24A	NESW	24	070S	220E	4304733567	5670	Federal	OW	P
RWU 34-24A	RW 34-24A	SWSE	24	070S	220E	4304733568	5670	Federal	WI	A
RWU 42-24A	RW 42-24A	SENE	24	070S	220E	4304733569	5670	Federal	OW	S
RWU 11-25A	RW 11-25A	NWNW	25	070S	220E	4304733574	5670	Federal	WI	A
RWU 13-25A	RW 13-25A	NWSW	25	070S	220E	4304733575	5670	Federal	WI	A
RWU 21-25A	RW 21-25A	NENW	25	070S	220E	4304733576	5670	Federal	OW	P
RWU 31-25A	RW 31-25A	NWNE	25	070S	220E	4304733577	5670	Federal	WI	A
RWU 33-25A	RW 33-25A	NWSE	25	070S	220E	4304733578	5670	Federal	WI	A
RW 41-25AX	RW 41-25A	NENE	25	070S	220E	4304733579	5670	Federal	OW	P
RWU 42-25A	RWU 42-25A	SENE	25	070S	220E	4304733580	5670	Federal	OW	TA
RWU 11-29B	RW 11-29B	NWNW	29	070S	230E	4304733590	5670	Federal	WI	A
RWU 12-24A	RW 12-24A	SWNW	24	070S	220E	4304733591	5670	Federal	WI	A
RWU 21-24A	RW 21-24A	NENW	24	070S	220E	4304733592	5670	Federal	OW	P
RWU 34-13A	RW 34-13A	SWSE	13	070S	220E	4304733593	5670	Federal	WI	A
RWU 44-18B	RW 44-18B	SESE	18	070S	230E	4304733594	5670	Federal	OW	P
RW 22-13A	RW 22-13A	SENE	13	070S	220E	4304733765	13296	Federal	OW	S
RWU 22-29B	RW 22-29B	SENE	29	070S	230E	4304733766	5670	Federal	OW	S

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 41-24A	RW 41-24A	NENE	24	070S	220E	4304733769	5670	Federal	OW	P
RWU 42-30B	RW 42-30B	SENE	30	070S	230E	4304733771	5670	Federal	OW	P
RWU 44-30B	RWU 44-30B	SESE	30	070S	230E	4304733772	5670	Federal	OW	P
RWU 11-30B	RW 11-30B	NWNW	30	070S	230E	4304733785	5670	Federal	WI	A
RWU 22-25A	RW 22-25A	SENE	25	070S	220E	4304733786	5670	Federal	OW	P
RWU 31-30B	RW 31-30B	NWNE	30	070S	230E	4304733788	5670	Federal	WI	A
RWU 33-30B	RW 33-30B	NWSE	30	070S	230E	4304733790	5670	Federal	WI	A
RED WASH U 34-27C	RW 34-27C	SWSE	27	070S	240E	4304735045	5670	Federal	GW	P
RWU 34-22C	RW 34-22C	SWSE	22	070S	240E	4304735098	5670	Federal	GW	P
RW 12G-20C	RW 12G-20C	SWNW	20	070S	240E	4304735239	14011	Federal	GW	S
RW 43G-08F	RW 43G-08F	NESE	08	080S	240E	4304735655		Federal	GW	APD
RW 22G-09F	RW 22G-09F	SENE	09	080S	240E	4304735656	15636	Federal	GW	OPS
RWU 34-23AG	RW 34-23AG	SWSE	23	070S	220E	4304735668	5670	Federal	OW	P
RWU 34-27AG	RWU 34-27AD	SWSE	27	070S	220E	4304735669	5670	Federal	OW	DRL
RWU 32-27AG	RWU 32-27AG	SWNE	27	070S	220E	4304735670	5670	Federal	OW	S
RW 14-34AMU	RW 14-34AMU	SWSW	34	070S	220E	4304735671	14277	Federal	GW	P
RW 12-08FG	RW 12-08FG	SWNW	08	080S	240E	4304736348		Federal	GW	APD
RW 44-08FG	RW 44-08FG	SESE	08	080S	240E	4304736349	15261	Federal	GW	P
RW 12-17FG	RW 12-17FG	SWNW	17	080S	240E	4304736350		Federal	GW	APD
RW 34-34 AMU	RW 34-34 AD	SWSE	34	070S	220E	4304736351		Federal	GW	APD
RW 44-35 AMU	RW 44-35 AMU	SESE	35	070S	220E	4304736352		Federal	GW	APD
RW 14-35 AMU	RW 14-35 AMU	SWSW	35	070S	220E	4304736354		Federal	GW	APD
RW 33-31 BMU	RW 33-31 BD	NWSE	31	070S	230E	4304736357		Federal	GW	APD
RW 13-31 BMU	RW 13-31 BD	NWSW	31	070S	230E	4304736358		Federal	GW	APD
RW 32-15FG	RW 32-15FG	SWNE	15	080S	240E	4304736443		Federal	GW	APD
RW 21-26AG	RW 21-26AD	NENW	26	070S	220E	4304736768		Federal	OW	APD
RW 43-26AG	RW 43-26AG	NESE	26	070S	220E	4304736769		Federal	OW	APD
RW 43-23AG	RW 43-23AG	NESE	23	070S	220E	4304736770		Federal	OW	APD
RW 41-26AG	RW 41-26AG	NENE	26	070S	220E	4304736818		Federal	OW	APD
RW 04-25BG	RW 04-25B	NWSW	25	070S	230E	4304736982		Federal	OW	APD
RW 01-25BG	RW 01-25BG	NWNW	25	070S	230E	4304736983		Federal	OW	APD
RW 04-26BG	RW 04-26BG	SESW	26	070S	230E	4304736984		Federal	OW	APD
RW 01-26BG	RW 01-26BG	SWNW	26	070S	230E	4304736985		Federal	OW	APD
RW 01-35BG	RW 01-35BG	SWNW	35	070S	230E	4304736986		Federal	OW	APD

## RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 51 (12-16B)	RW 12-16B	SWNW	16	070S	230E	4304715177	5670	State	OW	P
RWU ST 189 (41-16B)	RW 41-16B	NENE	16	070S	230E	4304715292	5670	State	OW	S
RED WASH UNIT 259	RW 14-16B	SWSW	16	070S	230E	4304732785	5670	State	OW	P
RED WASH UNIT 260	RW 34-16B	SWSE	16	070S	230E	4304732786	5670	State	OW	P
RWU 324 (23-16B)	RW 23-16B	SESW	16	070S	230E	4304733084	5670	State	WI	OPS
RWU 21W-36A	RWU 21W-36A	NENW	36	070S	220E	4304733730		State	GW	LA
RWU 21G-36A	RWU 21G-36A	NENW	36	070S	220E	4304733731		State	OW	LA
RWU 41-36A	RWU 41-36A	NENE	36	070S	220E	4304733732		State	OW	LA
RWU 43-16B	RWU 43-16B	NESE	16	070S	230E	4304733733		State	OW	LA
RWU 21-16B	RWU 21-16B	NENW	16	070S	230E	4304733734		State	OW	LA
RWU 11-36A	RWU 11-36A	NWNW	36	070S	220E	4304733736		State	OW	LA
RWU 13-36A	RWU 13-36A	NWSW	36	070S	220E	4304733737		State	OW	LA
RW 32G-16C	RW 32G-16C	SWNE	16	070S	240E	4304735238	5670	State	GW	P
RW 14-36AMU	RW 14-36AMU	SWSW	36	070S	220E	4304736721		State	GW	APD
RW 01-36BG	RW 01-36BG	NWNW	36	070S	230E	4304736887	5670	State	OW	S
RW 24-16BG	RW 24-16BG	SESW	16	070S	230E	4304737746	5670	State	OW	DRL
RW 12-32BG	RW 12-32BG	SWNW	32	070S	230E	4304737946	15841	State	GW	DRL

**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.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 <small>CITY</small> Denver STATE CO ZIP 80265		7. UNIT or CA AGREEMENT NAME: see attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached		8. WELL NAME and NUMBER: see attached
QTR/GTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: attached
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT:
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 (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

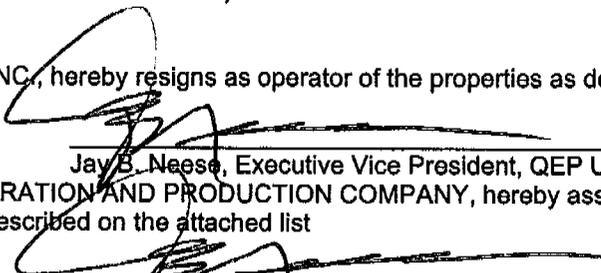
Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024)

Utah State Bond Number: 965003033

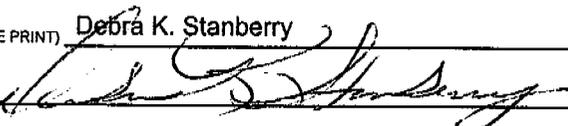
Fee Land Bond Number: 965003033

Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.

  
Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list

  
Jay B. Neese, Executive Vice President  
Questar Exploration and Production Company

NAME (PLEASE PRINT) <u>Debra K. Stanberry</u>	TITLE <u>Supervisor, Regulatory Affairs</u>
SIGNATURE 	DATE <u>3/16/2007</u>

(This space for State use only)

**RECEIVED**  
**APR 19 2007**

**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.

<b>1. TYPE OF WELL</b> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> see attached
<b>2. NAME OF OPERATOR:</b> QUESTAR EXPLORATION AND PRODUCTION COMPANY		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> see attached
<b>3. ADDRESS OF OPERATOR:</b> 1050 17th Street Suite 500 City Denver STATE CO ZIP 80265		<b>7. UNIT or CA AGREEMENT NAME:</b> see attached
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: attached		<b>8. WELL NAME and NUMBER:</b> see attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		<b>9. API NUMBER:</b> attached
COUNTY: Uintah		<b>10. FIELD AND POOL, OR WILDCAT:</b>
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"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Well Name Changes</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	
	<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only) Date of work completion: _____		

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

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) <u>Debra K. Stanberry</u>	TITLE <u>Supervisor, Regulatory Affairs</u>
SIGNATURE	DATE <u>4/17/2007</u>

(This space for State use only)

**RECEIVED**  
**APR 19 2007**  
DIV. OF OIL, GAS & MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



IN REPLY REFER TO  
3180  
UT-922

April 23, 2007

Questar Exploration and Production Company  
1050 17th Street, Suite 500  
Denver, Colorado 80265

Re: Red Wash Unit  
Uintah County, Utah

Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Red Wash Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Red Wash Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble  
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)  
SITLA  
Division of Oil, Gas & Mining  
File - Red Wash Unit (w/enclosure)  
Agr. Sec. Chron  
Reading File  
Central Files

UT922:TAThompson:tt:4/23/07

RECEIVED  
APR 30 2007  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

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

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Lease Serial No. <b>UTU 2030</b>
2. Name of Operator <b>Questar Exploration and Production Inc.</b>		6. If Indian, Allottee or Tribe Name N/A
3a. Address <b>1050 17th Street, Suite 500    Denver, CO 80265</b>	3b. Phone No. (include area code) <b>303 308-3068</b>	7. If Unit or CA/Agreement, Name and/or No. <b>Redwash</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>1980' FNL, 1980' FEL, SWNE, SECTION 19, T7S, R23E, SLBM</b>		8. Well Name and No. <b>RW 32-19B</b>
		9. API Well No. <b>43-047-15174</b>
		10. Field and Pool, or Exploratory Area <b>Redwash</b>
		11. County or Parish, State <b>Utah</b>

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

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

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

Questar requests approval to plug and abandon this well as follows:

1. Set cement retainer at 5550'
2. Stab into retainer and squeeze 35 sx cement, unstab and dump 35 sx of cement on top of retainer
3. Fill hole with minimum 9 ppg fluid.
4. Perforate the production casing @ 3205'
5. Balance plug from 3205' - 3005' inside production casing and in production casing x open hole annulus.
6. Perforate production casing @ 420', cement from 420' to surface in production casing and in production casing x surface casing annulus.
7. Cut off wellhead, install dryhole marker

Work will start after Questar receives BLM, UDOGM and EPA approval.

Please direct all questions regarding paperwork submittal to Debbie Stanberry at (303) 308-3068.  
Please direct all technical questions regarding procedure to Lucius McGillivray at (435) 781-4319.

**AUG 24 2007**

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

Name (Printed/Typed) <b>Debra K. Stanberry</b>	Title <b>Supervisor, Regulatory Affairs</b>
Signature 	Date <b>08/17/2007</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Title <b>Accepted by the Utah Division of Oil, Gas and Mining</b>	Federal Approval Of This Action is Necessary
--	--	--

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.

(Instructions on page 2)

9-6-07  
RM

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: March 31, 2007

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
**UTU 2030**

6. If Indian, Allottee or Tribe Name  
N/A

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

8. Well Name and No.  
RW 32-19B

9. API Well No.  
43-047-15174

10. Field and Pool, or Exploratory Area  
**Redwash**

11. County or Parish, State  
**Uintah**

**SUBMIT IN TRIPLICATE- Other instructions on reverse side.**

1. Type of Well  
 Oil Well     Gas Well     Other **WT**

2. Name of Operator **Questar Exploration and Production Inc.**

3a. Address  
**11002 E. 17500 S. VERNAL, UT 84078-8526**

3b. Phone No. (include area code)  
**435-781-4319**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1980' FNL, 1980' FEL, SWNE, SECTION 19, T7S, R23E, SLBM  
1830**

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

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

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

Questar requests approval to recomplete this well as follows:

RIH with CIBP and set @ 4850' then dump 30 sx on top  
RU wireline and perforate @ 2820' to squeeze cement  
squeeze 110 sacks through perfs between casing and hole  
WOC, run CBL  
RU wireline and perforate 2596'-2602' with 4 JSPF with 90° phasing  
Acidize with 500 gal. of 15% HCL w/ additives, Swab test  
if unproductive, RU wireline and perforate 2610'-24'  
RIH with packer @ 2606', Swab Test  
if unproductive, RU wireline and perforate 2652'-60'  
RIH with packer @ 2645', Swab Test  
The well will be placed on production or plugged and abandoned based on the swab test results.

Work will start after Questar receives BLM and UDOGM approval

**COPY SENT TO OPERATOR**

Date: 1-24-2008

Initials: KS

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Lucius McGillivray lucius.mcgillivray@questar.com**

Title **Associate Petroleum Engineer**

Signature

*Lucius McGillivray*

Date

1-8-08

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by

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

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
1/22/08

Federal Approval of This  
Action is Necessary

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.

