FILE NOTATIONS

Entered in N I D File	✓	Checked by Chief	✓
Entered On S R Sheet	✓	Copy N I D to Field Office	✓
Location Map Pinned	✓	Approval Letter	✓
Card Indexed	✓	Disapproval Letter	
I W R for State or Fee Land			

COMPLETION DATA:

Date Well Completed	11-8-56	Location Inspected	
OW ✓ WW	TA	Bond released	
GW ~~✓~~ OS	PA	State of Fee Land	

'59 Recompl Rpt ✓ LOGS FILED

Driller's Log 3/15-57

Electric Logs (No.) 2

E 2 I E-I GR GR-N Micro 2

Lat Mi-L Sonic Others

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)

	23		
X			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. [illegible]
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	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)

Vernal, Utah June 25, 1956

Well No. (250) 14-23A is located 660 ft. from [illegible] {S} line and 760 ft. from [illegible] {W} line of sec. 23

[illegible] 23 (¼ Sec. and Sec. No.) T 7 S (Twp.) R 22 E (Range) [illegible] (Meridian)

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

The elevation of the derrick floor above sea level is 5340 ft. est.

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 drill a well for oil in the Basal Green River formation.

The proposed casing program is :
400' 10 3/4" O.D., J-55 casing and cement to surface
Approx. 6000' 2" O.D., J-55 & N-80 casing and cement with a sufficient amount to exclude all potential oil and gas zones.

Est. top of Green River fm. 3100
Est. top of Wasatch fm. 6200

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 [illegible]

Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

(*SUBMIT IN TRIPLICATE*)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. [illegible]
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		Subsequent Report of DST #1	X

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

Vernal, Utah August 23, 1956

Well No. (#50) 11-23A is located 660 ft. from {N/S} line and 760 ft. from {E/W} line of sec. 23

SW NW 23 (¼ Sec. and Sec. No.) 7 S (Twp.) R 22 E (Range) SLBM (Meridian)

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

The elevation of the derrick floor above sea level is 5316 ft. Est.

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 #1 - 2984 to 3032. [illegible] straddle test w/packers. Set @ 2979, 2984 and 3032. Side wall anchor in 7" hole. No [illegible] or [illegible]. (Set tool first to straddle 2964 to 3012 - no seat. Set to straddle 2974 to 3022 - no seat.) Tool opened w/weak blow - increased to fair in 1 min. and remained steady to end of test. Tool open 1½ hrs. Shut in ½ hr. Recovered 180' gas cut drlg mud, 637' water & gas cut drlg mud, 1020' gas cut water.

	IH	IF	FF	SI	FH
Top [illegible]	1500	690	710	1135	1500
Middle [illegible]	1505	500	670	1045	1505
Bottom [illegible]	1050	-0-	-0-	-0-	950

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 R. L. Berry

Title Area Sup't.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

	23		
X			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. [illegible]
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		Subsequent Report of Running 10 3/4" O.D. Csg.	

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

Vernal, Utah August 2, 19 56

Well No. 1-23A (650) is located 660 ft. from {N/S} line and 760 ft. from {E/W} line of sec. 23

NW SW 23 (¼ Sec. and Sec. No.) 7 S (Twp.) 23 E (Range) SLM (Meridian)

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

The elevation of the derrick floor above sea level is 5331.2 ft. D.F.

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)

Ran 11 jts., 465.73', 10 3/4", 40.5#, J-55, 8 rd thd csg to 464.43'. Ran Baker guide shoe and Baker F.C. one jt. apart 41.75'. Welded top of F.C. and all jts. below. Ran 3 ct. low latch on centralizers one above F.C., one above F.C., and one on csg. collar above F.C. Cemented with 215 sx cement. Cement returns to surface. Cemented using Baker process (two plug).

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 A. L. Berry

Title Area Engr.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

	23		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0559
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		Subsequent Report of DST #2	X

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

Vernal, Utah September 27, 1956

Well No. (#50) 11-33A is located 660 ft. from [N] line and 760 ft. from [E] line of sec. 23

SW (¼ Sec. and Sec. No.) 7-S (Twp.) 23-E (Range) SLBM (Meridian)

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

The elevation of the derrick floor above sea level is 5331.2 ft. Gr.

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 #2 - Interval 5556 - 5580. HOMCO straddle test w/pkrs set @ 5551, 5556 @ 5580. Bottom hole anchor in 9" hole. No AC or BHC. Tool opened w/weak blow increasing to fair in 14 min. Remained steady to end. Gas to surface in 62 min. Not enough to gauge. Tool open 1½ hrs. Closed ½ hr.
Recovered: 638' fluids: 338' gas & very sl mud cut oil, 90' sl mud cut oil, 90' sl oil cut mud, 120' water cut mud, tr oil

	IH	IF	FF	SI	FH
Top BT	2870	135	195	1970	2775
Middle BT	2925	155	205	2090	2910
Bottom PKR	3000	-	-	-	2850

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. Merry

Title Area Sup't.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

	23		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. S-0559
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		Subsequent Report of DST #3	1

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

Vernal, Utah September 19, 1956

Well No. 14-23A (#50) is located 660 ft. from [N/S] line and 760 ft. from [E/W] line of sec. 23

SW SE 23 (¼ Sec. and Sec. No.) 7 S (Twp.) 23 E (Range) SLBM (Meridian)

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

The elevation of the derrick floor above sea level is 5331.2 ft. Gr.

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 #3 - 5432 to 5467. Howco straddle test with hook wall anchor in 9" hole. No RC or BHC. Pkrs set at 5427, 5432 and 5467. Tool opened with weak blow, increasing to fair in 16 min. Remained steady to end of test. No gas to surface. Tool open 1½ hrs., closed ½ hr.
Recovered: 45' very slight mud & gas cut oil; 90' mud cut oil; 270' very slight oil & slight water cut mud; 365' water cut mud. Total recovery 770' fluid. Oil recovered was black high pour pt.

	IH	IF	FF	SI	FH
Top PRD	2750	100	320	1655	2675
Middle PRD	2750	100	330	1660	2720
Bottom PRD	2800	-	-	-	2450

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 P. L. [illegible]

Title Area Sup't.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

23

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. 14-0559
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		Subsequent Report of DST #4	X

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

Vernal, Utah September 24, 1956

Well No. 14-23A (#50) is located 660 ft. from {N} {S} line and 760 ft. from {E} {W} line of sec. 23

SE SW 23 (¼ Sec. and Sec. No.) 7 S (Twp.) 23 E (Range) SLBM (Meridian)

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

The elevation of the derrick floor above sea level is 5331.2 ft. Gr.

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 #4 - Set Johnston 8" packers @ 5806, 5812 and 5848 to test interval 5812 - 5848. No BHC or WC. Tool opened with good blow gradually decreasing to faint at end of test. Tool open 2 hrs., SI 30 min. No gas to surface. Recovered 2700' slightly gas cut water, Cl⁻ 3800 ppm, 6200 ppm

	IF	FF	SI	FH	
Top Recorder	10	1000	1935	2690	
Middle Recorder	200	1190	2100	-	(3000 psi recorder)
Bottom Recorder	-	0	-	2600	

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. Berry

Title Area Sup't.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

	23		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0559
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		Subsequent Report of DST #5	X

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

Vernal, Utah October 6, 1956

Well No. (#50) 1-23A is located 660 ft. from {N/S} line and 760 ft. from {E/W} line of sec. 23

SW SW 23 (¼ Sec. and Sec. No.) 7 S (Twp.) 23 E (Range) SLBM (Meridian)

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

The elevation of the derrick floor above sea level is 5331.2 ftGr.

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 #5 - 1½ hr. Howco straddle test. Interval 6091 - 6109. Set packers at 6085, 6091 and 6109 using bottom hole anchor. Valve open 1½ hr., shut in ½ hr. No BHC or WC. Light decreasing blow during test. No gas to surface. Recovered 270' rise, very oily mud becoming thinner downward, bottom testing 1000 ppm Cl⁻.