(Instructions on page 2)

By:

**RECEIVED**

**JAN 18 2008**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
UTU 2030

6. If Indian, Allottee or Tribe Name  
N/A

**SUBMIT IN TRIPLICATE** - Other instructions on page 2.

1. Type of Well  
 Oil Well     Gas Well     Other Injection Well

2. Name of Operator  
Questar Exploration and Production Co.

3a. Address  
11002 E. 17500 S. Vernal, UT 84078-8526

3b. Phone No. (include area code)  
435 781-4319

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
1980' FNL, 1980' FEL, SWNE, Section 19, T7S, R23E, SLBM

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

8. Well Name and No.  
RW 32-19B

9. API Well No.  
43-047-15174

10. Field and Pool or Exploratory Area  
Redwash

11. Country or Parish, State  
Utah

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

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

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

Questar Exploration and Production reports the following work to plug and abandon was finished on April 27, 2009 as follows:

- Set CICR @ 5411'
- Pump 25 sacks under and 105 sacks on top
- Perforate @ 3206', good rate into perms; perforate @ 450'
- Set CICR @ 3111', pumped 50 sacks through and 30 sacks on top
- Pump 240 sacks down production casing through annulus to surface, cut off wellhead
- Top off with 5 sacks
- Weld on plate

BLM on location was Cade Taylor.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)  
Lucius McGillivray

Title Associate Petroleum Engineer

Signature *Lucius McGillivray* Date 4/27/09

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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

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

**RECEIVED**

**APR 29 2009**

(Instructions on page 2)

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> RW 32-19B				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input type="radio"/> REENTER P&A WELL <input checked="" type="radio"/> DEEPEN WELL <input type="radio"/>						<b>3. FIELD OR WILDCAT</b> RED WASH				
<b>4. TYPE OF WELL</b> Gas Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> RED WASH				
<b>6. NAME OF OPERATOR</b> QEP ENERGY COMPANY						<b>7. OPERATOR PHONE</b> 303 308-3068				
<b>8. ADDRESS OF OPERATOR</b> 11002 East 17500 South, Vernal, Ut, 84078						<b>9. OPERATOR E-MAIL</b> debbie.stanberry@questar.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU02030			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="radio"/> INDIAN <input type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="radio"/> INDIAN <input type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="radio"/> (Submit Commingling Application) NO <input checked="" type="radio"/>			<b>19. SLANT</b> VERTICAL <input checked="" type="radio"/> DIRECTIONAL <input type="radio"/> HORIZONTAL <input type="radio"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		1829 FNL 1970 FEL		SWNE	19	7.0 S	23.0 E	S		
Top of Uppermost Producing Zone		1829 FNL 1970 FEL		SWNE	19	7.0 S	23.0 E	S		
At Total Depth		1829 FNL 1970 FEL		SWNE	19	7.0 S	23.0 E	S		
<b>21. COUNTY</b> UINTAH			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1829			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40				
<b>27. ELEVATION - GROUND LEVEL</b> 5480			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1000			<b>26. PROPOSED DEPTH</b> MD: 11523 TVD: 11523				
			<b>28. BOND NUMBER</b> ESB000024			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> A-36125/ 49-2153				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	9	7	0 - 5724	23.0	J-55 LT&C	0.0	Class G	0	0.0	0.0
Prod	6.125	4.5	0 - 11523	11.6	HCP-110 LT&C	10.5	Halliburton Light , Type Unknown	220	3.18	11.0
							Halliburton Premium , Type Unknown	180	1.71	13.5
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Valyn Davis			<b>TITLE</b> Regulatory Affairs Analyst			<b>PHONE</b> 435 781-4369				
<b>SIGNATURE</b>			<b>DATE</b> 06/22/2011			<b>EMAIL</b> Valyn.Davis@qepres.com				
<b>API NUMBER ASSIGNED</b> 43047151740000			<b>APPROVAL</b>			 Permit Manager				

**QEP Energy Company**  
**RW 32-19B RE Drilling Prog**  
**API#: 43-047-15174**  
**Summarized Re-Entry Procedure**

1. Excavate around Dry-Hole Marker, expose P&A well.
2. Slip-on and weld 9-5/8" conductor back to surface.
3. MIRU Pulling unit.
4. Wash over and remove 7" casing to approximately 450'.
5. RIH with external casing patch and tie 7" casing back to surface.
6. Install wellhead and pressure test to 3,000 psi.
7. Fill backside of 7" casing with cement back to surface.
8. NU BOP. RIH, drill out P&A plugs to original PBTD.
9. Pressure test previously squeezed perms. Remediate if necessary.
10. RDMO with pulling unit.
11. MIRU drilling rig.
12. NU and test BOPE.
13. Drill out 7" shoe and down to 11,523' TVD with a 6 1/8" bit.
14. If hole conditions permit, log with triple combo.
15. Run and cement 4 1/2" 11.6# HCP-110 casing.
16. ND BOPE.
17. RDMOL.

CONFIDENTIAL

ONSHORE OIL & GAS ORDER NO. 1  
 QEP ENERGY COMPANY  
 RW 32-19B RE (API#: 43-047-15174)

RE-ENTRY 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:

<u>Formation</u>	<u>Depth, TVD &amp; MD</u>
Green River	3,117'
Mahogany	3,975'
Original TD	6,186'
Wasatch	6,513'
Mesaverde	9,063'
Sego	11,423'
TD	11,523'

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

The estimated depths at which the top 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 &amp; MD</u>
Gas	Wasatch	6,513'
Gas	Mesaverde	9,063'
Gas	Sego	11,423'

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

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right A36125

ONSHORE OIL & GAS ORDER NO. 1  
 QEP ENERGY COMPANY  
 RW 32-19B RE (API#: 43-047-15174)

(which was filed on May 7, 1964) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

**3. Operator's Specification for Pressure Control Equipment**

- A. 7 1/16" or 11" as available 5000 psi double ram with blind rams and pipe rams, annular preventer and drilling spool or BOP with 2 side outlets.
- B. All BOP connection 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.

**4. Casing Design:**

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.	Expected MW(ppg)
15"	10 3/4"	sfc	394'	40.5#	J-55	STC	Existing	N/A
9"	7"	sfc	5,724'	23#	J-55	LTC	Existing	N/A
6 1/8"	4 1/2"	sfc	11,523'	11.6#	HCP-110	LTC	New	8.8 – 10.5

ONSHORE OIL & GAS ORDER NO. 1  
 QEP ENERGY COMPANY  
 RW 32-19B RE (API#: 43-047-15174)

Casing Strengths:				Collapse	Burst	Tensile (min)
10 3/4"	40.5#	J-55	STC	1,580 psi	3,130 psi	420,000 lb.
7"	23#	J-55	LTC	3,270 psi	4,360 psi	313,000 lb.
4 1/2"	11.6#	HCP-110	LTC	8,830 psi	10,710 psi	279,000 lb.

### Casing Design Factors

\*The casing prescribed above meets or exceeds the below listed design factors.

Burst: 1.2

Collapse: 1.2

Tension: 1.6

Maximum anticipated mud weight:

10.5 ppg

Maximum anticipated surface treating pressure:

7,500 psi

## 5. Cementing Program

### 4-1/2" Production Casing: sfc – 11,523'

**Lead Slurry: 3,000' (TOC) – 9,063.** 220 sks (694 ft<sup>3</sup>) Halliburton Extendacem, 3 pps Silicalite (extender), 1 pps Granulite TR 1/4 (LCM), 0.125 pps Poly – E – Flake. Slurry Weight 11.0 lb/gal, 3.18 ft<sup>3</sup>/sk, 25% excess over gauge in open hole only.

**Tail Slurry: 9,063' – 11,523'.** 180 sks (293 ft<sup>3</sup>), Halliburton Expandacem, 0.2% Super CBL (Expander), 0.45% HR-5 (Retarder), 1 pps Granulite TR 1/4, 0.125 pps Poly-E-Flake (LCM). Slurry Weight 13.5 lb/gal, 1.71 ft<sup>3</sup>/sk, 25% excess over gauge hole.

\*Final cement volumes to be calculated from caliper log and will attempt to pump cement to 3,000'.

## 6. Auxiliary 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

ONSHORE OIL & GAS ORDER NO. 1  
QEP ENERGY COMPANY  
RW 32-19B RE (API#: 43-047-15174)

- E. Drilling below the 7" casing will be done with water based mud. Maximum anticipated mud weight is 10.5 ppg.
- F. No minimum quantity of weight material will be required to be kept on location.
- G. Gas detector will be used from intermediate casing depth to TD.

7. **Testing, logging and coring program**

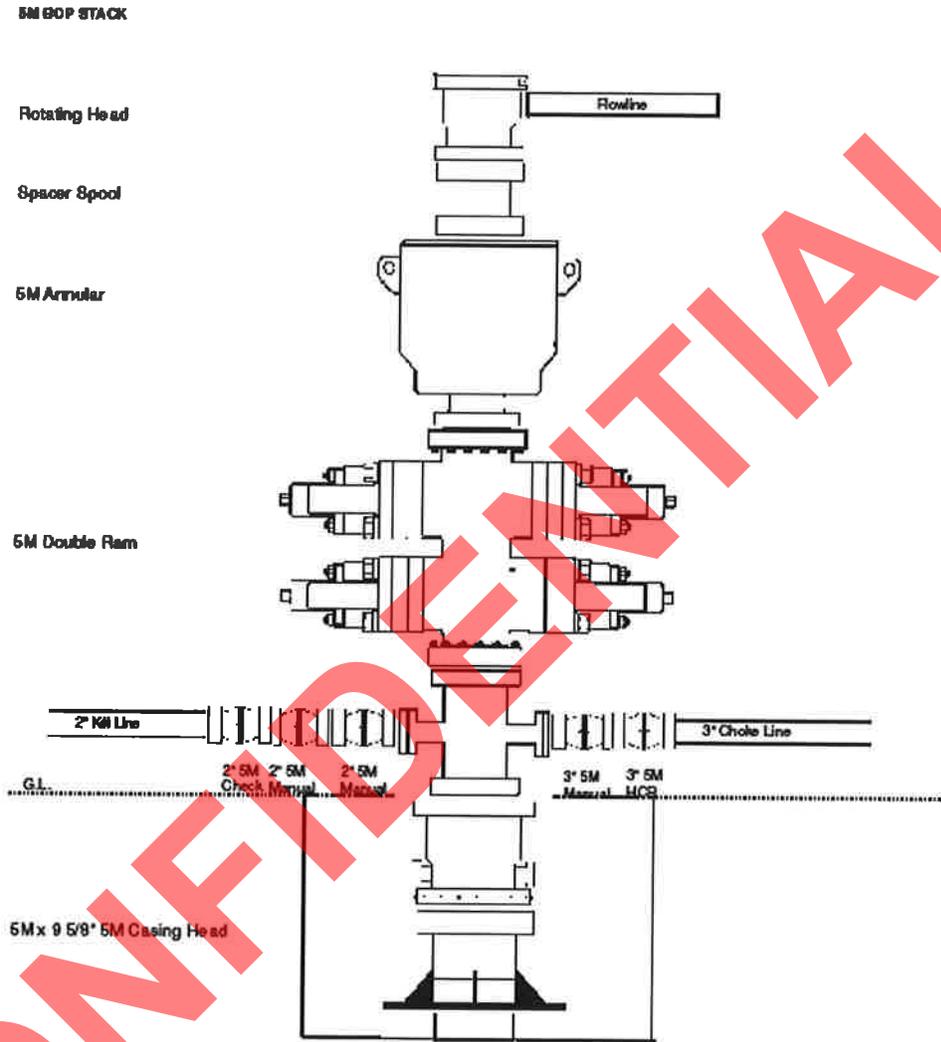
- A. Cores – none.
- B. DST – none anticipated
- C. Logging – Mud logging – Surface Casing to TD  
OH Logs: GR-SP-Induction, Neutron Density.
- D. Formation and Completion Interval:  
– Stimulation will be designed for the particular area of interest as encountered.

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

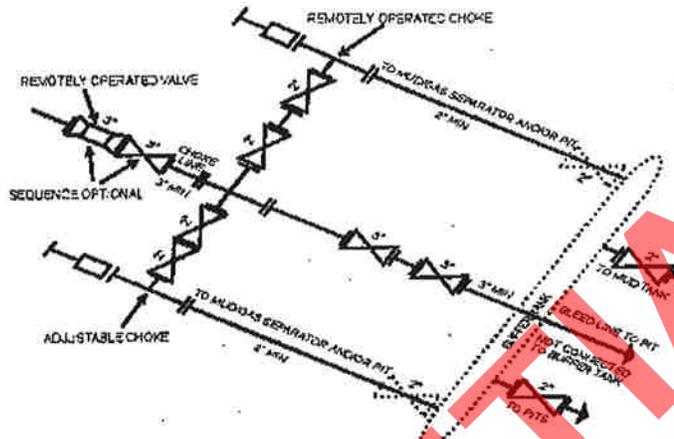
No abnormal temperatures or pressures are anticipated. Maximum anticipated bottom hole pressure equals approximately 6,292 psi. Maximum anticipated bottom hole temperature is 210° F.

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

ONSHORE OIL & GAS ORDER NO. 1  
QEP ENERGY COMPANY  
RW 32-19B RE (API#: 43-047-15174)



ONSHORE OIL & GAS ORDER NO. 1  
QEP ENERGY COMPANY  
RW 32-19B RE (API#: 43-047-15174)



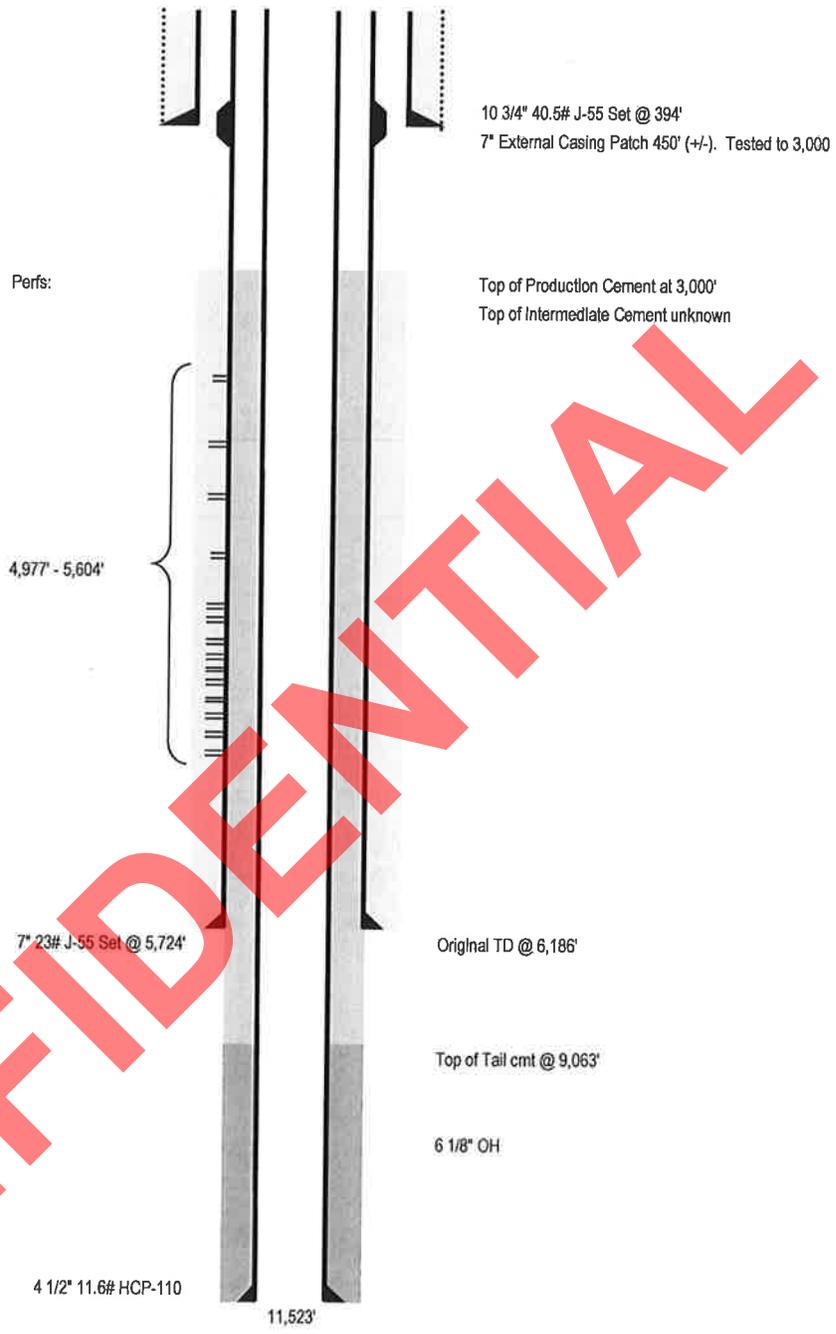
**5M CHOKES MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY**

Although not required for any of the choke manifold systems, ballcock tanks are sometimes installed downstream of the choke assemblies for the purpose of gasfolding the bleed lines together. When ballcock tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 204, 3M, 10M, OR 15M drawings, it would also be applicable to these situations.

[54 FR 29328, Sept. 27, 1989]

**CONFIDENTIAL**

RW 32-19B RE  
API# 43-047-15174  
SWNE Sec 19 T7S R23E  
Uintah County, Utah  
KB 5,495'  
GL 5,481'  
Original Spud Date: 5/24/1956



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

QEP ENERGY COMPANY

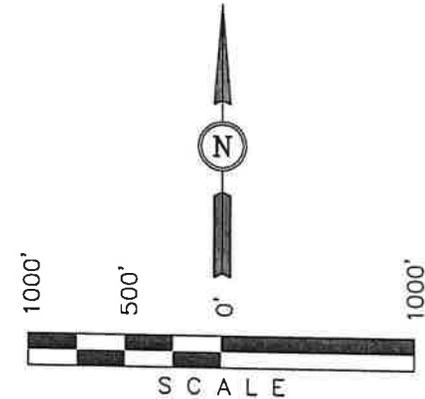
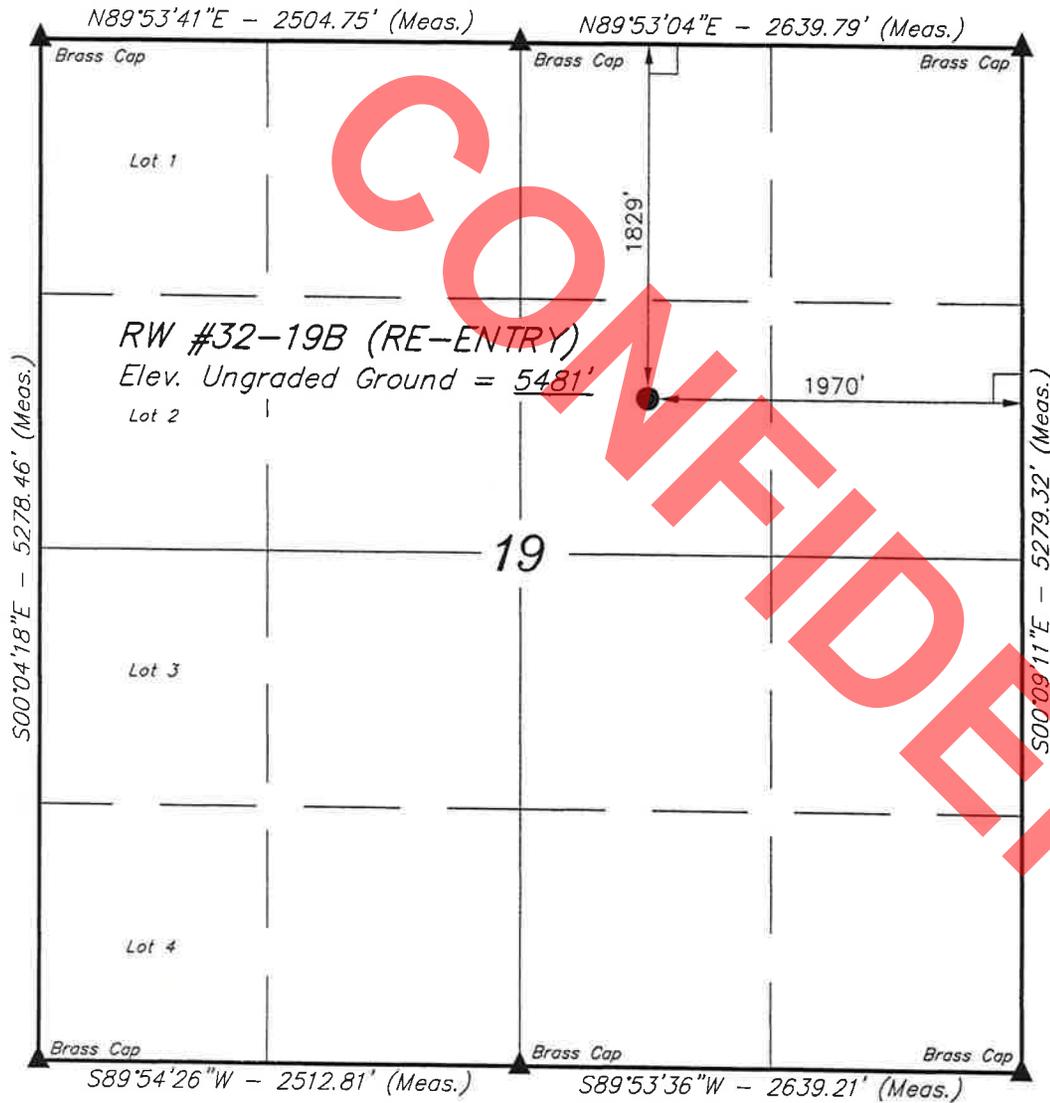
Well location, RW #32-19B (Re-Entry), located as shown in the SW 1/4 NE 1/4 of Section 19, T7S, R23E, S.L.B.&M., Uintah County, Utah.

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.



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 5-4-11

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

LEGEND:

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

(NAD 83)  
 LATITUDE =  $40^{\circ}11'50.10''$  (40.197250)  
 LONGITUDE =  $109^{\circ}22'03.02''$  (109.367506)  
 (NAD 27)  
 LATITUDE =  $40^{\circ}11'50.23''$  (40.197286)  
 LONGITUDE =  $109^{\circ}22'00.56''$  (109.366822)

SCALE 1" = 1000'	DATE SURVEYED: 04-15-11	DATE DRAWN: 04-19-11
PARTY A.F. J.M. S.R.L.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE QEP ENERGY COMPANY	

API Well Number: 43047151740000

RECEIVED: Jun. 27, 2011

**QEP ENERGY COMPANY**  
**RW #32-19B (RE-ENTRY)**  
LOCATED IN UTAH COUNTY, UTAH  
SECTION 19, T7S, R23E, S.L.B.&M.

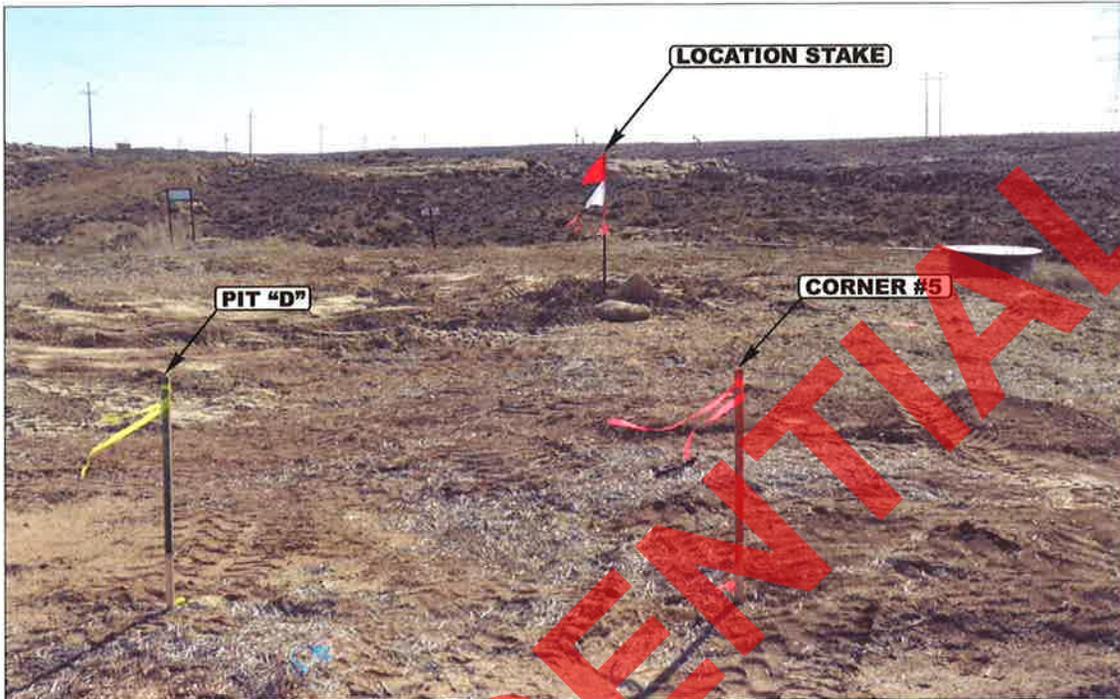


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: EASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



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<b>LOCATION PHOTOS</b>	<b>04</b>	<b>21</b>	<b>11</b>	<b>PHOTO</b>
	MONTH	DAY	YEAR	
TAKEN BY: A.F.	DRAWN BY: J.L.G.		REVISED: 00-00-00	

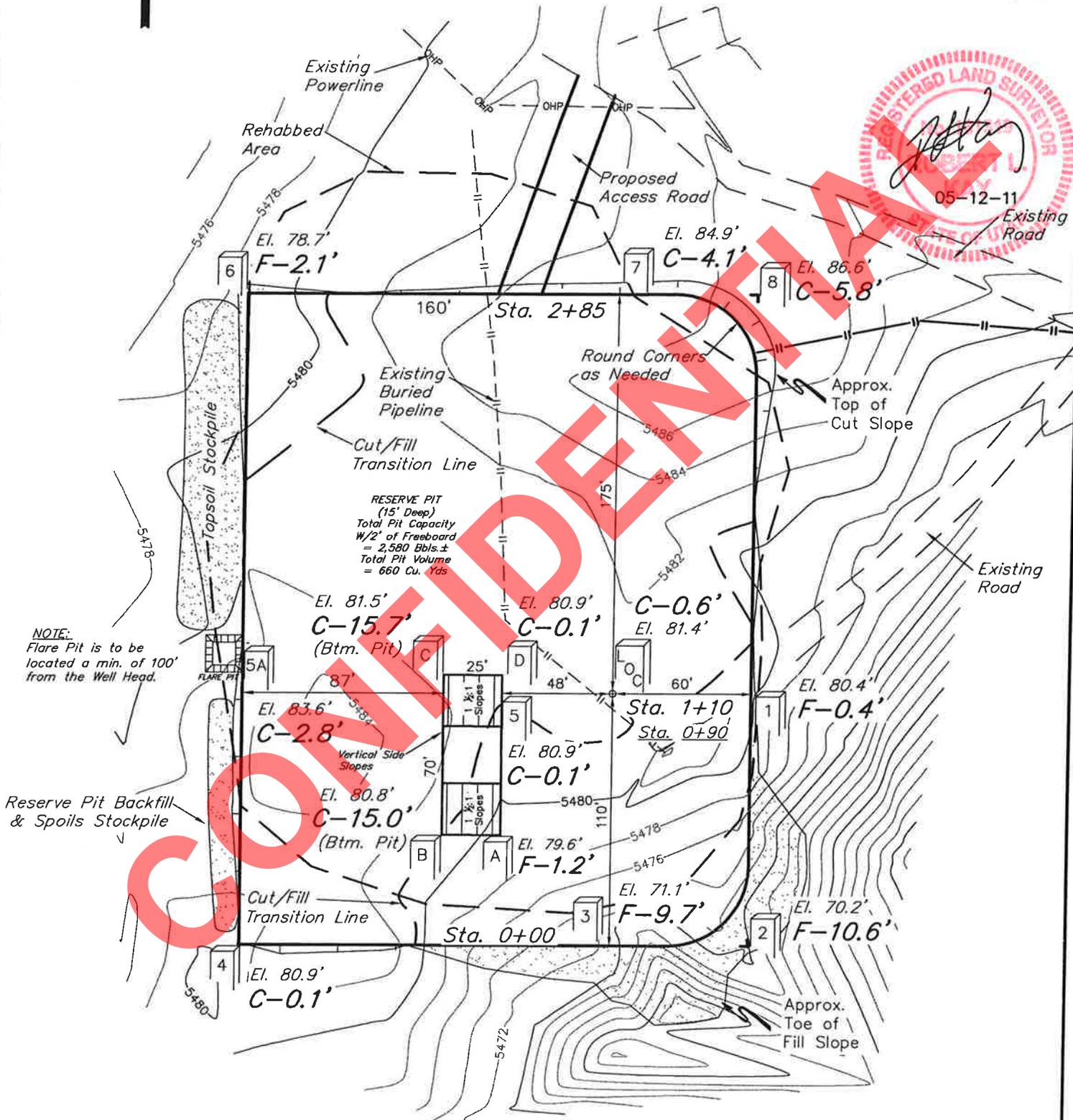
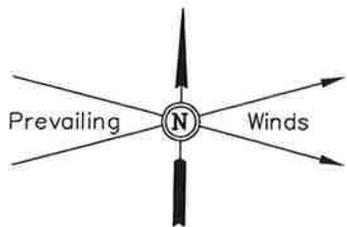
**QEP ENERGY COMPANY**

LOCATION LAYOUT FOR

RW #32-19B (RE-ENTRY)  
SECTION 19, T7S, R23E, S.L.B.&M  
1829' FNL 1970' FEL

**FIGURE #1**

SCALE: 1" = 60'  
DATE: 04-19-11  
DRAWN BY: S.R.L.  
REVISED: 5-12-11



Elev. Ungraded Ground At Loc. Stake = **5481.4'**  
FINISHED GRADE ELEV. AT LOC. STAKE = **5480.8'**

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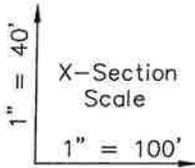
RECEIVED: Jun. 27, 2011

QEP ENERGY COMPANY

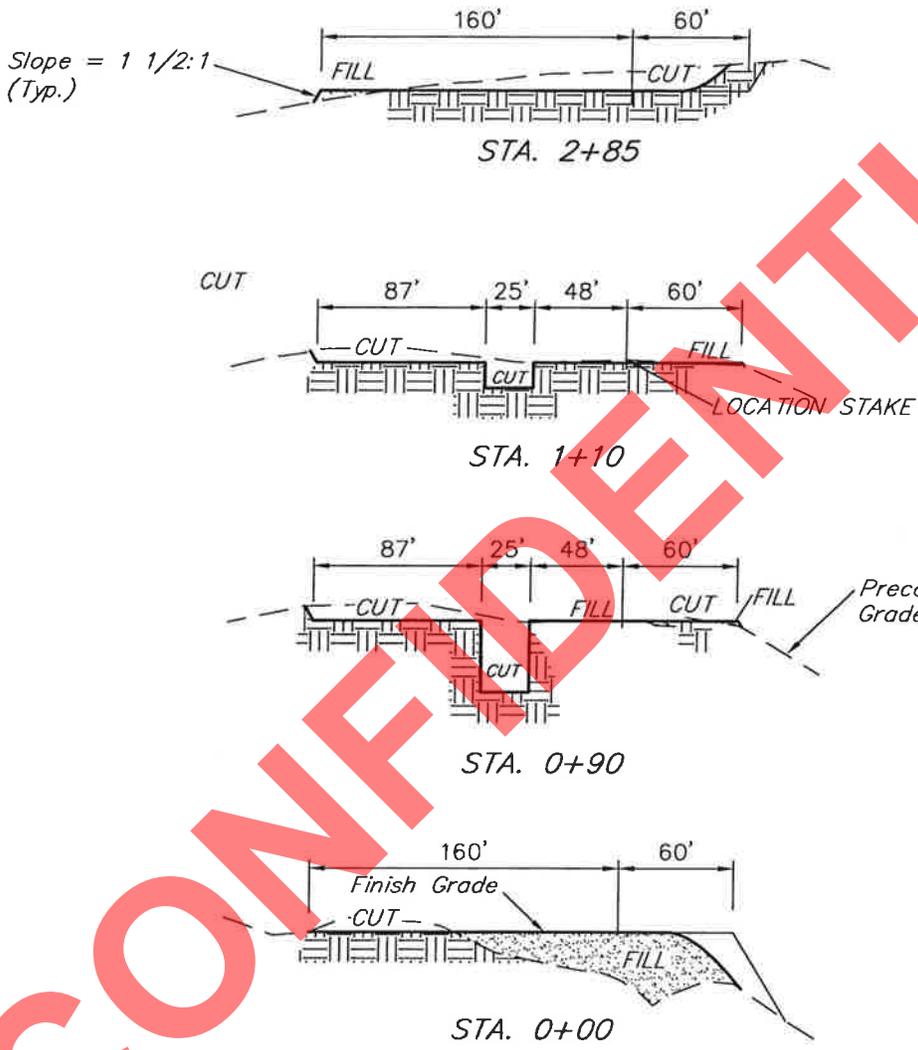
FIGURE #2

TYPICAL CROSS SECTIONS FOR

RW #32-19B (RE-ENTRY)  
SECTION 19, T7S, R23E, S.L.B.&M  
1829' FNL 1970' FEL



DATE: 04-19-11  
DRAWN BY: S.R.L.  
REVISED 5-12-11



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NOTE:

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

APPROXIMATE ACREAGES:

WELL SITE DISTURBANCE = ± 1.573 ACRES  
ACCESS ROAD DISTURBANCE = ± 0.065 ACRES  
PIPELINE DISTURBANCE = ± 0.111 ACRES  
TOTAL = ± 1.749 ACRES

\* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	1,270 Cu. Yds.
Remaining Location	=	3,120 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>4,390 CU.YDS.</b>
<b>FILL</b>	<b>=</b>	<b>2,790 CU.YDS.</b>

EXCESS MATERIAL	=	1,600 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,600 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

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RECEIVED: Jun. 27, 2011

# QEP ENERGY COMPANY

## TYPICAL RIG LAYOUT FOR

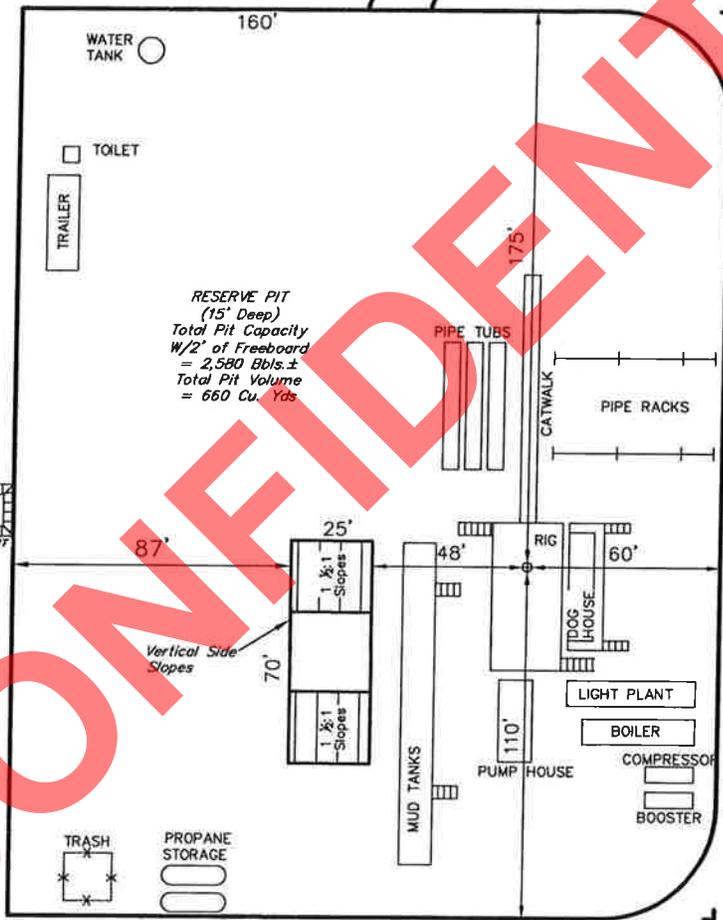
RW #32-19B (RE-ENTRY)  
SECTION 19, T7S, R23E, S.L.B.&M  
1829' FNL 1970' FEL