	IH	IF	FF	SI	FH
Top MT	2995	50	100	680	2850
Middle MT	3000	170	190	695	2915
Bottom MT	3100	-	-	-	3325

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. Smith

Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8487-5

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)

	23		
x			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. [illegible]
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		Subsequent Report of DST #6	X

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

Vernal, Utah October 6, 1956

Well No. (#50) 11-23 is located 660 ft. from {N/S} line and 760 ft. from {E/W} line of sec. 23

SW SE 23 (¼ Sec. and Sec. No.) 7 S (Twp.) 22 E (Range) SLBM (Meridian)

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

The elevation of the derrick floor above sea level is 5328.2 ft. Gr.

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 #6 - 1 hr. 12 min. Open straddle test. Interval 5777 - 5813. Set packers at 5772, 5777 and 5813 using sidewall anchor with tail to 5824. Valve open 1 hr. 12 min. Mod strong blow decreasing to faint at end of test. No gas to surface. No BC or BSC.
Recovered 2370' fluid rise, watery mud grading to clear water.

	IH	IF	FF	SI	FH
Top PT	2775	50	900	2185	2895
Middle PT	2965	70	[illegible]	2205	2930
Lower PT	3000	-	-	-	3000

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. M. Kerry

Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)

23

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. [illegible]
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		Subsequent Report of DST #7	X

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

Vernal, Utah October 7, 1956

Well No. (#50) 11-23 is located 660 ft. from {N/S} line and 760 ft. from {E/W} line of sec. 23

NE NE 23 (¼ Sec. and Sec. No.) 7 S (Twp.) 23 E (Range) SLBM (Meridian)

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

The elevation of the derrick floor above sea level is 5331.2 ft. Gr.

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 #7 - 2 hr. Homco straddle test of interval 5856 - 5932. Set packers at 5851, 5856 and 5887 using sidewall anchor with tail to 5899. No BHT or BC. Valve open 2 hrs., SI 30 min. Medium blow decreasing during test. No gas to surface.
Recovered 1325' rise, gassy watery mud grading to slightly muddy water.

	IH	IF	FF	SI	FH
Top PT	2780	50	569	2110	2758
Middle PT	2860	715	527	1260	2670
Lower PMP	2900	-	-	-	2900

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. Berry

Title Area Supt.

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0559
Unit Red Wash

23

x

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		Subsequent Report of DST #8	X

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

Vernal, Utah October 10, 1956

Well No. 1-23A (#50) is located 660 ft. from {N/S} line and 760 ft. from {E/W} line of sec. 23

SW SW 23 (¼ Sec. and Sec. No.) 7 S (Twp.) 23 E (Range) SLBM (Meridian)

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

The elevation of the derrick floor above sea level is 5331.2 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 #8 - 5070 - 5092. Open straddle test with airwell cover. No BC or BH. Tool opened with fair blow decreasing during test. No gas to surface. Tool open 1½ hrs., shut in ½ hr. Recovered 1330' watercut mud, grading to water.

	IH	IF	FF	FI	FH
Top BT	2435	76	453	1846	2435
Middle BT	2410	245	515	1820	2355
Bottom BT	2500	-	-	-	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 455

Vernal, Utah

By P. L. Berry

Title Area Sup't.

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

	23		
X			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0559
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		Subsequent Report of DST #9	X

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

Vernal, Utah October 10, 1956

Well No. (#50) 14-23A is located 660 ft. from [N] [S] line and 760 ft. from [E] [W] line of sec. 23

SW SW 23 (¼ Sec. and Sec. No.) 7 S (Twp.) 23 E (Range) SLBM (Meridian)

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

The elevation of the derrick floor above sea level is 5331.2 ft. Gr.

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 - 5040 - 5055. [illegible] Straddle test with sidewall anchor. No [illegible] or [illegible]. Tool opened with fair blow decreasing during test. No gas to surface. Tool open 1½ hrs., shut in ½ hr. Recovered 1560' gas and water cut mud, grading to water.

	IH	IF	FF	SI	FH
Top BT	2435	85	670	1820	2480
Middle BT	2460	270	670	1795	2460
Bottom PRD	2550	-	-	—	2550

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. Merry

Title Area Sup't.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

"In lieu of Form 9-330"

COMPLETION REPORT — NEW WELL

STANDARD OIL COMPANY OF CALIFORNIA

FIELD: Red Wash

PROPERTY: Section 23

WELL NO: 14-23A (50)

Sec. 23 T. 7 S R. 22 E SL B. & M.

LAND OFFICE: Salt Lake City

LOCATION: 660' N & 760' E from SW corner

LEASE NO: U-0559

ELEVATION: 5343.20 K.B.

D. F. is 12.20' above ground

DATE: February 28, 1957

By J. T. CROOKER
Manager, Producing Department

DRILLED BY: Kerr McGee Oil Industries

DATE COMMENCED DRILLING: August 17, 1956

DATE COMPLETED DRILLING: November 8, 1956

DATE OF INITIAL PRODUCTION: February 3, 1957

PRODUCTION:

Daily average, 1st	30	days	Gravity	26.0	° API	Pumping	X
Oil	135	Bbls.	T. P.	100	PSI	Flowing	
Water	8	Bbls.	C. P.		PSI	Gas Lift	
Gas	825	Mcf.	Bean		/64"		

SUMMARY

TOTAL DEPTH: 6245'

PLUGS: 6138'

CASING: Conductor 16" cemented @ 25'
10 3/4", 40.5#, J-55 cemented @ 449'
7", 23#, J-55 and N-80 cemented @ 6229'

C.P.'D. 5600 - 5603'
Perf'd. 6097 - 6112
5744 - 5752
5571 - 5581
5533 - 5538
5444 - 5464

JUNK: Baker retrievable bridge plug, top of stinger 6109.5', top of upper packing element 6111'

LOGS RUN:

Schlumberger Electric Logs.
Run 1 6244 - 448'

Schlumberger Microlog
Run 1 4687 - 450'
Run 2 6242 - 4400'

McCullough Gamma Ray
Run 1 6138 - 4900'

MARKERS:

Top Green River:	3010'
H Point:	5028'
K Point:	5687'

WELL NO: 14-23A (50) PROPERTY: Section 23A RED WASH FIELD

HISTORY

Subject well 14-23A (5) was completed November 1956, exposing the lower Green River formation thru selected intervals from 5444 to 6112 ft. for an IP of 135/8 B/D and 825 MCF/D gas. Subsequently the oil production declined to 41/0 B/D and gas oil ratio increased to 12,100 cu. ft. per bbl during May 1958. This well has been shut in since May 1958.

It is proposed to re-enter well and exclude gas by sealing perfs 5104-5148 with cement, and return well again to production.

PROGRAM

1. Move in contract well pulling outfit and kill well with salt water.
2. Pull rods.
3. Install BOPE. (NOTE: Keep well full at all times.)
4. Pull tubing. Fill hole after each 20 stands are pulled.
5. Run and set Halliburton cast iron bridge plug on tubing at 5650'.
6. Run McCullough dump bailer and dump 3 sacks cement on bridge plug at 5650'.
7. Re-run tubing and hang at approximately 5550'. Install offset head. Displace salt water with burner fuel.
8. Run rods and place well on production.

WORK DONE

February 14, 1959
R & R Well Service moved in and rigged up.

February 16, 1959
Displaced well fluid with 300 bbl salt water.
Pulled rods and pump.
Pumped 100 bbl salt water down 7" casing with no returns to surface.

February 17, 1959
Tried to establish circulation by pumping down tubing. Tubing pressure increased to 1000 PSI.
Installed BOP.
Ran scraper.

February 18, 1959
Circulated parafin and gas out of hole and hit fill at 6090.

February 19, 1959
Set Howco Bridge plug @ 5650'. Cast iron bridge plug ran on tbg. Dropped seal plug and tested w/600 PSI. Held okay.
McCullough set 3 sx cement on top of bridge. Checked top of bridge at 5648'.
Ran 2½" tubing and landed at 5647' with P.S.N. at 5605'

WELL NO: 14-23A (50) PROPERTY: Section 23A RED WASH FIELD

Detail:

KB to Tbg head	12.00	
Top 176 jts	5491.62	2½" EUE 6.5# J-55 tbg.
Next PSN	1.10	
Next 1 - 4' & 1 - 8' Pup	12.00	2½" EUE 6.5# J-55 tbg.
Gas Anchor	30.00	2½" EUE slotted gas anchor
	5546.72	

February 20, 1959
Removed BOP.
Ran rods and pump.
Detail:
1 - 22'x 1½" Poney rod
2 - 4' x 7/8" Poney rod
75 - 25 x 7/8" Rods w/huber
71 - 25 x 3/4" Rods w/huber
73 - 25 x 3/4" Rods plain.
R & R Well Service released.

T. R. HULL

WELL NO.: 14-23A (50) PROPERTY: Section 23A RED WASH FIELD

Drill Stem Tests:

#1 Howco Straddle Test	2984 - 3032
#2 Howco Straddle Test	5556 - 5580
#3 Howco Straddle Test	5432 - 5467
#4 Johnston	5812 - 5848
#5 Howco Straddle Test	6091 - 6109
#6 Howco Straddle Test	5777 - 5813
#7 Howco Straddle Test	5856 - 5882
#8 Howco Straddle Test	5070 - 5092
#9 Howco Straddle Test	5040 - 5055

WORK DONE

0' - 25', 16" conductor cemented with 30 sax.

August 17, 1956.

Kerr McGee Oil Industries moved in and rigged up.

Spudded 12:01 a.m., August 17, 1956.

Dug cellar and conductor hole w/dry hole digger.

Drilled 13 3/4" hole, 4½" F.H. drill pipe, water as drilling fluid.

25' - 455' 430' Drilled.

Casing Detail

All	10 jts.	433.48'	10 3/4", 40.5#, J-55, 8 rd thd. Includes Baker WDW guide shoe & float collar.
Total	10 jts. or	433.48'	
Landed below K.B.		15.25'	
Cemented @		448.73'	

Stood cemented 21 hours.
Tested master gate w/1400# psi water, tested BOP & all valves to 1400# water pressure.
Held o.k.

August 18, - August 29, 1956.

Drilled 9" hole, 4½" drill pipe. Drilled with water to 3000', 9.0 - 9.6#/gal mud below 3000
455' - 4990' 4535' Drilled.

August 21, 1956.

Lost returns @ 3146'. Lost approximately 100 bbls. mud. Drilled 1/4 hr without returns.
Pulled out and ran sack plug. Regained circulation.

WELL NO.: 14-23A (50) PROPERTY: Section 23A RED WASH FIELD

WORK DONE

August 23, 1956.

DST #1 - Howco Straddle test of interval 2484 - 3032' w/packers @ 2979, 2984 & 3032.

Side wall anchor in 9" hole. No WC or BHC. (Set tool first to straddle 2964 to 3012 - no seat. Set to straddle 2974 to 3022 - no seat.) Tool opened 1½ hrs. SI ½ hr.

Tool opened w/weak blow - increased to fair in 1 min and remained steady to end of test. Recovered 180' gas cut drilling mud 651' water and gas cut drilling mud; 1020' gas cut water.

Charts:	IH	IF	FF	SI	FH
Top BT	1500	490	710	1135	1500
Middle BT	1585	590	670	1045	1585
Bottom PRD	1050				850

August 29, 1956.

Ran Schlumberger Microlog. Recorded 4687 - 450'.

Setpember 4, 1956.

Core #1 - 4990 - 5080' - Recovered 90'

4990 - 4998 - Sh, dk br/bl, s-wxy, mod hd, sl "poker chip", sl dolic wi irr incl & lam dol, gr-brn, shy; dull yel min flsnce.

4998 - 5000 - Sh, blk, ch erty, carb, sl slty, "poker chip", mod hd, no flsnce, irr ptg, dolic sh, rd-blk

5000 - 5004½ - Sh, dk gr/blk, s wxy, sl dolic, slty, tends to sl "poker chip", irr incl, ptg & lam dolic sh, dull min flsnce

5004½- 5005½ - 12" Sh, dk gr/blk, erty, dolic, carb incl, mod hd, ptg & lam, brn ost dol

5006½- 5011½ - Sh, dk olive-gr/blk, dolic wi non-dolic stks, slty, mod hd, dull yel min flsnce, lam & irr incl ss, qtz, lt gr, f g, sr, pt slty, fair/gd sort, well cem wi calc mat, hd, ti, NSOF

5011½- 5012½ - 12" Sh, blk, erty, carb, poker chip, mod hd

5013 -5016½ - Sh, med/dk gr, sl calc, slty, mod hd; stks, ptg & lam sltst, med gr calc, hd; dull yel-brn/yel min flsnce

5016½- 5017½ - 12" Sh, dk grn-blk/blk, sl dolic, mod hd, "poker chip",

5018 - 5024 - Sltst, med gr, dolic, hd, wi fw lam & ptg med/dk gr sh, dull yel min flsnce. (Frac, mud stn, NSOF)

5024 - 5029 - Sh, dk gr/blk, sl dolic, mod hd, "poker chip", fw ptg med gr sltst

5029 - 5030 - bcm incr slty (Frac, closed, NSOF)

5030 - 5039 - Sh & Sltst inlam; Sh, dk grn-gr, s-wxy, mod hd, med br yel flsnce, no cut. Sltst, gr-brn, dolic, hd, scat mod sd g

5039 - 5041 - Sltst, med grn-gr wi brn stks & incl, sl dolic, hd, mod br yel min flsnce, NS

5041 - 5043 - Ss, lt/med gr, vf/f wi scat crs g, sa/sr, com blk min s, fair sort, por 12-15, gd perm, fw scat spots canary yel flsnce, rapid cut lt bl-yel, no pet odor

5043 - 5044½ - 18" Ss, ab, even dk brn stn, br canary yel flsnce, cut rapid lt bl-yel, burnt odor. (Frac, closed, even dk brn stn, br canary yel flsnce, cut rapid lt bl-yel)

bcm pred med g, slty, p sort

5045½ - 5050 - Sh, med/dk grn, slty, calc, fw scat incl lt brn dol
5050 - 5057½ - Sh, med grn/dk olive, slty, dolic wi many lam & irr incl sltst
(Frac, open, mud stn, NSOF)
5057½ - 5064 - Sltst, lt/med grn, dolic, hd wi stks ost dol & dk grn, slty sh, com pyr, scat sd g.
bcm incry shy
5064 - 5071½ - Sh, dk grn/blk-grn, v slty, pyr, dolic, mod hd, com ptg sltst, tend to poker chip
5071½ - 5075½ - Ss, med gr, vf/f wi scat med g, v slty, p sort, v well cem, clac cem, fw grn sh lam, hd, por 5-10, ti, spot br yel flsnce, rapid cut lt bl-yel, no odor. (Frac, part open, NSOF)
bcm incr slty
5075½ - 5077 - Sh, v dk grn, slty, mod hd
5077 - 5080 - Ss, med gr, f g, sr/sa, slty, fair sort, mod hd, calc cem, fw sh ptg, por 12-15, low/fair perm, sl bleed oil, spot dk brn stn, spot br yel flsnce, rapid cut lt bl-yel, fnt pet odor, sl musty
bcm even dk brn stn, spot br yel flsnce & yel-brn flsnce, rapid cut br bl-yel, burnt odor

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Core #2 - 5080 - 5170 - Recovered 90'
5080 - 5085 - Ss, gr, patchy (25%) stn dk brn/dk gr, f/m, sa/sr, hd, fair sort, cln wi abd f/m gr/blk sphs, 15% por, fair/gd perm, ltl red-brn oil, patchy erty yel flsn, inst silvery-gr cut. Odor burnt/musty, petrf in part, looks wet
aa, wi scat chky tn dol lumps & scat th Sh inlams
bcm vy f/f, perm, lam, low/ti, NSOF
5085 - 5089 - Sltst, gr, v hd, dns, sl marbled wi sl arg, dk'er gr swirls
Sltst, aa, v hd, bcm incr'ly & thinly inlam'd wi Sh, dk grn-gr, mod hd, slty in part
(core badly vroken)
5089 - 5091 - Spherulite, dk gr, aggregate of f bl-blk r, ev-sort "shot", scat f, a qtz sd, calc cem, hd, well-ind, ti/tr perm, 12-15% por, v fnt dk min flsn, NS
5091 - 5097 - aa, incr'ly sdy to 60% f, a/sa, ev-sort qtz sd, scat tn chky dol lumps to ½", low/good perm, 15% por, looks wet, sl musty to burnt odor, NS
(Frac, clean)
(Frac, cln, wet)
grading to
5097 - 5100 - Ss, gr/dk gr, vf/f, sa, well-sort, mod hd, mainly cln wi com f/m blk sphs aa, 15-17% por, fair/good perm, looks wet, sl musty to burnt odor, NSOF
5100 - 5105 - Ss, aa, slty, closely reworked in swirls wi dk olive-brn, slty Sh, rare th lams, tr/low perm, rare strs yel flsn, slow cut where sh assoc w/ss-sltst, no odor
(Fracs, mud stn'd)
5105 - 5110½ - Sltst, gr, hd, swirled & complexly reworked wi Sh aa, rare str yel flsn aa, no odor
bcm dom Sh, dk grn-blk, ltl dk olive-brn, sft, fw th lams Sltst, gr, hd, arg