FIGURE #3

SCALE: 1" = 60'  
DATE: 04-19-11  
DRAWN BY: S.R.L.  
REVISED: 5-12-11



Proposed  
Access Road



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

RESERVE PIT  
(15' Deep)  
Total Pit Capacity  
W/2' of Freeboard  
= 2,580 Bbls.±  
Total Pit Volume  
= 660 Cu. Yds

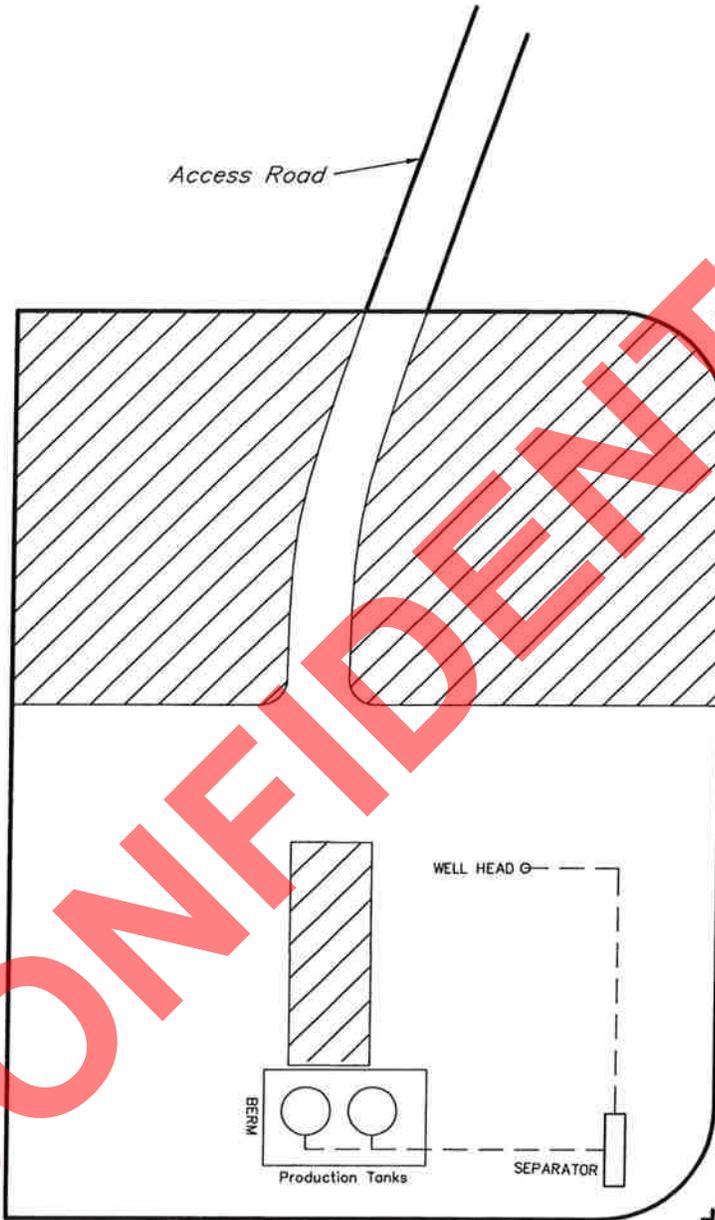
**QEP ENERGY COMPANY**  
PRODUCTION FACILITY LAYOUT FOR  
RW #32-19B (RE-ENTRY)  
SECTION 19, T7S, R23E, S.L.B.&M  
1829' FNL 1970' FEL

**FIGURE #4**

SCALE: 1" = 60'  
DATE: 04-19-11  
DRAWN BY: S.R.L.  
REVISED: 5-12-11



Access Road



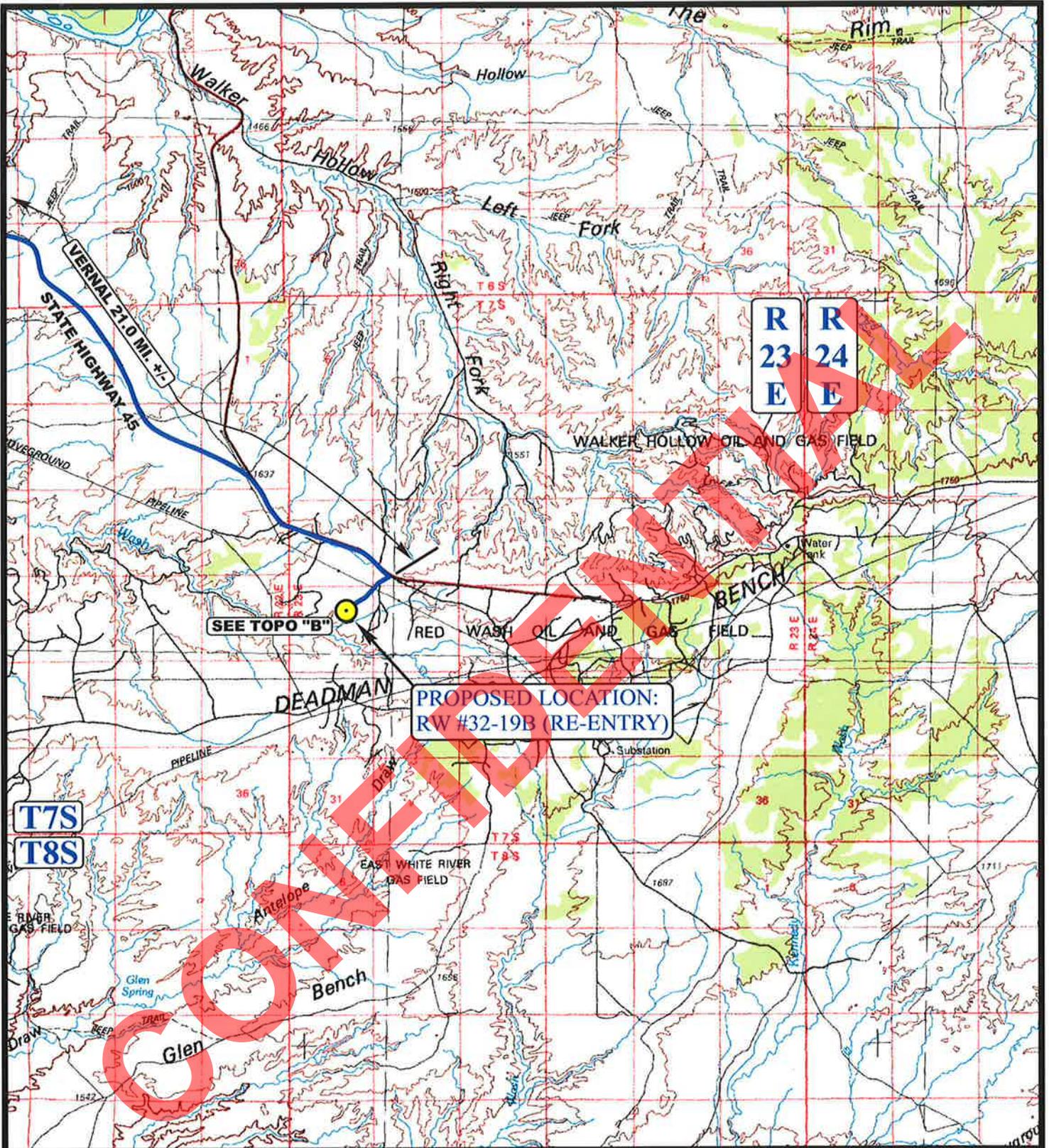
 RECLAIMED AREA

**QEP ENERGY COMPANY  
RW #32-19B (RE-ENTRY)  
SECTION 19, T7S, R23E, 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 17.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTH; FOLLOW ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 94' TO THE PROPOSED LOCATION

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 21.7 MILES.

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SEE TOPO "B"

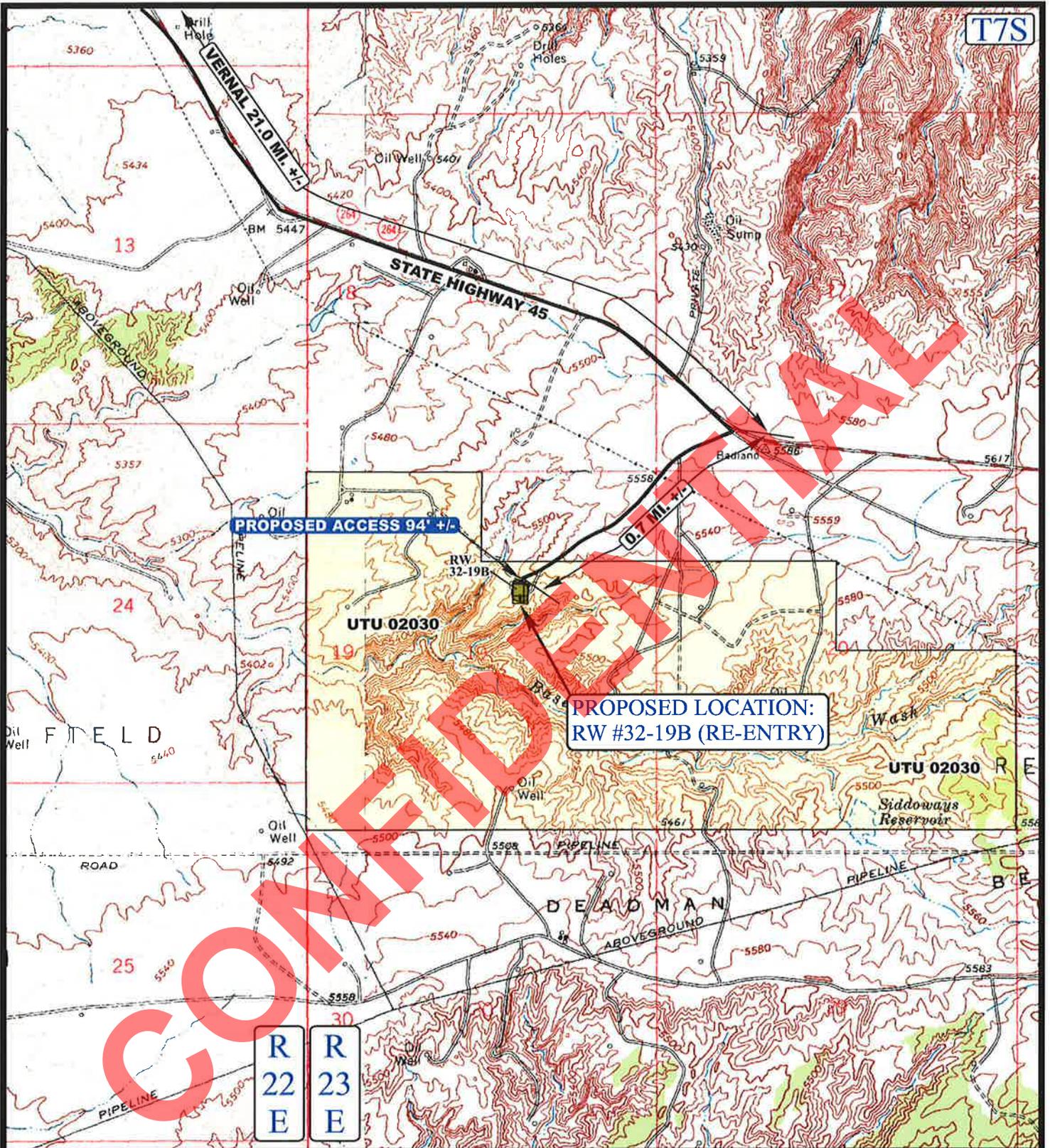
PROPOSED LOCATION:  
RW #32-19B (RE-ENTRY)

**LEGEND:**  
 PROPOSED LOCATION

**QEP ENERGY COMPANY**  
 RW #32-19B (RE-ENTRY)  
 SECTION 19, T7S, R23E, S.L.B.&M.  
 1829' FNL 1970' FEL

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

**TOPOGRAPHIC MAP** 04 21 11  
 MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: J.L.G. REVISED: 00-00-00 **A TOPO**



**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD

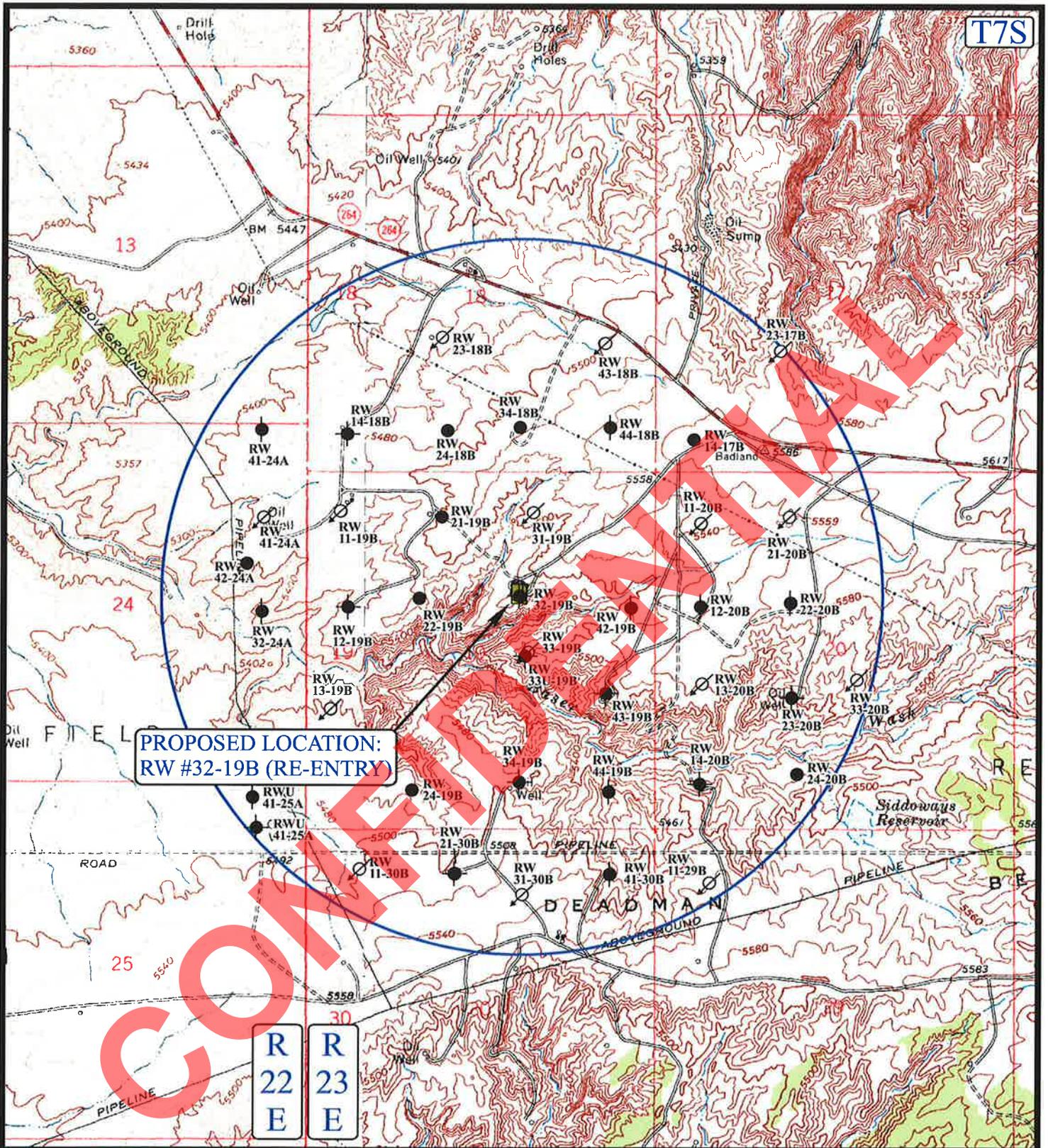


**QEP ENERGY COMPANY**

**RW #32-19B (RE-ENTRY)**  
**SECTION 19, T7S, R23E, S.L.B.&M.**  
**1829' FNL 1970' FEL**

<b>UELS</b>	Uintah Engineering & Land Surveying 85 South 200 East Vernal, Utah 84078 (435) 789-1017 * FAX (435) 789-1813
	TOPOGRAPHIC MAP SCALE: 1" = 2000' DRAWN BY: J.L.G.