WELL NO.: 14-23A (50) PROPERTY: Section 23A RED WASH FIELD

5110½- 5111 - 6" Sltst, dk gr, v hd, cln
5113 - 5117 - Sltst, gr, hd, closely inlam'd & sl reworked wi Sh, dk grn-gr/dk brn-blk, sft, rarely slty
5117 - 5118 - Sh, m grn/olive brn, dns, hd, dolic in part, slty in scat patches
5118 - 5121 - Ss, lt gr wi 80% patchy lt brn stn, vf/sltst, sa, ev-sort, hd, cln, wi scat patches chky buff dol, 12% por, ti, patchy erty yel flsn, fnt cut, fnt petrf odor, sl gassy
(3" Sltst & slty Sh, gr & grn-gr, hd)
(Frac, cln, sl lt brn oil stn'd)
5121 - 5122 - Sltst, gr/lt gr, hd, sdy, sl arg, dns, NSOF
5122 - 5125 - Sh, dk grn-gr, hd, dns, v finely slty, tr diss pyr
bcm olive-grn, hd, sl dolic
5125 - 5131 - Sltst, gr, hd, sdy, rare th strs gr vf ss wi patchy lt brn stn & fnt pet odor, intimately & irreg'ly inlam'd & sl reworked wi th dk olive-brn slty sh. Sltst dominant
(Frac, opn, mud-stn'd)
5131 - 5135 - Sh, dk grn-blk, sft, dns, sl poker-chip
5135 - 5138 - (14" Dol, tn/lt brn, amorph, dns, complexly swirled & reworked wi olive-tn sh to pseudo-algal appearance, 5% por, ti, ltl pin-pts brn free oil on internal fracs, dull erty yel flsn, fair str cut, good pet odor)
Sltst, gr/dk gr, hd, arg, th'ly inlam'd wi dk grn-blk sh, sl slty,
5138 - 5144 - Ss, dk gr, vf/slt, sa, good sort, hd, well ind, abd bcm com f blk sphs, ltl calc cem, 12% por, ti wi scat 1-2" lam, low perm, patchy (20%) dk stn wi dull gr-tn flsn, fair dull gr cut, fnt petrf odor
aa, bcm inlam'd wi scat pap-th dk brn micac sh ptgs
5144 - 5147 - Sltst, lt gr, hd, sdy, threaded & closely reworked wi olive-brn Sh, slty, finely micac. (90% Sltst.)
bcm dom dk olive-brn sh, slty, mod hd wi finely reworked sltst, aa.
5147 - 5151 - Sh, dk olive-gr, mod hd, sl slty, few scat pap-th inlams gr Sltst
5151 - 5154 - Ss, lt gr-wh, vf/sltst, a/sa, ev-sort, hd, well ind, cln wi scat f/vf blk gs & sphs, com pap-th, sl reworked inlams dk olive-gr slty sh, 10% por, ti, NSOF
bcm f/vf, com arg cem, ti, NSOF
(Frac, mud stn'd)
5154 - 5156 - Sh, m grn-gr/gr, sft, dns, rare v th inlams sltst
5156 - 5158 - Sltst, lt gr-gr, sdy wi scat 1-2" zones vf ss, tr perm; scat 2-4" zones arg, few pap th dk gr sh ptgs
(Frac, sl mud stn'd)
5158 - 5160 - Ss, lt gr, vf/f, a/sa, fair sort, hd, cln wi scat f blk gs, 15% por, ti/tr perm, NSOF
5160 - 5160½- Sh, dk gr, sft, btl & Sltst, gr, hd, irreg inlam'd & sl reworked
5160½- 5163 - Ss, lt gr, vf/f, a/sa, good sort, hd, cln wi scat f blk gs, few pap th inlams dk gr-brn slty, micac sh, sl reworked, 15% por, ti/tr perm, NSOF
grading to
5163 - 5166 - Sltst, lt gr, hd, v finely sd, cln, irreg'ly "varved" wi sl reworked pap-th dk brn/olive brn slty sh
5166 - 5169½- Ss, lt gr wi scat patchy m brn stn, vf/f, sa/sr, fair-sort, hd, well ind, com f/m gr/blk sphs, tn/brn sphs, scat th brn arg incls & inlams, 12% por, ti/tr perm, ltl dull yel-wh patchy flsn, tr cut, fair pet odor in part
bcm dns, dolic cem, no sh inlams or incls
5169½- 5170 - Sltst, lt gr/gr, hd, arg, sdy

WELL NO.: 14-23A PROPERTY: Section 23A RED WASH FIELD

Core #3 - 5170 - 5251 - Recovered 80.5'

5170 - 5172½ - Ss, lt gr, v/vfg, sa/sr, well sort, well cem, hd, calc cem, th dk br sh ptgs, com carb frg, 12-13% por, tr/low perm, NSOF

5172½- 5174½ - 6" Ss as in top of core
Sh & Ss, Sh, dk br-blk, m hd, com carb frgs, ss aa, vfg, bcm prd ss
3" str Ss aa

5174½- 5175½ - Ss, lt gr, vfg, r/sr, well sort, well cem, hd, calc cem, th dk br sh ptgs, 14% por, low perm, app wet, tn min flsn, NS

5175½- 5177 - Sltst & Sh, Sltst, lt gr, hd, aa, grdg in 9" to Sh, dk brn-blk, hd, carb

5177 - 5178½ - Ss, lt gr, vf/m, scat crs g, p sort, a/sa, well cem, hd, calc cem, dol ools, sphs, com osts, 10% por, low perm, NSOF
grades to Sltst & Sh, aa, slt closely reworked

5178½- 5180 - Ss, lt gr, f g, sa/sr, well sort, well cem, hd, abd sphs, sugary appearance, 15% por, good/excel perm, musty odor, NS

5180 -5181 - Ss, aa, wi partial stn, spot yel flsn, bcm f/mg, f/p sort,
Inbd Sltst & Sh aa

5181 - 5182 - Ss, lt gr, f/m gr, sa, fair sort, well cem, hd, m fri, comf sphs, partially stn'd, 18% por, gd perm, app wet, musty odor, gold flsn, inst silvery bl cut

5182 - 5192 - Ss aa, except NSOF & bcm fg, and tighter
(5" aa, except vf cln, 12% por, tr perm)
(6" aa, except vf, cln, 12% por, tr perm, NS)

5192 - 5194 - Ss, aa wi str to ¼" dk br sh

5194 - 5199½ - Ss, lt gr, f/mg, sa, p sort, well cem, hd, abd fine buff dol ools, patchy clay cem, 85% stn, fair odor, 12-15% por, fair/low perm, patchy yel flsn, inst silvery-bl cut
aa except bcm vfg wi increased amts of intl mat, NSOF
aa wi com stk dk br sh

5199½- 5205 - Ss, dk gr, vfg, well sort, well cem, hd, dns, calc cem, abd vf sphs, low por & perm, NSOF
aa except strk app, more perm, wi dk br stn, gold flsn & inst silvery bl cut, musty odor
aa becm tighter wi NSOF

5205 - 5211 - Ss, aa, vf, com arg stkr to v th sh lams, 12-15%, ti to tr perm, NS

5211 - 5224 - Sh & Sltst, sltst gr, hd, sh dk gr-blk, slt in part, irreg v th inlam
bcm pred Sh, aa
(1' Sltst aa,)

5224 - 5229 - Sh, dk gr-blk, mod sft, irreg frac

5229 - 5230 - Spherulite, dk bl-gr, aggregate, dk gr/blk, f, sr/r, "ools" wi 20% vf/f a qtz, hd, well ind, v dull, tr min flsn, 12-15% por, ti/tr perm, NS