<b>TOPOGRAPHIC MAP</b> SCALE: 1" = 2000' DRAWN BY: J.L.G.	<b>04 21 11</b> MONTH DAY YEAR REVISED: 05-17-11	<b>B</b> TOPO
--	--	------------------



**LEGEND:**

- ⊘ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ⊘ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

**QEP ENERGY COMPANY**

**RW #32-19B (RE-ENTRY)**  
**SECTION 19, T7S, R23E, S.L.B.&M.**  
**1829' FNL 1970' FEL**



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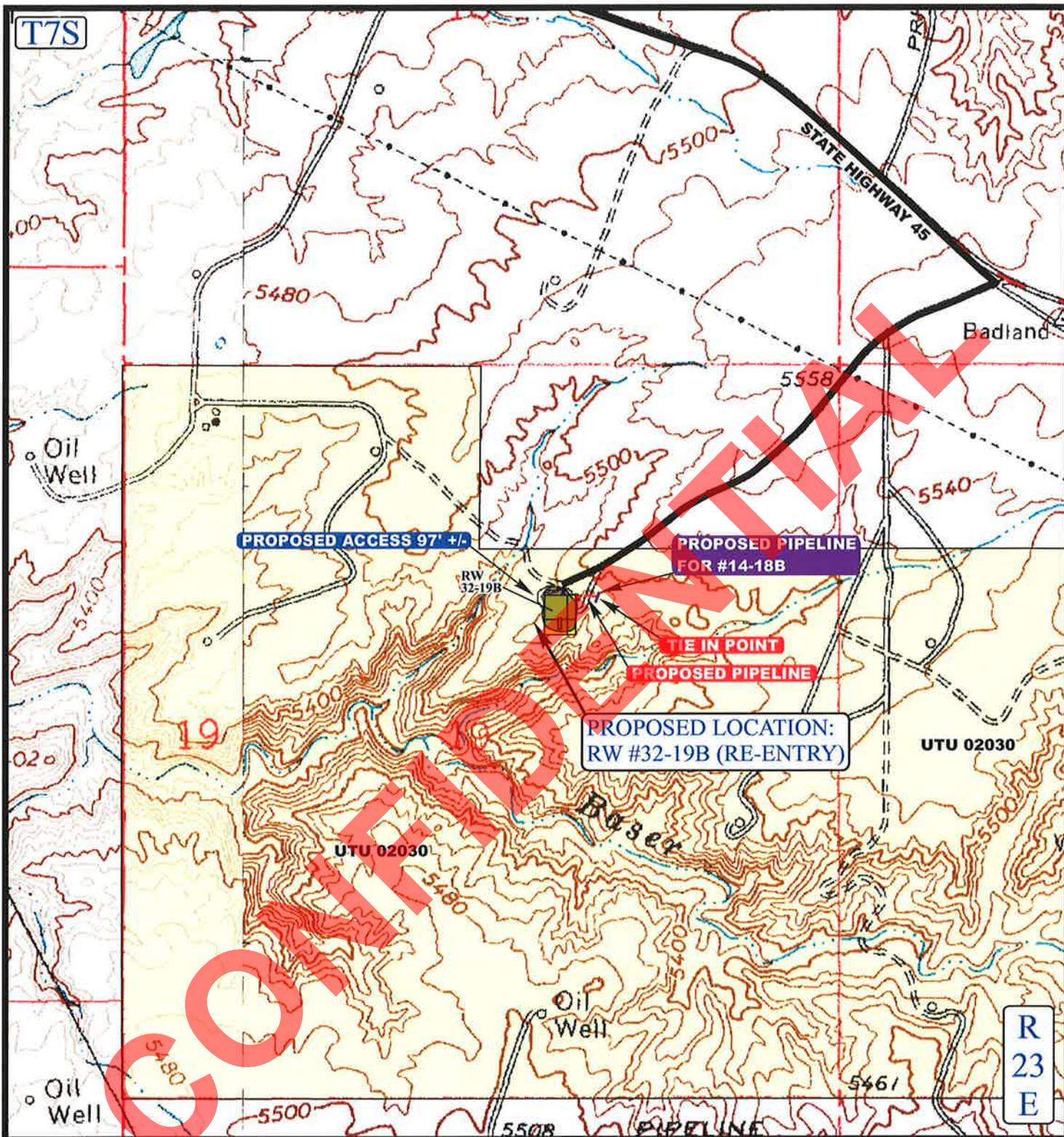


**TOPOGRAPHIC MAP**

**04 21 11**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 05-17-11





APPROXIMATE TOTAL PIPELINE DISTANCE = 162' +/-

LEGEND:

-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED ACCESS



QEP ENERGY COMPANY

RW #32-19B (RE-ENTRY)  
SECTION 19, T7S, R23E, S.L.B.&M.  
1829' FNL 1970' FEL



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TOPOGRAPHIC  
MAP

04 21 11  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: J.L.G. REVISED: 05-17-11



**WEED DATA SHEET**

**PROJECT NAME:** RW 32-19B  
**SURVEYOR:** Stephanie Tomkinson

**DATE:** 5/25/11

	Location GPS Coordinates	Site Description	Weed Species	Cover Class or Number	Pattern	Infestation Size (acres)
1						
2						
3						
4						
5						
6						
7						

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

*No noxious weeds on location*

*use ref side from: RW 12-29B*

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

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

**\*Pattern - pattern of the infestation**

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

**\*Infestation Size - number of estimated acres of the infestation**

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

Cheatgrass canopy cover: 4

Russian thistle canopy cover: 2

Halogeton canopy cover: 2

Kochia canopy cover: 1

*Rabbit, horse, cheat*

### Additional Operator Remarks

QEP Energy Company proposes to re-enter the existing plugged and abandoned well bore for the RW 32-19B and drill to a depth of 11, 523' to test the Mesa Verde Formation. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per BLM and State of Utah requirements"

Please see Onshore Order No. 1.

Please refer to QEP Energy Company Greater Deadman Bench  
EIS UT-080-2003-0369V Record of Decision dated March 31, 2008.

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

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

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**QEP ENERGY COMPANY  
RW 32-19B  
1829' FNL 1970' FEL  
SWNE, SECTION 19, T7S, R23E  
UINTAH COUNTY, UTAH  
LEASE # UTU-02030**

**ONSHORE ORDER NO. 1  
MULTI – POINT SURFACE USE & OPERATIONS PLAN**

An onsite inspection was conducted for the RW 32-19B on May 25, 2011. 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
Jan Nelson	QEP Energy Company
Stephanie Tomkinson	QEP Energy Company
Ryan Angus	QEP Energy Company
Valyn Davis	QEP Energy Company
Wade Hafey	QEP Field Service
Andy Floyd	Uintah Engineering & Land Surveying

**1. Existing Roads:**

The proposed well site is approximately 22 miles South of Vernal, Utah.

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

All existing roads will be maintained and kept in good repair during all phases of operation.

**2. Planned Access Roads:**

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

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

There will be a new access road approximately 94.38' in length, containing approximately .065 acres. The access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed safe road. Should conditions warrant, rock, gravel or culverts will be installed as needed.

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

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

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 State.

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

Refer to Topo Map D for the location of the proposed pipeline.

All existing equipment will be moved off location before any construction begins.

The proposed surface pipeline will be constructed utilizing existing disturbed areas to minimize surface disturbance. No construction activities will be allowed outside of the proposed pipeline.

Prior to construction, the Permittee will develop a plan of installation to minimize surface disturbance. Pipe will be strung along the pipeline route with either a flatbed trailer and rubber tired backhoe or a tracked typed side boom. Where surface conditions do not allow the pipe to be strung using conventional methods, the Permittee will utilize pull sections to run the fabricated pipe through the area from central staging areas along the pipeline route.

Upon completion of stringing activities the Permittee will fabricate the pipeline on wooden skids adjacent to the centerline of the pipeline route using truck mounted welding machines. All fabricated piping will be lowered off of the wooden skids and

placed along the centerline. Upon completion of all activities, the wooden skids will be removed from the pipeline route using a flatbed truck or flatbed truck and trailer.

When the surface terrain prohibits the Permittee from safely installing the pipeline along the pipeline route, grading of the route will be required. Prior to installing the pipeline in these areas a plan will be developed to safely install the pipeline while minimizing grading activities and surface disturbances. Additionally, erosion control Best Management Practices will be installed as needed prior to the start of any grading activities. Surface grading will be limited to what is needed to safely install the pipeline. Track type bulldozers and track type backhoes will be utilized for grading activities.

Upon completion of the pipeline installation, the pipeline route will be restored to the pre-disturbance surface contours.

The proposed pipeline will be a surface 10" or smaller, 162' in length, containing .111 acres.

### **Road Crossings**

Fusion Bond or concrete coated pipe will be used for all road crossings to alleviate future corrosion.

All pipe and fittings used for road crossings will be prefabricated within the proposed pipeline route to minimize the duration of open pipe trench across the roadway. Pipe used for road crossings will be isolated on each end with a flange set and insulation kit and cathodically protected with a magnesium type anode. Adequately sized equipment will be used for minor and major road crossings. Depth of cover for minor roads will be >4' and the depth of cover for major roads will be >6'.

Prior to lowering the pipe in the trench, the Permittee will "Jeep" the pipe to locate and repair any holidays in the pipe coating. Upon lowering the pipe in the trench, 6" of bedding and a minimum of 6" of shading will be installed to protect the pipe using either native soils <1" in diameter or imported sand. Pipe trenches that extend across gravel roads will be backfilled with native soils to within 8" of the driving surface and capped with 3/4" road base. Pipe trenches that extend across asphalt paved roads will be backfilled to 4" of the driving surface with 3/4" road base and capped asphalt material.

### **5. Location and Type of Water Supply:**

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

Water for drilling purposes would be obtained from Wonsits Valley Water Right # A 36125 (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.

**6. Source of Construction Materials:**

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

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

Any gravel will be obtained from a commercial source.

The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2-3.

**7. Methods of Handling Waste Materials:**

Please refer to QEP Energy Company Greater Deadman Bench EIS UTU-080-200-0369V Record of Decision dated March 31, 2008.

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 or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

It will be determined at the on-site inspection if 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.

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days.

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

Red Wash disposal well located in the NESW, Section 28, T7S, R22E,  
Red Wash Central Battery Disposal located SWSE, Section 27, T7S, R23E,

West End Disposal located in the NESE, Section 28, T7S, R22E,  
or approved third-party surface evaporative pits.

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

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

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

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

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

**8. Ancillary Facilities:**

None anticipated.

**9. Well Site Layout: (See Location Layout Diagram)**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

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

The reserve pit.

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

A pit liner is required. A felt pit liner will be required if bedrock is encountered.

**10. Fencing Requirements:**

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

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

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

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

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

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

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

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

**11. Plans for Reclamation of the Surface:**

Please refer to QEP Energy Company Uinta Basin Division Reclamation Plan

**Site Specific Procedures:**

**Site Specific Reclamation Summary:**

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

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

The disturbed area will be backfilled with subsoil.

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

Water courses and drainages will be restored.

Erosion control devices will be installed where needed.

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

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

Monitoring and reporting will be conducted as stated in Questar's Reclamation Plan. A sundry notice (Form 3160.5), for the Reference Site will be filed at a later date.

It was determined and agreed upon that there is 4" inches of top soil.

**12. Surface Ownership:**

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
(435) 781-4400

**13. Other Information:**

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted on May 17, 2011, **Moac Report No. 11-137** by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

A Class III paleontological survey was conducted by Intermountain Paleo Consulting. A copy of this report was submitted on June 16, 2011 **IPC # 11-68** 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 on May 25, 2011, the following items were requested/ discussed.**

There is a Red Tailed Hawk Stipulation from March 15 to August 15. No construction or drilling will commence during this period unless otherwise determined by a wildlife biologist that the site is inactive.

During construction caution will be taken around Corner #2 and Corner #3 to prevent the loss of any topsoil over the edge of the location.

**Lessee's or Operator's Representative & Certification:**

Valyn Davis  
Regulatory Affairs Analyst  
QEP Energy Company  
11002 East 17500 South  
Vernal, UT 84078  
(435) 781-4331

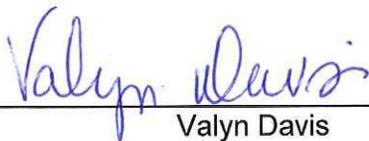
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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.

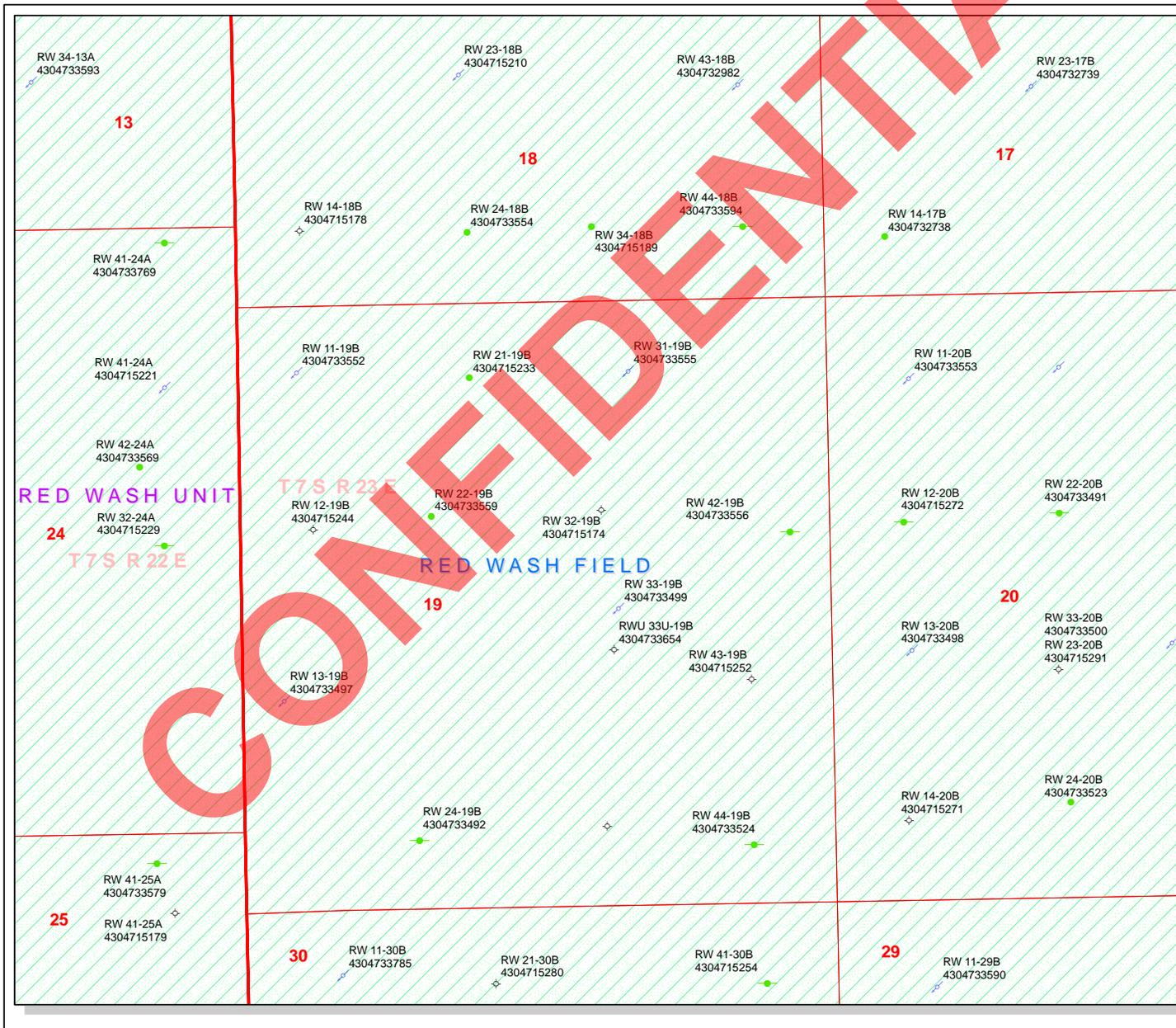
Bond coverage pursuant to 43 CFR 3104.2 for lease activities is being provided by Bond No. ESB000024

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.