5230 - 5237 - Ss, lt gr, vfg, sa, well sort, well cem, hd, abd sphs, rare dk pap th sh inlams, 14% por, low perm, NSOF
aa grdg to Sltst, vf sdy, lt gr, hd, calc wi com pap th inlams slt sh

5237 - 5238 - Spherulite, dk bl-gr, agg, f/mg, dk gr-blk sphs, scat f/m qtz a, hd, com dol cem, scat ost, bone frg, tr cht, scat crs, ang g, NS

5239½- 5245 - Ss, gr-tn, vf/f, a/sa, gd sort, hd, v dolic, com vf/m tn dol ools, scat dk gr g to 5mm, 12% por

5245 - 5247 - Ss aa, bcm m gr, vf/m, p sort, less dol, (com ools, sphs) than above

5247 - 5250 - grading to spherulite as 5137' above,

5250 - 5250½ - bcm Ss, gr wi fnt ev brn stn, f/m, a/sa, ev sort, m sft, fria, abd vf sphs, 17% por, fair perm, flk rd-brn intgr oil, 90% lam yel flsn, inst silvery cut, musty odor, app wet
½' No rec.

WELL NO.: 14-23A (50) — PROPERTY: Section 23A — RED WASH FIELD

Core #4 - 5251 - 5315 - Recovered 64'

5251 - 5253 - Ss, gr vf/mg, a/sa, p sort, m sft, fria, com sphs, th sh ptgs, 13-16% por, gd perm, musty odor, looks wet, NSOF

5253 - 5254 - Ss, aa, alternating in str to 1½ wi vfg ss, gr, well sort, hd, dol, com sphs, dk sh inlams, 10% por, low perm

5254 - 5263 - Ss, as in top of core except m/crs g, wi dol lumps & ools, ost & carb frgs, 14-15% por, excel perm, com th strs to 1" vfg ss aa wi sh inlams
aa, wi com th stn str having no flsn, immed yel cut

5263 - 5266 - Ss, lt gr, v/vf, a/sa, well sort, dol cem, reworked dk sh inlams, abd vf sphs, com ost, 12% por, low lam perm, th strks stn'd aa
Grades to Ss, aa, except f/g, sug tex, has fewer sh inlams, 12% por, fair perm

5266 - 5266½ - Bcm Ss, aa, except f/m g, wi ltl intl mat, com sphs, rare osts, 16% por, fair perm, looks wet, NSOF

5266½ - 5272 - Ss, aa, except vf/fg, dol cem, 10-12% por, v low/tr perm, dk sh inlams reworked
rare stn in th sh lams having brn flsn, pale yel cut

5272 - 5274 - Ss, aa, except bcm incr fg wi more frequent & thicker sh inlams, rare stn, strs, aa

5274 - 5275 - 1" zone, v dol, fnt pet odor, yel flsn, silver cut
Sh, dk br-blk, mod sft wi th strs gr ss, aa

5275 - 5277 - Sh & Ss, Sh aa; Ss, dk gr, vf/f g, a/sa, p sort, hd, v dol, abd osts & ools, abd blk vf sphs, 10% por, v low perm, NSOF
Sh & Ss in th strs closely reworked

5277 - 5279 - Ss, lt gr, f/vf, sa, fair sort, hd, dol cem, abd blk v f sphs, 10% por, tr perm, NSOF

5279 - 5282 - Ss aa, except vfg wi abd intl dol, incr Sh, dk inlams to ¼"

5282 - 5290 - Reworked Ss & Sh, Ss lt gr, vf/f, a/sa, gd sort, abd v/f blk sphs, dol, 10% por, ti/low perm, NSOF. Sh gr-br, mod sft, irreg frac
grdg to entirely Sh aa, mod hd, btl, poker chip

5290 - 5291 - Ss, aa

5291 - 5292 - Ss & Sh, aa, broad to finely inlam'd
3" Spherulite, dk bl gr, calc cem, rarely sdy, abd osts

5292 - 5297 - 1½" Ost, sub coq, calc cem, scat dol sh strs, ti,
Sh & Sltst, Sh aa, Sltst, gr, hd
bcm sh aa

5297 - 5299 - Ost Coq, lt gr-buff, abd arg dol cem, scat v/f sand, 5% por, ti
1" stk Sh, (some stn, fnt pet odor, lt yel flsn, bl cut in coq, near sh contact)

5299 - 5301 - Ss, f/vf, a/sa, fair sort, hd, v dol, abd f blk scat f/vf sphs, abd osts, 10% por, ti, NSOF Except th strs lt br stn

5301 - 5303 - Sltst & Sh; Sltst dk gr, hd, dol; Sh, dk brn blk alternating in th strs

5303 - 5307 - 4" Sh, aa
Ss, gr, vf/f, sa, f sort, hd, abd tn osts, concentrated to ost coq on th lams. Abd v/f sphs, 10% por, ti/tr perm

5307 - 5309 - Ss, lt gr, f/vf, sa/sr, fair sort, hd, sl dol, abd blk vf sphs, com osts,
Sh, lams, reworked, 12% por, low/tr perm,
(Frac, cln, sl stn re-br oil, NS/70% lam stn wi yel flsn, silvery bl cut, gd pet odor where stn)

5309 - 5312 - Ss, lt gr, vf/sltst, well sort, hd, abd peppered vf blk g, com finely reworked wi dk gr slty sh, 8-11% por

5312 - 5315 - Reworked Sh & Sltst, Sh br-blk, m hd, irreg frac intimately and closely reworked

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Core #5 - 5315 - 5405 - Recovered 90'

5315 - 5316 - Sh, dk grn-blk, slty, hd, closely & v finely reworked wi Sltst, gr, hd

5316 - 5330½ - Ss, lt gr, f/m, sa/sr, good sort, ltl calc cem, com f blk sphs, hd, 12% por, tr/low perm, NSOF
aa, good perm, patchy dk brn stn (50%) dull yel flsn, inst gr cut, musty odor
aa, 15% por, good/excel perm, strong musty/burnt odor, wet, NSOF
(Fracs, sl mud-stn'd, ltl LCM)

5330½ - 5334 - Ss, gr, vf/sltst, sa, well sort, cln, hd, scat pap-th inlams dk gr slty sh, 12% por, low/fair perm, damp, NSOF

5334 - 5338 - 12" Ss, gr wi patchy (30%) brn stn, vf/f, well-sort, cln, 15% por, good perm, patchy yel-brn flsn, fast cut, burned/musty odor, wet
(Frac, mud-flecked)

grading to

5338 - 5340 - Sltst, gr, hd, v finely sdy, cln, abd'ly threaded wi sl reworked pap-th inlams dk olive brn sh

5340 - 5342 - Sltst, gr, hd, v finely sdy, cln, mainly massive wi scat irreg strs sl darker & sl arg sltst

5342 - 5343 - Sh, dk brn-blk, hd, slty, closely & finely inlam'd wi Sltst, dk gr, hd

5343 - 5344 - Sltst, gr, hd, v finely & closely inlam'd wi pap-th sh aa

5344 - 5346 - Sh, dk brn-blk, mod hd, btl, scat th lams oil-sh, rare thin inlams gr sltst, poker-chip tendency

5346 - 5347½ - Sh, dk grn, mod hd, dns, irreg frac

5347½ - 5349½ - Sltst, gr, v hd, dolic, abd th inlams olive brn, slty sh

5349½ - 5350 - Sh, gr-tn, hd, v dolic, irreg frac, scat incls tn "algal" dol to 1"

5350 - 5351 - Sh, m grn, mod hd, scat f/vf sd, irreg frac

5351 - 5356 - Coq-Ost, gr-tn, crm osts in arg-dol mtx, scat f/vf qtz sd, hd, com f/m vug-por, ti, min flsn, NS
aa, bcm ev lt-brn stn'd, ev briet yel-wh flsn, inst bl-wh cut, good pet odor, ti, sl more vug-por

5356 - 5358 - Sh, alternating 1-3" dk gr-blk, sl slty, fiss, sft & gr-tn, v dolic wi abd dk gr-bl osts, slty, hd, dns