  
Valyn Davis

6/21/2011  
Date

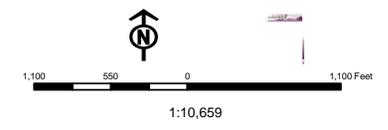
CONFIDENTIAL



**API Number: 4304715174**  
**Well Name: RW 32-19B**  
**Township T07. Range R2.3. Section 19**  
**Meridian: SLBM**  
**Operator: QEP ENERGY COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

Units STATUS	Wells Query Status
ACTIVE	APD - Approved Permit
EXPLORATORY	DRL - Spudded (Drilling Commenced)
GAS STORAGE	GIW - Gas Injection
NF PP OIL	GS - Gas Storage
NF SECONDARY	LA - Location Abandoned
PI OIL	LOC - New Location
PP GAS	OPS - Operation Suspended
PP GEOTHERML	PA - Plugged Abandoned
PP OIL	PGW - Producing Gas Well
SECONDARY	POW - Producing Oil Well
TERMINATED	RET - Returned APD
Unknown	SGW - Shut-in Gas Well
ABANDONED	SOW - Shut-in Oil Well
ACTIVE	TA - Temp. Abandoned
COMBINED	TW - Test Well
INACTIVE	WDW - Water Disposal
STORAGE	WIW - Water Injection Well
TERMINATED	WSW - Water Supply Well
Sections	
Township	



# 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)

June 24, 2011

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2011 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 re-entry, deepening and completion in the Mesaverde Formation. The work is planned for calendar year 2011 within the Red Wash Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Mesaverde)		
43-047-15242	RWU 34-19B	Sec 19 T07S R23E 0700 FSL 1973 FEL
43-047-16499	RWU 186 (12-30B)	Sec 30 T07S R23E 1984 FNL 0599 FWL
43-047-15174	RWU 32-19B	Sec 19 T07S R23E 1829 FNL 1970 FEL
43-047-15280	RWU 21-30B	Sec 30 T07S R23E 0659 FNL 2182 FWL
43-047-15172	RWU 23-30B	Sec 30 T07S R23E 1873 FSL 1790 FWL

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

Michael L. Coulthard

Digitally signed by Michael L. Coulthard  
DN: cn=Michael L. Coulthard, o=Bureau of Land Management,  
ou=Branch of Minerals, email=Michael\_Coulthard@blm.gov, c=US  
Date: 2011.06.24 12:57:15 -0600

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

MCoulthard:mc:6-24-11

RECEIVED: Jun. 27, 2011

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/22/2011

API NO. ASSIGNED: 43047151740000

WELL NAME: RW 32-19B

OPERATOR: QEP ENERGY COMPANY (N3700)

PHONE NUMBER: 435 781-4369

CONTACT: Valyn Davis

PROPOSED LOCATION: SWNE 19 070S 230E

Permit Tech Review: 

SURFACE: 1829 FNL 1970 FEL

Engineering Review: 

BOTTOM: 1829 FNL 1970 FEL

Geology Review: 

COUNTY: Uintah

LATITUDE: 40.19729

LONGITUDE: -109.36682

UTM SURF EASTINGS: 639012.00

NORTHINGS: 4450723.00

FIELD NAME: RED WASH

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU02030

PROPOSED PRODUCING FORMATION(S): MESA VERDE

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: A-36125/ 49-2153
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling 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: 460' From Unit Boundary
- R649-3-11. Directional Drill

**Comments:** Presite Completed  
751210 COMM WIW:000829 OP FR N0210 EFF 1-1-00:030916 OP FR N4235: NM FR RWU 48 (32-19B):OP FR  
N2460:OP FR N2460:

**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 32-19B  
**API Well Number:** 43047151740000  
**Lease Number:** UTU02030  
**Surface Owner:** FEDERAL  
**Approval Date:** 6/27/2011

**Issued to:**

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

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 187-07. The expected producing formation or pool is the MESA VERDE 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

**RECEIVED**

UNITED STATES  
DEPARTMENT OF THE INTERIOR **JUN 22 2011**  
BUREAU OF LAND MANAGEMENT

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

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of Work: <input type="checkbox"/> DRILL <input checked="" type="checkbox"/> REENTER		<b>CONFIDENTIAL</b>		5. Lease Serial No. UTU02030
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone				6. If Indian, Allottee or Tribe Name
2. Name of Operator QEP ENERGY COMPANY		Contact: VALYN DAVIS E-Mail: Valyn.Davis@qepres.com		7. If Unit or CA Agreement, Name and No. 892000761X
3a. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078		3b. Phone No. (include area code) Ph: 435-781-4369 Fx: 435-781-4395		8. Lease Name and Well No. RW 32-19B
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface SWNE 1829FNL 1970FEL 40.197250 N Lat, 109.367506 W Lon At proposed prod. zone SWNE 1829FNL 1970FEL 40.197250 N Lat, 109.367506 W Lon				9. API Well No. <b>43 047 15174</b>
14. Distance in miles and direction from nearest town or post office* 22				10. Field and Pool, or Exploratory RED WASH
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1829		16. No. of Acres in Lease 1875.80		11. Sec., T., R., M., or Blk. and Survey or Area Sec 19 T7S R23E Mer SLB
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		12. County or Parish UINTAH
19. Proposed Depth 11523 MD 11523 TVD		20. BLM/BIA Bond No. on file ESB000024		13. State UT
21. Elevations (Show whether DF, KB, RT, GL, etc.) 5480 GL		22. Approximate date work will start 11/01/2011		23. Estimated duration 30 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:

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>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).</li> </ul> | <ul style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>5. Operator certification</li> <li>6. Such other site specific information and/or plans as may be required by the authorized officer.</li> </ul> |
|--|--|

25. Signature (Electronic Submission)	Name (Printed/Typed) VALYN DAVIS Ph: 435-781-4369	Date 06/28/2011
Title REGULATORY AFFAIRS ANALYST		
Approved by (Signature) 	Name (Printed/Typed) <b>Jerry Kenczka</b>	Date <b>NOV 30 2011</b>
Title <b>Assistant Field Manager Lands &amp; Mineral Resources</b>	Office <b>VERNAL FIELD OFFICE</b>	

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.

Additional Operator Remarks (see next page)

Electronic Submission #111725 verified by the BLM Well Information System  
For QEP ENERGY COMPANY, sent to the Vernal  
Committed to AFMSS for processing by LESLIE ROBINSON on 06/29/2011 ()

**RECEIVED**

**DEC 14 2011**

DIV. OF OIL, GAS & MINING

**NOTICE OF APPROVAL**

**UDOGM**

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

118XS0125A9

NOS-05/26/2011



**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 32-19B  
**API No:** 43-047-15174

**Location:** SWNE, Sec. 19, T7S, R23E  
**Lease No:** UTU-02030  
**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: <a href="mailto:blm_ut_vn_opreport@blm.gov">blm_ut_vn_opreport@blm.gov</a>
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 vehicles and equipment shall be cleaned either through power-washing, or other approved method, if the vehicles or equipment were brought in from areas outside the Uinta Basin, to prevent weed seed introduction.
- All disturbance areas shall be monitored for noxious weeds annually, for a minimum of three growing seasons following completion of project or until desirable vegetation is established.
- Reclamation will be completed in accordance with the Questar Exploration and Production Company, Uintah Basin Division's Reclamation Plan on file with the Vernal Field Office of the BLM.
- In the event historic or archaeological resources are uncovered during construction, work will stop immediately and the appropriate BLM AO will be notified.
- If paleontologic resources are uncovered during construction activities, the operator shall immediately suspend all operations that will further disturb such resources, and immediately notify the Authorized Officer (AO). The AO will arrange for a determination of significance and, if necessary, recommend a recovery or avoidance plan.
- QEP has agreed not to construct or drill during the following dates, unless otherwise determined by the BLM wildlife biologist.

<b>Well Name</b>	<b>Burrowing Owl March 1 to August 31</b>	<b>Red Tailed Hawk March 1 to August 15</b>	<b>Ferruginous Hawk March 1 to August 1</b>
RW 12-26B	No	No	No
RW 12-30B	Yes	Yes	No
RW 21-30B	Yes	Yes	No
RW 23-19B	No	No	No
RW 23-30B	No	Yes	No
RW 31-20B	Yes	No	No
RW 32-19B	No	Yes	No
RW 32-29B	No	No	Yes
RW 34-19B	Yes	Yes	No
RW 34-24B	Yes	No	Yes
RW 43-20B	No	No	No
RW 44-25B	No	No	Yes

All internal combustion equipment will be kept in good working order.

Water or other approved dust suppressants will be used at construction sites and along roads, as determined appropriate by the Authorized Officer.

Open burning of garbage or refuse will not occur at well sites or other facilities.

Drill rigs will be equipped with Tier II or better diesel engines.

Low bleed pneumatics will be installed on separator dump valves and other controllers. The use of low bleed pneumatics will result in a lower emission of VOCs.

During completion, flaring will be limited as much as possible. Production equipment and gathering lines will be installed as soon as possible.

Well site telemetry will be utilized as feasible for production operations.

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

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

**SITE SPECIFIC DOWNHOLE COAs:**

- The Operator shall also comply with applicable laws and regulations; with lease terms, Onshore Oil and Gas Orders, NTL's; and with other orders and instructions of the authorized officer.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB

or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to BLM\_UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location ( $\frac{1}{4}$  $\frac{1}{4}$ , Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid,

and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU02030	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> RED WASH	
<b>8. WELL NAME and NUMBER:</b> RW 32-19B	
<b>9. API NUMBER:</b> 43047151740000	
<b>9. FIELD and POOL or WILDCAT:</b> RED WASH	
<b>COUNTY:</b> UINTAH	
<b>STATE:</b> UTAH	

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

<b>1. TYPE OF WELL</b> Oil Well	
<b>2. NAME OF OPERATOR:</b> QEP ENERGY COMPANY	
<b>3. ADDRESS OF OPERATOR:</b> 11002 East 17500 South , Vernal, Ut, 84078	<b>PHONE NUMBER:</b> 303 308-3068 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1829 FNL 1970 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 19 Township: 07.0S Range: 23.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 6/27/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

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

**Date:** June 28, 2012

**By:**

<b>NAME (PLEASE PRINT)</b> Valyn Davis	<b>PHONE NUMBER</b> 435 781-4369	<b>TITLE</b> Regulatory Affairs Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/25/2012	



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047151740000**

API: 43047151740000

Well Name: RW 32-19B

Location: 1829 FNL 1970 FEL QTR SWNE SEC 19 TWP 070S RNG 230E MER S

Company Permit Issued to: QEP ENERGY COMPANY

Date Original Permit Issued: 6/27/2011

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

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

Signature: Valyn Davis

Date: 6/25/2012

Title: Regulatory Affairs Analyst Representing: QEP ENERGY COMPANY

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU02030
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> RED WASH
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> RW 32-19B
<b>2. NAME OF OPERATOR:</b> QEP ENERGY COMPANY	<b>9. API NUMBER:</b> 43047151740000
<b>3. ADDRESS OF OPERATOR:</b> 11002 East 17500 South , Vernal, Ut, 84078	<b>PHONE NUMBER:</b> 303 308-3068 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1829 FNL 1970 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 19 Township: 07.0S Range: 23.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> RED WASH  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>4/1/2013</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b> <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.

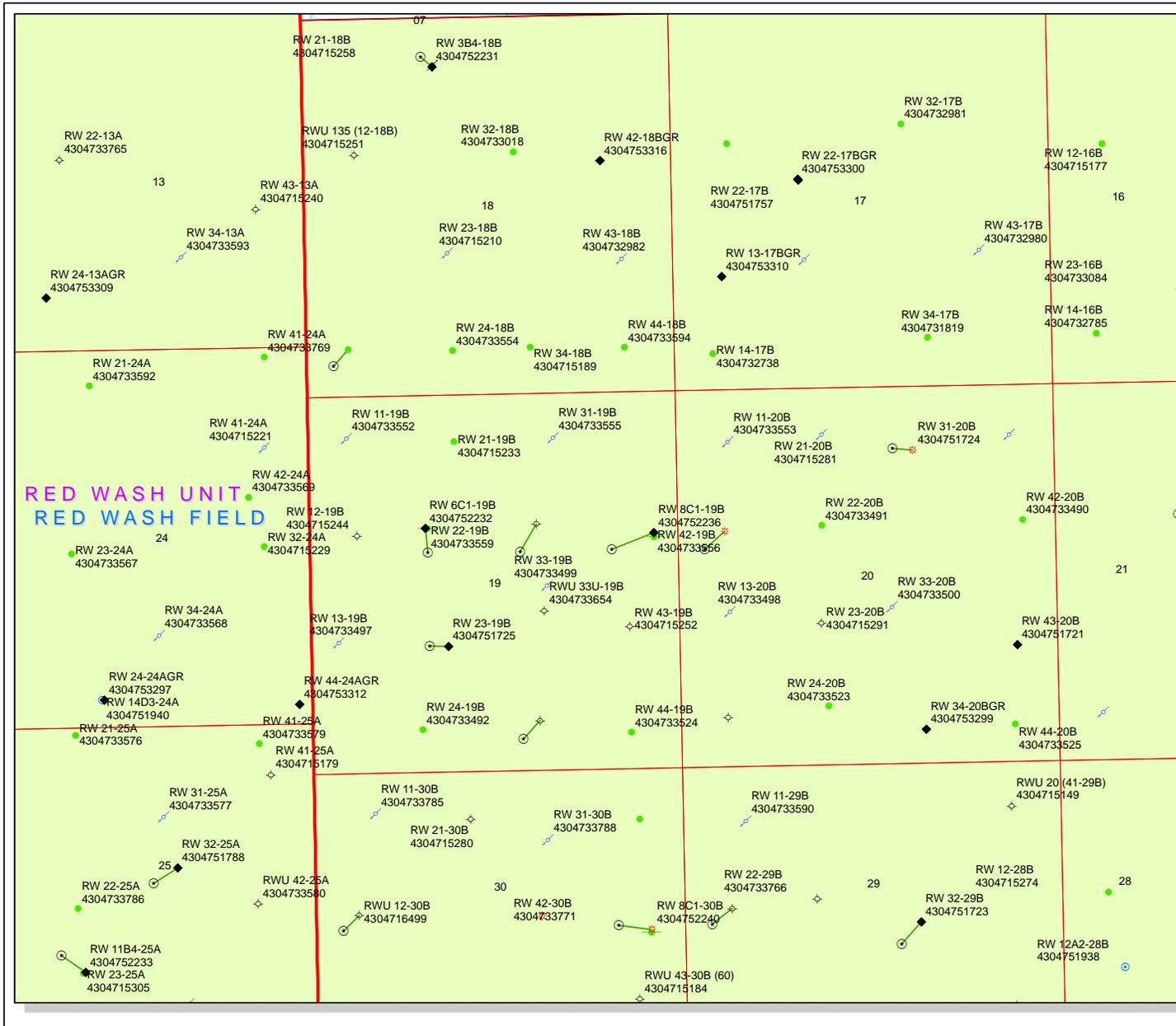
THIS IS A RE-ENTRY OF A PLUGGED AND ABANDONED WELL. QEP ENERGY COMPANY REQUESTS TO CHANGE THE DRILLING PLAN ON THE ABOVE MENTIONED WELL. DRILLING BELOW SURFACE CASING WILL BE WITH WATER BASED DRILLING FLUIDS CONSISTING PRIMARILY OF FRESH WATER, BENTONITE, LIGNITE, CAUSTIC, LIME SODA ASH AND POLYMER. NO CHROMATES WILL BE USED. IT IS NOT INTENDED TO USE OIL IN THE MUD, HOWEVER, IN THE EVENT IT IS USED, OIL CONCENTRATION WILL BE LESS THAN 4% BY VOLUME. MAXIMUM ANTICIPATED MUD WEIGHT IS 9.5 PPG. QEP WOULD LIKE TO OPTIMIZE THE BOTTOM HOLE SPACING OF THE MESA VERDE DEVELOPMENT, THEREFORE, QEP WOULD LIKE TO DRILL THIS WELL WITH A **SMALL STEP OUT** OF +/- 449', BOTTOM HOLE FOOTAGES ARE: 2213' FNL, 2202' FEL, SWNE, SEC. 19, T7S, R23E, 40.196197 LAT, 109.368339 LON. QEP REQUESTS TO **CHANGE THE TD TO 11,481.**

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

**Date:** December 12, 2012

**By:**

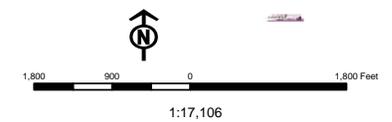
<b>NAME (PLEASE PRINT)</b> Jan Nelson	<b>PHONE NUMBER</b> 435 781-4331	<b>TITLE</b> Permit Agent
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/4/2012	



**API Number: 4304715174**  
**Well Name: RW 32-19B**  
**Township T07.0S Range R23.0E Section 19**  
**Meridian: SLBM**  
**Operator: QEP ENERGY COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