5358 - 5361 - Sh, dk bl-blk, hd, v finely slty, poker-chip tendency

5361 - 5363 - 6" Sh, dk brn, velvety, mod hd, sub oil-sh
Core ring-tailed to sl washed

5363 - 5373 - Ss, gr, vf/f wi scat lenses to 1" lams f/m, sa/sr, fair sort, ltl calc cem, com f/m blk sphs, irreg pap th inlams dk gr slty sh, 10-12% por, scat lam low perm wi ltl lam m brn stn, lam dull yel-wh flsn, fnt pet odor
1' Sltst, gr, hd, sdy & Sh, dk grn-blk, slty, intimately "varved"
aa, bcm vf/sltst, incr pap-th & sl reworked inlams dk gr-blk, slty sh, ltl lam stn & flsn aa

grading to

5373 - 5377 - Sltst, gr, hd, v finely sdy wi scat 1" ptgs ss aa, ltl scat lam stn & flsn aa, abd & close-spaced inlams Sh, dk gr-blk, slty, sl reworked

Core #5 (cont'd)

5377 - 5380 - Sltst & Sh; closely inlam'd & sl reworked 50-50 Sltst, gr, hd, sl arg & Sh, dk gr-blk, sl slty, scat spotty yel flsn, tr cut where Sh & Sltst adjoin, no apprec odor

5380 - 5384 - Sh, dk olive-blk, mod hd, sl slty, closely reworked & inlam'd wi Sltst, gr, hd, sl arg

Sh aa wi ltl Sltst aa, reworked as small curls, twisted incls

5384 - 5389 - Sltst, gr-brn, v hd, v dolic, com f/vf sd, scat lt grn sh incls

Sh, grn/olive grn, hd, btl, sl/v dolic, irreg ptgs slty

5389 - 5394 - Sltst, gr-tn, hd, dolic, ltl closely inlam'd Sh, dk olive grn, sl slty, v finely micac

Sltst, lt gr, v hd, massive

5394 - 5400 - Sh, dk grn-blk, mod hd, scat v thin lenses & inlams Sltst, gr, hd, rarely arg

18" complexly reworked Sltst, gr, hd, sl arg & Sh, dk olive brn, sl slty, finely micac

5403 - 5404 - Core broken

5404 - 5405 - Sltst, m gr-bl, hd, sdy, com f/vf blk sphs, complexly reworked wi olive-brn sh

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Core #6 - 5405 - 5495 - Recovered 90'

5405 - 5408 - Spherulite, dk bl-gr, aggregate of f dk gr/blk sphs, dns'ly packed wi ltl dol-calc cem, scat vf/f a qtz gs, irreg'ly inlam'd wi pap-th/¼" dk grn-blk slty sh, ti, 5-10% por, fnt dull brn min flsn, NS

10" Sh, blk, sft, sl slty, irreg'ly inlam'd wi Sltst, gr, hd

5408 - 5409 - Sph aa, bcm incr'ly sdy, scat osts, NS

4" Sh, dk gr-blk, sl slty, thinly inlam'd wi Sltst, gr, hd

5409 - 5411 - Sltst, gr, hd, v calc, abd sphs/ools, vf & osts, sm lenses vf qtz sd, irreg pap-th inlams sl slty blk sh, com fish scales, scat lam dull stn on cored surf only

5411 - 5413 - Sltst, gr, hd, scat pap-th buff inlams cont abd osts, sdy, finely inlam'd/varved wi olive-grn-grn arg sltst/slty sh, vy calc grdg in part to slty gr ls, scat fish scales

5413 - 5414 - Sh, dk grn-blk, soft, closely & finely inlam'd wi Sltst aa

5415 - 5416 - Spherulite, dk bl-gr wi lam blk stn, aggregate of f r blk sphs, scat f qtz sd, hd, closely inlam'd & reworked wi dk grn-blk slty sh, ti, 10% por, lam dull tn flsn, inst dull yel cut, no apprec odor

5416 - 5419 - Sltst, lt gr, hd, v finely sdy, sl dolic, closely inlam'd & complexl reworked wi Sh, dk olive-grn, mod hd, sl slty, dolic, diss mica

aa, sh bcm dominant over v finely & closely reworked sltst aa

5419 - 5422 - Sltst, lt gr, hd, scat sm lenses/th lams vf sd wi patchy m brn stn, brite yel flsn, inst cut, fair pet odor, Sltst & sd closely reworked wi dk gr-grn, slty, micac sh

5422 - 5425 - Sh, m gr-grn, hd, v slty, blk org frgs abd on lams

aa, bcm dk grn, mod sft, sl slty wi com pap-th inlams gr Sltst, sl poker-chip'd

5425 - 5428 - 8" Sltst, gr/gr-grn, hd, arg, dolic

Sh, dk grn-blk, sft, poker-chip'd

5428 - 5431 - Ss, m gr-bl, vf, v abd gr/blk vf/f sphs/ools, abd tn dol osts, hd, ti, 8-10% por, scat lam lt brn stn, dull yel flsn, inst yel cut, fnt petrf odor

aa, vf/sltst, good sort scat vf blk sphs, rare tn osts, bcm closely & complexly reworked wi dk gr-grn sh, ti, 7-8% por

Core #6 (cont'd)

5431 - 5438 - Sh, dk grn-gr, mod hd, sl slty, sl poker-chip'd
bcm dk grn-blk/dk brn blk, sft, sub oil sh closely poker-chip'd

5438 - 5441 - Dol, tn, 95% lt brn stn, amorph, chky, mod sft, v arg, scat lenses vf arg-dolic sd, tr/low perm, 15% por, 95% dull yel-wh flsn, inst gr-wh cut, fair pet odor

5441 - 5453 - Dol, gr-tn, 95% lt brn stn, aggregate crm-wh & lt gr dol ools, r, f/3mm, abd chky tn dol cem, scat qtz gs f/m, low/good perm, 15-20% por, 95% fair br yel-wh flsn, inst silver-gr cut, fair petrf odor, sl gassy
3" tite, ltl lam stn, flsn aa
(Fracs, sl mud-stn'd, flaky to speckled dk brn oil)

5453 - 5456 - Dol, aa, bcm inlam'd wi ¼-2" ptgs Sltst, gr, hd, dolic, sdy, v finely threaded wi pap-th dk gr-grn slty arg strs. Stn, flsn decr to lam (10%), perm lam tr/ti, 10-15% por

5456 - 5464 - Sltst, gr, sl crm, v hd, v finely sdy, mod dolic, irreg'ly inlam'd wi dk brn v arg sltst/slty sh, NS

5464 - 5469 - Sh, dk olive-brn, hd, v dolic, finely inlam'd & strk'd wi th gr Sltst, aa

5469 - 5473 - Sh, dk grn-blk/dk brn-blk, mod/v dolic inlams, comppap-th lams & th lenses sltst, aa. Tendency to poker-chip

5473 - 5476 - Sh, bcm sft, poker-chip'd
Sh, dk bl-blk, hd, v slty, v dolic, abd sm osts

5476 - 5483 - Sh, aa, bcm inlam'd wi ¼-1" ptgs bl-blk slty spherulite, hd, ti, NS
Sh, dk gr-blk, sft, dns, rarely slty, rare sltst inlams, ring-tailed & poker-chip'd
Sh aa, closely reworked wi Sltst, gr, hd

5483 - 5485 - Sltst & Sh, gr, hd, v finely sdy Sltst, closely "varved" wi Sh, dk grn-blk, slty, mod hd

5485 - 5486 - Sh, aa wi monor v th inlams Sltst, aa

5486 - 5487½ - Coq-Ost, dk bl-blk, aggregate of dk gr/blk & brn osts in dns calc dk gr Sh mtx, dolic, hd, ti, 5% por, NS

5487½-5489 - Ss, gr, vf/sltst, sa, well sort, com arg-dol cem, abd f blk sphs in v th inlams, hd, ti, 10% por, NS

5489 - 5490½ - Ss aa, bcm inlam'd wi v th/½" Sh, bluish-blk, sft, velvety, bituminous

5490½- 5492 - Sltst, m bl-gr, hd, v finely sdy, arg, ltl diss f mica, swirled wi dker arg strs

5492 - 5495 - Sh, dk bl-blk, mod hd, btl, dns, velvety, scat th inlams Sltst, aa; poker-chip'd
bcm sft, poker-chip'd & sl ring-tailed