- |                      |                                     |
|----------------------|-------------------------------------|
| <b>Units STATUS</b>  | <b>Wells Query Status</b>           |
| ACTIVE               | APD - Approved Permit               |
| EXPLORATORY          | DRIL - Spudded (Drilling Commenced) |
| GAS STORAGE          | GIW - Gas Injection                 |
| NF PP OIL            | GS - Gas Storage                    |
| NF SECONDARY         | LOC - New Location                  |
| PI OIL               | OPS - Operation Suspended           |
| PP GAS               | PA - Plugged Abandoned              |
| PP GEOTHERM.         | PGW - Producing Gas Well            |
| PP OIL               | POW - Producing Oil Well            |
| SECONDARY            | SGW - Shut-in Gas Well              |
| TERMINATED           | SOW - Shut-in Oil Well              |
| <b>Fields STATUS</b> | TA - Temp. Abandoned                |
| Unknown              | TW - Test Well                      |
| ABANDONED            | WDW - Water Disposal                |
| ACTIVE               | WW - Water Injection Well           |
| COMBINED             | WSW - Water Supply Well             |
| INACTIVE             | Bottom Hole Location - OHGasDB      |
| STORAGE              |                                     |
| TERMINATED           |                                     |



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

## QEP ENERGY COMPANY

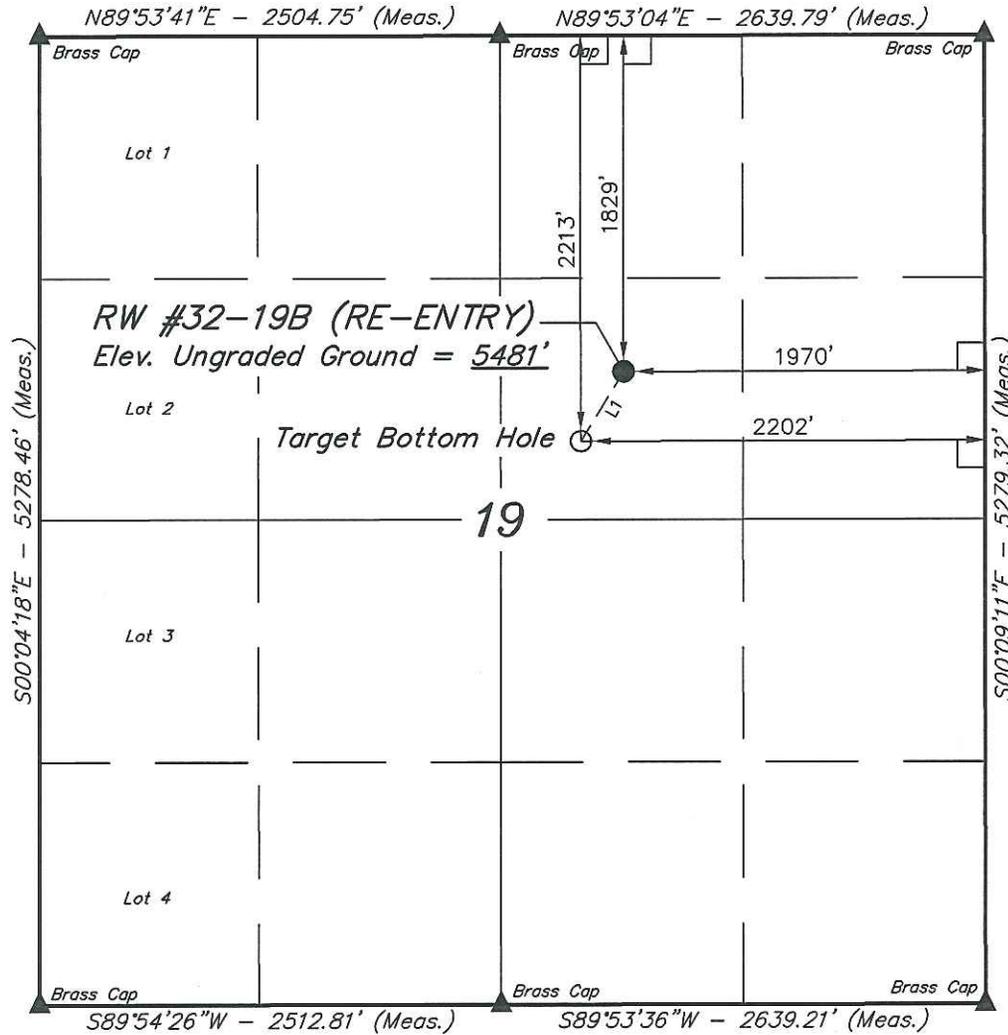
Well location, RW #32-19B (RE-ENTRY), located as shown in the SW 1/4 NE 1/4 of Section 19, T7S, R23E, S.L.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

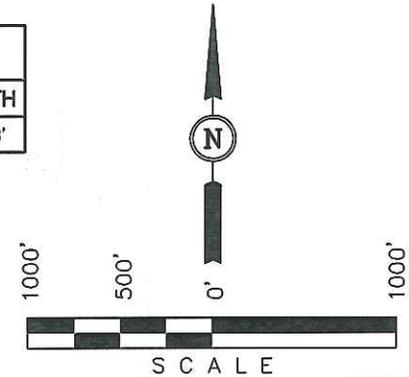
BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

### BASIS OF BEARINGS

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



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S31°07'06"W	448.58'



### CERTIFICATE

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

**ROBERT L. KAY**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

REV: 10-11-12 K.O.

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

### LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 40°11'46.31" (40.196197)	LONGITUDE = 109°22'06.02" (109.368339)	LATITUDE = 40°11'50.10" (40.197250)	LONGITUDE = 109°22'03.02" (109.367506)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 40°11'46.44" (40.196233)	LONGITUDE = 109°22'03.55" (109.367653)	LATITUDE = 40°11'50.23" (40.197286)	LONGITUDE = 109°22'00.56" (109.366822)

SCALE 1" = 1000'	DATE SURVEYED: 04-15-11	DATE DRAWN: 04-19-11
PARTY A.F. J.M. S.R.L.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE QEP ENERGY COMPANY	



QEP Energy Company

## **QEP ENERGY (UT)**

**Red Wash**

**RW 32-19B**

**RW 32-19B**

**Re-Entry**

**Plan: Plan ver.0**

# **Standard Planning Report**

**01 October, 2012**



QEP Energy Company



**QEP Resources, Inc.**  
Planning Report



<b>Database:</b>	EDMDB_QEP	<b>Local Co-ordinate Reference:</b>	Well RW 32-19B
<b>Company:</b>	QEP ENERGY (UT)	<b>TVD Reference:</b>	RKB @ 5494.80usft (AZTEC 781)
<b>Project:</b>	Red Wash	<b>MD Reference:</b>	RKB @ 5494.80usft (AZTEC 781)
<b>Site:</b>	RW 32-19B	<b>North Reference:</b>	True
<b>Well:</b>	RW 32-19B	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Re-Entry		
<b>Design:</b>	Plan ver.0		

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

<b>Site</b>	RW 32-19B				
<b>Site Position:</b>		<b>Northing:</b>	7,247,674.476 usft	<b>Latitude:</b>	40.197250
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,236,035.291 usft	<b>Longitude:</b>	-109.367506
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	1.37 °

<b>Well</b>	RW 32-19B					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	7,247,674.472 usft	<b>Latitude:</b>	40.197250
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	2,236,035.291 usft	<b>Longitude:</b>	-109.367506
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	5,480.80 usft	<b>Ground Level:</b>	5,480.80 usft

<b>Wellbore</b>	Re-Entry				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	10/1/2012	10.88	66.02	52,321

<b>Design</b>	Plan ver.0			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	211.12

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		
5,724.00	0.00	0.00	5,724.00	0.00	0.00	0.00	0.00	0.00	0.00		
5,824.00	0.00	0.00	5,824.00	0.00	0.00	0.00	0.00	0.00	0.00		
6,651.50	16.55	229.54	6,640.04	-77.02	-90.30	2.00	2.00	0.00	229.54		
7,248.12	16.55	229.54	7,211.95	-187.31	-219.60	0.00	0.00	0.00	0.00		
8,351.46	0.00	0.00	8,300.00	-290.00	-340.00	1.50	-1.50	0.00	180.00		
9,116.46	0.00	0.00	9,065.00	-290.00	-340.00	0.00	0.00	0.00	0.00		
9,349.79	3.50	131.00	9,298.19	-294.67	-334.62	1.50	1.50	0.00	131.00		
11,580.76	3.50	131.00	11,525.00	-384.03	-231.83	0.00	0.00	0.00	0.00		



**QEP Resources, Inc.**  
Planning Report



<b>Database:</b>	EDMDB_QEP	<b>Local Co-ordinate Reference:</b>	Well RW 32-19B
<b>Company:</b>	QEP ENERGY (UT)	<b>TVD Reference:</b>	RKB @ 5494.80usft (AZTEC 781)
<b>Project:</b>	Red Wash	<b>MD Reference:</b>	RKB @ 5494.80usft (AZTEC 781)
<b>Site:</b>	RW 32-19B	<b>North Reference:</b>	True
<b>Well:</b>	RW 32-19B	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Re-Entry		
<b>Design:</b>	Plan ver.0		

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	0.00
5,724.00	0.00	0.00	5,724.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,824.00	0.00	0.00	5,824.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,651.50	16.55	229.54	6,640.04	-77.02	-90.30	112.60	2.00	2.00	0.00	0.00
7,248.12	16.55	229.54	7,211.95	-187.31	-219.60	273.85	0.00	0.00	0.00	0.00
8,351.46	0.00	0.00	8,300.00	-290.00	-340.00	423.99	1.50	-1.50	0.00	0.00
9,116.46	0.00	0.00	9,065.00	-290.00	-340.00	423.99	0.00	0.00	0.00	0.00
9,349.79	3.50	131.00	9,298.19	-294.67	-334.62	425.21	1.50	1.50	0.00	0.00
11,580.76	3.50	131.00	11,525.00	-384.03	-231.83	448.58	0.00	0.00	0.00	0.00

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
RW 32-19B (07C1-19B)	0.00	0.00	9,065.00	-328.94	-293.64	7,247,338.658	2,235,749.596	40,196347	-109,368557
- hit/miss target									
- Shape									
- plan misses target center by 60.57usft at 9118.30usft MD (9066.85 TVD, -290.00 N, -340.00 E)									
- Circle (radius 100.00)									

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
5,724.00	5,724.00	7"	7	9

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,119.00	3,119.00	Green River		0.00	
3,977.00	3,977.00	Mahog. Bench		0.00	
6,521.88	6,515.00	Wasatch		0.00	
9,116.46	9,065.00	Mesaverde		0.00	
11,480.58	11,425.00	Sego		0.00	



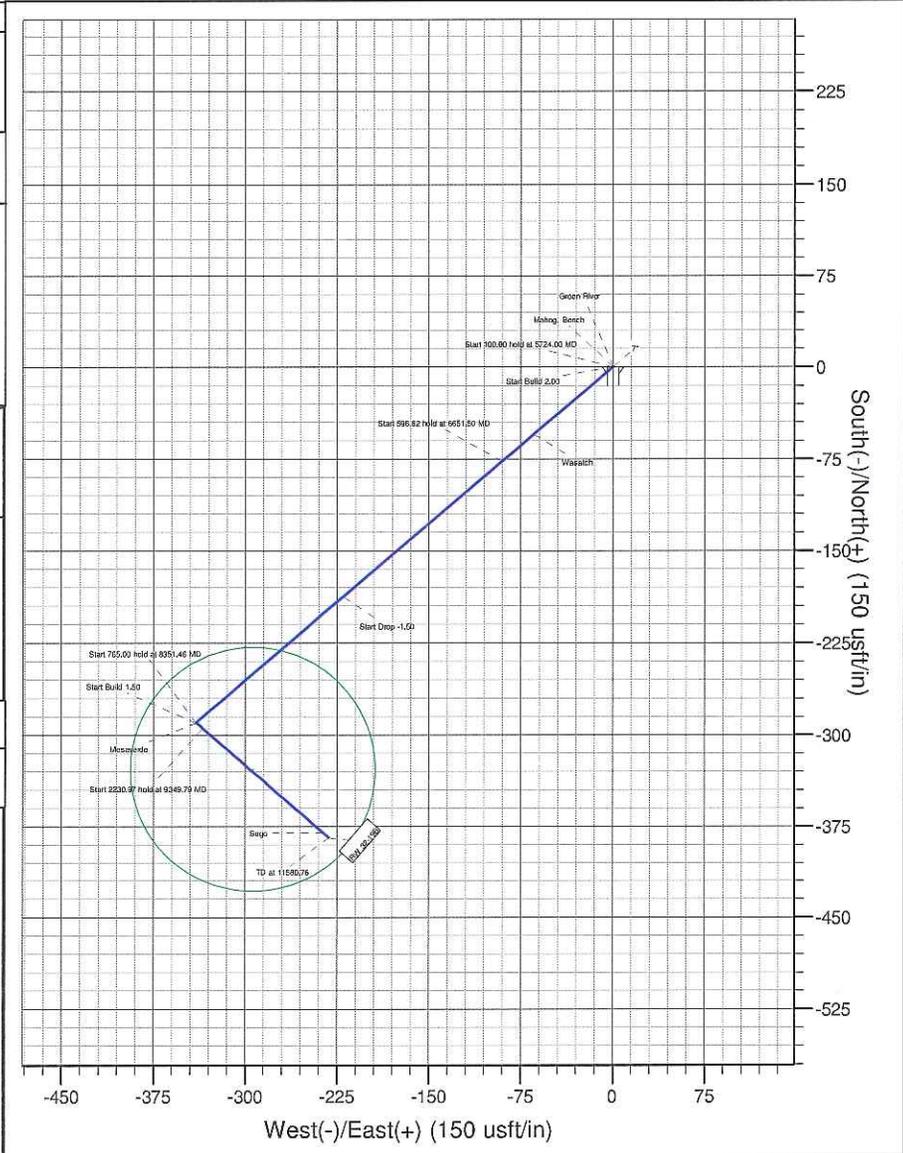
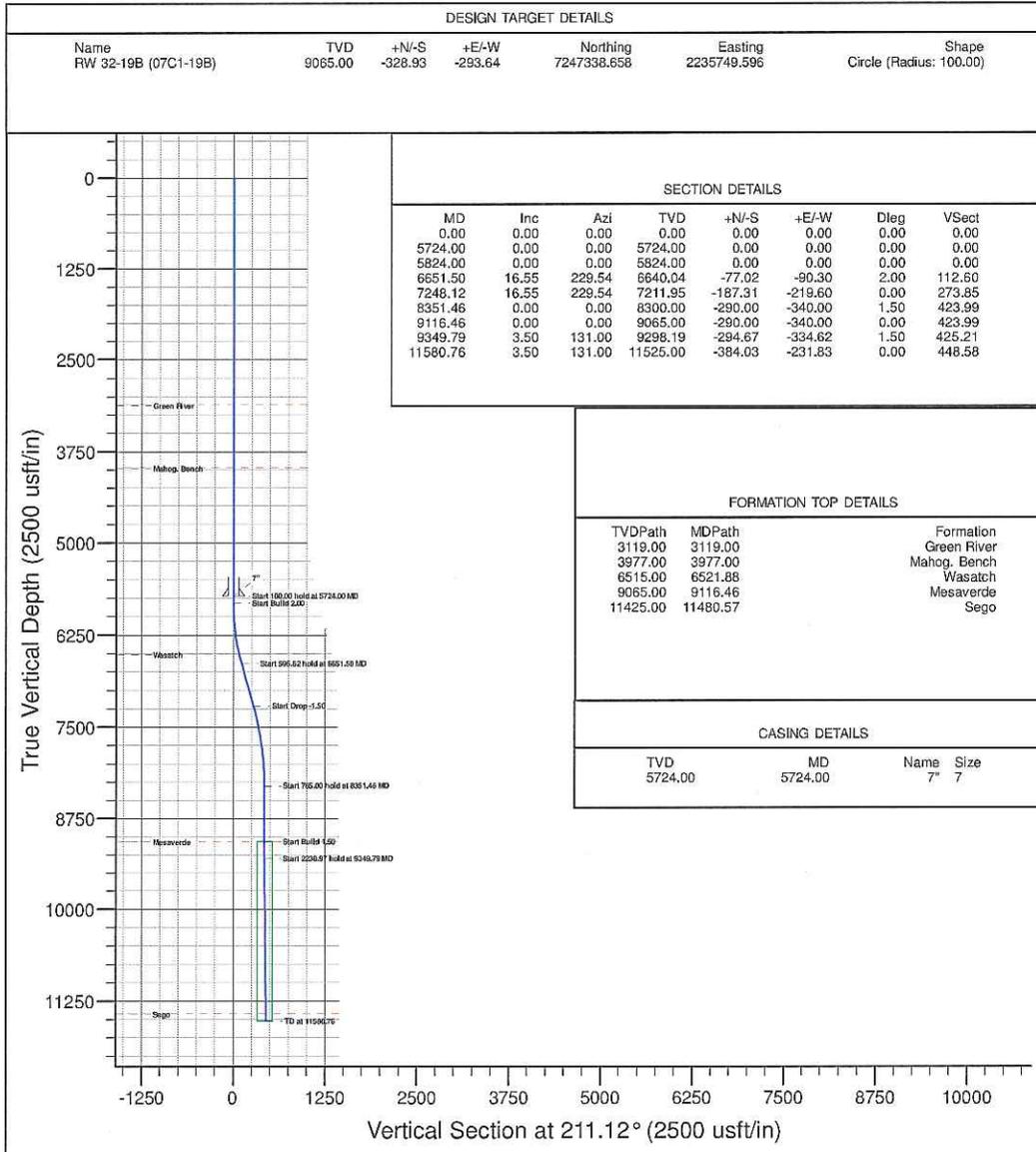
Company Name: QEP ENERGY (UT)