Core #7 - 5495 - 5585 - Recovered 90'

5495 - 5500 - Ss, gr, vf/sltst, sa, well-sort, abd vf blk r sphs, well-ind, hd, closely & intimately inlam'd wi Sh, dk gr-blk, sft, carb, sl slty, & Sltst; gr, hd, finely sdy, abd vf sphs; ti, 7-10% por, NSOF

5500 - 5503 - Ss, gr, f/m, sa/sr, fair sort, abd f/m r blk sphs, well-ind, hd, tite, 12% por, dull pin-pt min flsn, Ns
bcm irreg'ly inlam'd & sl reworked wi pap-th olive-grn sh ptgs

5503 - 5508 - Sltst, gr, hd, peppered wi vf/f blk sphs, closely inlam'd & sl reworked wi Sh, dk olive-brn & dk bl-gr, sft, sl slty, pap-th
bcm incr shaly wi sh inlams to 1"

Core #7 (cont'd)

5508 - 5511 - Ss, gr-tn, f/m, sr/r, well-sort, com dol cem, arg, scat dk brn woody frgs, fish scales, ti, 10-12% por, v dull dk brn min flsn, NS
bcm irreg'ly inlam'd & ltl reworked wi Sh, dk gr-tn, hd, v slt
5511 - 5515 - Sh, dk brn-blk, mod hd, slty, dns, closely reworked wi Sltst, gr, hd, arg
5515 - 5523 - Sh, dk grn-blk, mod sft, sl slty, rare sltst inlams, poker-chip'd
5523 - 5525 - Ss, dk gr-blk, m/crs, r, well sort, qtz gs coated wi th blk mat'l, smooth/velvety luster, calc mtx, fria, mod hd, ti, 5% por v fnt dk brn min flsn, rare patchy dull yel flsn, fnt cut
5525 - 5526 - Sltst, lt bl-gr, mod hd, sl arg, com f diss biotite, massive
5526 - 5527 - Sh, dk bl-grn, sft, velvety, dns, ring-tailed & poker-chip'd
5527 - 5531 - Ss, ev dk gr-brn stn, f/vf, a/sa, well sort, cln wi scat dk gr sphs, low perm, 12-15% por, ev brite chalky yel-wh flsn, inst yel-gr cut, good pet odor
bcm sl inlam'd wi th, ti strs ss aa, lam show aa
5531 - 5533 - Ss, gr, vf, sa, well-sort, sl arg, v finely peppered wi vf blk gs, commonly inlam'd & sl reworked wi dk bl-gr Sh, slty; mod he, ti, 10-12% por, rare spotty/lam stn, flsn, cut aa
5533 - 5534 - Sltst, gr, hd, sdy, com pepper of slt-size blk gs, reworked & inlam'd wi Sh, dk olive-grn, slty, sft,
5534 - 5539 - Sh, dk grn-blk, hd, v slty, scat th lenses/lams Sltst aa
Sltst, gr, hd, v f'ly sdy, scat sm incls or-brn cly, com inlams & lenses dk gr-grn slty sh
Sh aa, bcm dk olive-brn, abd sm lenses m gr-bl Sltst
Sltst, dk bl-gr, v hd, v f'ly sdy, sub-qtz'ic, rare arg patches
5539 - 5541 - Sltst, gr/bl-gr, v hd, abd'ly reworked & inlam'd wi dk olive grn Sh slty, pap-th "varves"
5541 - 5543 - Sh, dk gr-grn, v slty inlams, mod hd, sl fiss, irreg frac
(Fracs, sl mud stn'd)
5543 - 5545 - Ss, m gr-tn, f/m, sa/r, p-sort, com tn dol cem, well-ind, hd, abd f/m blk gs, chky crm dol incls to 1mm, scat fish scales, ti, 10% por, fnt dk brn min flsn, NS
aa, bcm intimately inlam'd & sl reworked wi Sh, dk brn-gr, v slty, mod hd, low perm, NS
5545 - 5556½- Ss, lt gr-grn, vf, sa, ev-sort, arg wi com patches dk grn sdy sh, ti, 8-10% por, NSOF
bcm cleaner, ti, 10-12% por, NSOF
aa, wi ireg scat lams 1/8 - 1" Ss, ev-lt brn stn, cln, low lam perm, 15% por, brite yel-wh flsn, inst gr cut, fnt pet od
com'ly v th'ly inlam'd wi dk brn sh, sft
Ss aa, com v th lams lt/m brn stn, low perm, flsn, cut aa, fair pet odor
Ss aa, intimate pap-th sh inlams, rare th lam perm & stn
5556½- 5558 - Sltst, lt gr/dk gr in th alt strs as cln/arg, scat, th inlams Sh, dk bl-blk, sft, sl reworked, tr fi diss mica
5558 - 5562 - Sh, dk bl-blk, sft, rarely slty, poker-chip'd
5562 - 5564 - Ss, lt gr-wh, vf/m, sa/r, vp-sort, scat r-tn dol sphs, com blk gs, a/r, v hd, well ind, abd'ly inlam'd wi pap-th gr sh ptgs, Sltst lenses, ti, 7% por, NS
5564 - 5575 - Ss, ev m brn stn, vf/f, sa, good sort, com blk gs/pebs, m/3mm, fair/good perm, 15% por, brite greenish-yel flsn, inst leached cut, good pet odor, sl gassy
(core badly broken)
(here m, fair sort, scat gr-grn cly incls to 3mm, good/excel perm, 15-17% por, flsn, cut, aa, strong pet odor)

WELL NO.: 14-23A (50) PROPERTY: Section 23 RED WASH FIELD

Core #7 (cont'd)

aa, m gr ss, patchy/lam (50%) stn aa, abd blk sphs f/m, low/ fair perm, show aa where stn'd
bcm slty, inlam'd wi arg strs, ti/tr perm, lam/patchy show aa
5575 - 5579 - Sltst, gr, threaded & sl reworked wi dk gr, sl arg strs, hd, scat 1" lams stn'd ss aa, low/tr lam perm
bcm inlam'd wi scat Sh ptgs, dk bl-blk, sft, sl reworked
5579 - 5581 - Ss, lt gr, 80% ev dk brn stn, vf, sa/a, ev-sort, cln wi com f blk gs/sphs, scat pap-th sh inlams, hd, well-ind, low perm wi scat ti strs/lenses, 12-15% por, dull gr-tn flsn, inst poor gr cut, strong gassy pet odor
5581 - 5583 - Sltst, lt gr, hd, v finely sdy, closely reworked & inlam'd wi dk olive-grn sh, sl slty, sft
(Frac, mud-stn'd)
5583 - 5585 - Sh, dk olive-grn, sl slty, mod hd, com sm pap-th lenses gr sltst, scat blk carb/hydrocarb patches, glossy

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Core #8 - 5585 - 5663 - Recovered 78'