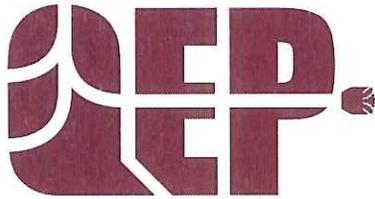
Azimuths to True North  
Magnetic North: 10.88°  
Magnetic Field  
Strength: 52320.9nT  
Dip Angle: 65.02°  
Date: 10/11/2012  
Model: IGRF2010

Project: Red Wash  
Site: RW 32-19B  
Well: RW 32-19B  
Wellbore: Re-Entry  
Design: Plan ver.0

WELL DETAILS: RW 32-19B							REFERENCE INFORMATION		PROJECT DETAILS: Red Wash	
Ground Level: 5480.80							Co-ordinate (N/E) Reference: Well RW 32-19B, True North		Geodetic System: US State Plane 1983	
+N-S	+E-W	Northing	Easting	Latitude	Longitude	Slot	Vertical (TVD) Reference: RKB @ 5494.80usft (AZTEC 781)		Datum: North American Datum 1983	
0.00	0.00	7247674.473	2236035.291	40.197250	-109.367506		Section (VS) Reference: Slot - (0.00N, 0.00E)		Ellipsoid: GRS 1980	
							Measured Depth Reference: RKB @ 5494.80usft (AZTEC 781)		Zone: Utah Central Zone	
							Calculation Method: Minimum Curvature		System Datum: Mean Sea Level	



Sundry Number : 32793 API Well Number : 43047151740000



**QEP Energy Company**

11002 East 17500 South  
Vernal, UT 84078  
Telephone 435-781-4331  
Fax 435-781-4395

[jan.nelson@qepres.com](mailto:jan.nelson@qepres.com)

December 4, 2012

Ms. Diana Mason  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, UT 84114-6100

RE: Directional Drilling R649-3-11  
Red Wash Unit  
**RW 32-19B**  
1829' FNL, 1970' FEL, SWNE, SECTION 19, T7S, R23E(Surface )  
2213' FNL, 2202' FEL, SWNE, SECTION 19, T7S, R23E (Bottom Hole)  
Uintah County, Utah

Dear Ms. Mason:

Pursuant to the filing of QEP Energy Company Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649 -3-11 pertaining to the location and drilling of a directional well.

QEP Energy Company would like to optimize the bottom hole spacing of the Mesa Verde development; therefore, QEP Energy Company would like to drill this well directionally.

Furthermore, QEP Energy Company certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information QEP Energy Company requests the permit be granted pursuant to Rule R649-3-11.

Sincerely,

A handwritten signature in blue ink that reads 'Jan Nelson'.

Jan Nelson  
Permit Agent

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU02030
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: QEP ENERGY COMPANY	7. UNIT or CA AGREEMENT NAME: RED WASH
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	8. WELL NAME and NUMBER: RW 32-19B
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1829 FNL 1970 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 19 Township: 07.0S Range: 23.0E Meridian: S	9. API NUMBER: 43047151740000
9. FIELD and POOL or WILDCAT: RED WASH	COUNTY: UINTAH
9. API NUMBER: 43047151740000	STATE: UTAH

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

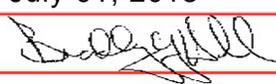
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>6/27/2014</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

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

**Date:** July 01, 2013

**By:** 

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 6/25/2013	



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047151740000**

API: 43047151740000

Well Name: RW 32-19B

Location: 1829 FNL 1970 FEL QTR SWNE SEC 19 TWNP 070S RNG 230E MER S

Company Permit Issued to: QEP ENERGY COMPANY

Date Original Permit Issued: 6/27/2011

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

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

Signature: Valyn Davis

Date: 6/25/2013

Title: Regulatory Affairs Analyst Representing: QEP ENERGY COMPANY

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU02030	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> RED WASH	
<b>8. WELL NAME and NUMBER:</b> RW 32-19B	
<b>9. API NUMBER:</b> 43047151740000	
<b>9. FIELD and POOL or WILDCAT:</b> RED WASH	
<b>9. COUNTY:</b> Uintah	
<b>9. STATE:</b> UTAH	
<b>1. TYPE OF WELL</b> Water Injection Well	
<b>2. NAME OF OPERATOR:</b> QEP ENERGY COMPANY	
<b>3. ADDRESS OF OPERATOR:</b> 11002 East 17500 South , Vernal, Ut, 84078	
<b>PHONE NUMBER:</b> 303 308-3068 Ext	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1829 FNL 1970 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWNE Section: 19 Township: 07.0S Range: 23.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>6/27/2015</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

**Approved by the  
 Utah Division of  
 Oil, Gas and Mining  
 July 01, 2014**

**Date:** \_\_\_\_\_  
**By:** 

<b>NAME (PLEASE PRINT)</b> Valyn Davis	<b>PHONE NUMBER</b> 435 781-4369	<b>TITLE</b> Regulatory Affairs Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/30/2014	



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047151740000**

API: 43047151740000

Well Name: RW 32-19B

Location: 1829 FNL 1970 FEL QTR SWNE SEC 19 TWNP 070S RNG 230E MER S

Company Permit Issued to: QEP ENERGY COMPANY

Date Original Permit Issued: 6/27/2011

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

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

Signature: Valyn Davis

Date: 6/30/2014

Title: Regulatory Affairs Analyst Representing: QEP ENERGY COMPANY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU02030
2. Name of Operator QEP ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 11002 EAST 17500 SOUTH VERNAL, UT 84078		7. If Unit or CA/Agreement, Name and/or No. 892000761D
3b. Phone No. (include area code) Ph: 435-781-4369 Fx: 435-781-4395		8. Well Name and No. RW 32-19B
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 19 T7S R23E SWNE 1829FNL 1970FEL 40.197250 N Lat, 109.367506 W Lon		9. API Well No. 43-047-15174-00-X1
		10. Field and Pool, or Exploratory RED WASH
		11. County or Parish, and State UINTAH COUNTY, UT

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

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

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

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

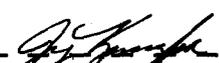
BLM APPROVAL DATE: 11/30/2011

RECEIVED  
AUG 27 2014  
DIV. OF OIL, GAS & MINING

VERNAL FIELD OFFICE
ENGM 8/17/14
GEOL. _____
E.S. _____
PET. _____
RECL. _____

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #222631 verified by the BLM Well Information System For QEP ENERGY COMPANY, sent to the Vernal Committed to AFMSS for processing by LESLIE BUHLER on 10/31/2013 (14LBB2359SE)</b>	
Name (Printed/Typed) VALYN DAVIS	Title REGULATORY AFFAIRS ANALYST
Signature _____ (Electronic Submission)	Date 10/10/2013

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By 	Title Assistant Field Manager Lands & Mineral Resources	Date AUG 05 2014
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office VERNAL FIELD OFFICE

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

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED

**UDOGM**

**Revisions to Operator-Submitted EC Data for Sundry Notice #222631**

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	OTHER NOI	APDCH NOI
Lease:	UTU02030	UTU02030
Agreement:	892000761D	892000761D (UTU63010D)
Operator:	QEP ENERGY COMPANY 11002 EAST 17500 SOUTH VERNAL, UT 84078 Ph: 435-781-4369	QEP ENERGY COMPANY 11002 EAST 17500 SOUTH VERNAL, UT 84078 Ph: 435-781-4032 Fx: 435-781-4045
Admin Contact:	VALYN DAVIS REGULATORY AFFAIRS ANALYST E-Mail: valyn.davis@qepres.com Cell: 435-828-1058 Ph: 435-781-4369 Fx: 435-781-4395	VALYN DAVIS REGULATORY AFFAIRS ANALYST E-Mail: Valyn.Davis@qepres.com Cell: 435-828-1058 Ph: 435-781-4369 Fx: 435-781-4395
Tech Contact:	VALYN DAVIS REGULATORY AFFAIRS ANALYST E-Mail: valyn.davis@qepres.com Cell: 435-828-1058 Ph: 435-781-4369 Fx: 435-781-4395	VALYN DAVIS REGULATORY AFFAIRS ANALYST E-Mail: Valyn.Davis@qepres.com Cell: 435-828-1058 Ph: 435-781-4369 Fx: 435-781-4395
Location:		
State:	UT	UT
County:	UINTAH	UINTAH
Field/Pool:	RED WASH	RED WASH
Well/Facility:	RW 32-19B Sec 19 T7S R23E Mer SLB SWNE 1829FNL 1970FEL 40.197250 N Lat, 109.367506 W Lon	RW 32-19B Sec 19 T7S R23E SWNE 1829FNL 1970FEL 40.197250 N Lat, 109.367506 W Lon

# CONDITIONS OF APPROVAL

## QEP Energy Company

Notice of Intent

APD Extension

**Lease:** UTU-02030  
**Well:** RW 32-19B  
**Location:** SWNE Sec 19 T7S-R23E

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

---

1. The APD extension shall expire on 11/30/15
2. No other extension shall be granted.

If you have any other questions concerning this matter, please contact Michael Riches of this office at (435) 781-4438

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU02030
1. TYPE OF WELL Water Injection Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: QEP ENERGY COMPANY	7. UNIT or CA AGREEMENT NAME: RED WASH
3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078	8. WELL NAME and NUMBER: RW 32-19B
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1829 FNL 1970 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWNE Section: 19 Township: 07.0S Range: 23.0E Meridian: S	9. API NUMBER: 43047151740000
9. FIELD and POOL or WILDCAT: RED WASH	COUNTY: UINTAH
9. API NUMBER: 43047151740000	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <b>6/27/2016</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

**Approved by the**  
**June 29, 2015**  
**Oil, Gas and Mining**

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

NAME (PLEASE PRINT) Valyn Davis	PHONE NUMBER 435 781-4369	TITLE Regulatory Affairs Analyst
SIGNATURE N/A	DATE 6/25/2015	



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

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047151740000**

API: 43047151740000

Well Name: RW 32-19B

Location: 1829 FNL 1970 FEL QTR SWNE SEC 19 TWNP 070S RNG 230E MER S

Company Permit Issued to: QEP ENERGY COMPANY

Date Original Permit Issued: 6/27/2011

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

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

Signature: Valyn Davis

Date: 6/25/2015

Title: Regulatory Affairs Analyst Representing: QEP ENERGY COMPANY

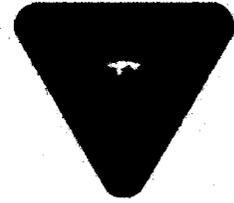


# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Green River District  
Vernal Field Office  
170 South 500 East  
Vernal, UT 84078

<http://www.blm.gov/ut/st/en/fo/vernal.html>



AUG 03 2015

IN REPLY REFER TO:  
3160 (UTG011)

Jan Nelson  
QEP Energy Company  
11002 East 17500 South  
Vernal, UT 84078

Dear Ms. *Nelson*:

The following Applications for Permit to Drill (APD) are being rescinded per your request to this office in an email message to Land Law Examiner Robin R. Hansen received on 7/21/2015. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

*43-0A7*

	Lease	Well	Aliquot	Sec., T., R.	Date Rec'd	Date Apprv'd
<i>15174</i>	UTU-02030	RW 32-19B	SWNE	Sec. 19-T7S-R23E	6/22/2011	11/30/2011
<i>15242</i>	UTU-02030	RW 34-19B	SWSE	Sec. 19-T7S-R23E	6/22/2011	11/30/2011
<i>15252</i>	UTU-02030	RW 43-19B	NESE	Sec. 19-T7S-R23E	7/29/2011	2/27/2012
<i>31581</i>	UTU-0559	RW 22-22A	SENW	Sec. 22-T7S-R22E	7/29/2011	2/27/2012
<i>15280</i>	UTU-02030	RW 21-30B	NENW	Sec. 30-T7S-R23E	6/28/2011	11/30/2011
<i>15172</i>	UTU-02030	RW 23-30B	NESW	Sec. 30-T7S-R23E	6/28/2011	11/30/2011

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding APD processing, please contact Robin Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka  
Assistant Field Manager  
Lands & Resource Minerals

RECEIVED

AUG 19 2015

DIV. OF OIL, GAS & MINING

cc: UDOGM

bcc: Well File  
I&E Asst.

RECEIVED

Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

JUL 02 2015

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

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

5. Lease Serial No. UTU02030 6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

7. If Unit or CA/Agreement, Name and/or No. UTU630100

1. Type of Well Oil Well Gas Well Other: INJECTION

8. Well Name and No. RW 32-19B

2. Name of Operator QEP ENERGY COMPANY Contact: VALYN DAVIS E-Mail: valyn.davis@qepres.com

9. API Well No. 43-047-15174

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

3b. Phone No. (include area code) Ph: 435-781-4369

10. Field and Pool, or Exploratory RED WASH

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

Sec 19 T7S R23E Mer SLB SWNE 1829FNL 1970FEL 40.197250 N Lat, 109.367510 W Lon

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

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

Table with 2 main columns: TYPE OF SUBMISSION and TYPE OF ACTION. Includes checkboxes for various actions like Acidize, Deepen, Production, etc.

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

THIS WELL WAS PLUGGED AND ABANDONED ON 4/27/2009.

FINAL RECLAMATION WAS CONDUCTED. RECENT MONITORING RESULTS SHOW THAT THE RELATIVE DESIRABLE VEGETATION HAS REACHED THE 75% THRESHOLD AS REQUIRED IN THE BLM GRD RECLAMATION GUIDELINES.

BASED ON THESE RESULTS, QEP ENERGY COMPANY REQUESTS APPROVAL OF THIS FINAL ABANDONMENT NOTICE(FAN).

RECEIVED

JUN 13 2016

See attached

DIV. OF OIL, GAS & MINING

Cancelled 6/9/16 by request of Stephanie Tompkinson

VERNAL FIELD OFFICE ENG. GEOL. ES. CY 3/15/16 PET. RECL.

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

Electronic Submission #307905 verified by the BLM Well Information System For QEP ENERGY COMPANY, sent to the Vernal Committed to AFMSS for processing by JOHNETTA MAGEE on 07/07/2015 ()

Name (Printed/Typed) VALYN DAVIS

Title REGULATORY AFFAIRS ANALYST

Signature (Electronic Submission)

Date 07/02/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By Title Date Office

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

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

UDOGM



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

June 23, 2016

Jan Nelson  
QEP Energy Company  
11002 East 17500 South  
Vernal, UT 84078

Re: APDs Rescinded for QEP Energy Company, Uintah County

Dear Ms. Nelson:

Enclosed find the list of APDs that is being rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded as of June 22, 2016.

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

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

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Vernal

RW 23-30B 43-047-15172 (RE-ENTRY)  
RW 32-19B 43-047-15174 (RE-ENTRY)  
RW 34-19B 43-047-15242 (RE-ENTRY)  
RW 21-30B 43-047-15280 (RE-ENTRY)  
RW 12-30B 43-047-16499 (RE-ENTRY)

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Diana Mason <dianawhitney@utah.gov>

## Expired APD's

Jan Nelson <Jan.Nelson@qepres.com>  
To: Diana Mason <dianawhitney@utah.gov>

Wed, Jun 22, 2016 at 8:20 AM

Hi Diana,

The APD's was returned from the BLM for the following:

Well Name	API #
RW 23-30B	4304715172
RW 32-19B	4304715174
RW 34-19B	4304715242
RW 21-30B	4304715280
RW 12-30B	4304716499

Let me know if you have any questions.

Thank you.

**JAN NELSON**  
Sr. Permit Agent, Rockies Division

P 435.781.4331 \ M 435.828.8719

11002 East 17500 South  
Vernal \ UT \ 84078

Jan.Nelson@qepres.com

www.qepres.com