5585 - 5588 - Sh, dk gr-blk, sft, massive, poker-chip'd
5588 - 5591 - Sltst, dk gr, hd, v arg, abd th lenses/strs slty dk olive-grn Sh 6" Sh, dk grn-blk, sft, v sl slty
5591 - 5598 - Ss, gr, f, a/sa, fair sort, ltl dol cem w scat v dolic patches, abd dk gr/blk f/m sphs, com pap-th dk grn-gr sh lams, sl reworked, hd, ti/low perm, 10-12% por, rare lam/spotty yel flsn, fnt cut, fnt pet odor
aa wi 50% m gr-brn lam stn, fair gold-yel flsn, fair gr cut, fair pet odor
5598 - 5600 - Sh, grn-gr, btl, mod sft, closely inlam'd wi slty sh & gr sltst, hd, arg; poker-chip'd
aa, bcm Sh, dk grn-gr, sft, slaty, rare sltst inlams
5600 - 5604 - Sltst, lt gr, sl grn, hd, arg, v finely sdy, massive
5604 - 5607 - Sh, dk olive-grn, mod hd, finely slty, scat th lams & lenses sdy gr Sltst, hd; mod poker-chip'd
5607 - 5609 - Ss, lt gr, f/m, sa, p-sort, abd irreg th lams dk brn/dk gr slty sh, com f sphs & f/m blk min gs, cgl'ic in strs, ltl dol-arg cem, well-ind, hd, ti, 8-12% por, tr min flsn, NS
5609 - 5620 - Ss, gr, vf/f, sa/sr, well-sort, cln, scat vf blk gs, mod hd, sl fria, good perm, 15-17% por, looks wet, burnt odor, NSOF
aa, v finely inlam'd wi pap-th slty sh strs
aa, cln, bcm vf
aa, vf, well sort, bcm low/fair perm, 15% por, NSOF & alternating in 2-4" zones wi Ss, lt gr, vf/sltst, cln scat min gs, will ind, hd, irreg'ly inlam'd wi gr-grn sh, sl reworked, 10-12% por, ti/tr perm, NSOF
Ss aa, low perm, patchy (30%) m brn stn, dull tn-brn flsn, inst gr cut, distinct burnt odor
5620 - 5621 - Sltst, gr, hd, finely reworked wi slty olive-brn sh & irreg'ly inlam'd to 1" wi Sh, dk gr-grn, slty, sft
5621 - 5623 - Ss, lt gr, vf/f, sa, ev-sort, ltl dol & arg cem, abd f/m sphs, com pap-th inlams sh aa, well-ind, hd, ti, 10-12% por, NS
bcm vf, scat vf sphs, dol cem hd, ti, 8-10% por, NS
5623 - 5624 - Sh, dk olive-brn, slty, hd, closely reworked curls & twirls sltst, gr, hd, sl arg
5624 - 5625 - Sh, dk bl-blk, sft, sooty-velvety, rare th sltst lenses, poker-chip

Core #8 (cont'd)

5625 - 5635 - Ss, gr, vf/f, sa, ev-sort, ltl dol cem, scat/com blk sphs, vf/f, mod sft, sl fria, good perm, 15% por, wet, NSOF
aa, f, fair sort, abd calc cem, tr/low perm, NSOF
aa, f, well sort, sl arg wi closely inlam'd arg strs & dk gr slty sh inlams, ti/low lam perm, NSOF

5635 - 5640 - Ss aa, bcm vf, sa, well sort, arg, sl fria, low/fair perm, wet, burnt odor, NSOF

5640 - 5646 - Sltst, gr/lt gr, v hd, v finely sdy, closely inlam'd & sl reworked wi th ptgs Sh, dk grn-gr, sft, fiss, rarely slty

5646 - 5649 - Ss, gr, patchy/lam m brn stn (10%), vf/f, sa, p-sort, abd gr f/m sphs, ltl scat dol cem, v hd, well-ind, ti, 10% por, patchy dull yel flsn, tr slow cut, fnt pet odor where stn'd

5649 - 5653 - Ss, dk gr, m/sltst, sa/r, vp-sort, v arg, sl calc, com blk sphs, abd'ly & v closely inlam'd wi th slty blk sh, hd, ti, 6-8% por, NSOF
aa, bcm vf/f, fair sort, sl arg, tite-packed, hd, closely inlam'd wi th sh aa, ti, NSOF

5653 - 5659 - Sltst, gr, hd, v finely sdy, closely & abd'ly inlam'd wi th Sh, dk gr-blk, sl slty, sl poker-chip'd

5659 - 5660 - Sh, dk bl-blk, sft, sl slty, closely & v thinly inlam'd wi Sltst, gr, hd, sl arg

5660 - 5661 - 1' Sltst, dk gr, v hd, v arg, sdy, abd ½-1" patches tn dol
Pulled short for DST's 2 & 3.
Depth correction: 5663 = 5665 (SLM)

September 17, 1956

DST #2 - Howco straddle test of interval 5556 - 5580' w/packers set @ 5551, 5556 and 5580. Bottom hole anchor in 9" hole. No WC or BHC. Tool open 1½ hrs., SI ½ hr. Tool opened w/weak blow increasing to fair in 14 min. Remained steady to end. Gas to surface in 62 min. Not enough to gauge. Rec 638' fluid: 338' gas & v sli mud cut oil; 90' sli mud cut oil; 90' sli oil cut mud; 120' water cut mud, tr oil.

Charts:	IH	IF	FF	SI	FH
Top BT	2870	135	195	1970	2775
Middle BT	2925	155	205	2090	2910
Bottom PRD	3000	-	-	-	2850

Sept. 18, 1956

Core #9 - 5665 - 5755 - Recovered 90'

5665 - 5666 - Sh, br-blk, m sft, irreg frac wi strs lt gr ss

5666 - 5666½ - Ss, lt gr, vfg, sa/sr, well sort, well cem, hd, com vf blk sphs, spotty lt br stn, 8-10% por, ti, fnt pet odor, yel flsn

5666½ - 5677½ - Sh aa, except poker chip frac

5677½ - 5684 - Ss, lt gr, vfg, sa, well sort, well cem, hd, com vf blk sphs, str dol & ost sub coq, stn on frac, 8-10% por, ti
grades to Sltst, lt grn-gr, hd
bcm Sh, olive grn, m sft, irreg frac
bcm darker in color, poker chip frac, wi strs lt gr sltst

5684 - 5696 - Ss, lt gr, vfg, sa/sr, well sort, well cem, hd, abd vf blk sphs, crs reworked wi strs dk sh, strs lt br stn, fair pet odor
10% por, ti/tr perm, lt yel flsn wi silvery bl cut where stn

5696 - 5607 - Sh, gr-grn, m soft, conch frac

Core #9 (cont'd)

5697 - 5704 - Ss, lt gr, vfg, well sort, hd, well cem, rare sphs, 8-10% por, ti, NSOF
inbd Sh & sltst aa
5704 - 5706 - Ss, lt gr, fg, sa/sr, fair sort, well cem, hd, abd blk sphs, strs dk sh, lt brn stn, 10-12% por, low perm, good pet odor, dull gold flsn, fnt bl cut
5706 - 5707 - Sh & Sltst; Sh brn-blk m sft irreg frac, Sltst, dk gr, hd
5707 - 5710 - Ss, lt gr, m/fg, sa, fair sort, well cem, hd, abd blk sphs, lt br spotty stn, 10% por, ti/tr perm, good pet odor, dull gold flsn, fnt bl cut
Sh aa
5710 - 5730 - Ss, lt gr, m/crs g, sa/sr, well sort, well cem, hd, sl fri, abd blk sphs, 10-12% por, fair/good perm in strs, spotty earthy/ lt yel flsn, wi silvery-bl cut, looks wet
bcm closely inlam'd wi reworked Sh wi ss, bcm ti/tr perm
Spherulite wi strs ss, spherulite bl-blk, m/f blk, sphs, calc cem,
Sh, br-blk, m sft, conch frac
5730 - 5739½- Sh, brn-blk, m soft, irreg frac, wi strs ti ss, aa
bcm incr ss, coarsely reworked wi sh
Pred Ss, aa, hd, ti,
Ss & Sh aa
5739½- 5755 - Ss, fg, sa/sr, well sort, well cem, hd, abd blk vf sphs, dk sh inlams, lt tn stn in strs, 10-12% por, low perm, good pet odor, lt yel flsn & silvery bl cut where stn'd
bcm ss, aa, except tighter and wi incr sh, Sh, aa
bcm pred Sh, conch frac

Sept. 19, 1956

DST #3 - Interval 5432 - 5467

Howco straddle test w/hook wall anchor in 9" hole. No WC or BHC. Packers set @ 5427, 5432 and 5467. Tool open 1½ hrs., SI ½ hr. Tool opened w/weak blow increasing to fair in 16 min. Remained steady to end of test. No gas to surface.

Recovered 45' v slightly mud and gas cut oil; 90' mud cut oil; 270' v sli oil & sli water cut mud, 265' water cut mud. Total recovery 770' fluid. Oil recovered was black high pour point.

Charts:	IH	IF	FF	SI	FH
Top BT	2750	100	320	1655	2675
Middle BT	2750	100	230	1660	2720
Bottom PRD	2800	-	-	-	2450

Core #10 - 5755 - 5800 - Recovered 45'

5755 - 5757 - Sh, brn-blk, m sft, irreg frac, thi sltst inlams
5757 - 5765 - Sh, gr-grn, hd/m sft
5765 - 5767 - Sh, aa, except sft, crumbly, badly broken in core barrel
5767 - 5777½- Ss, lt gr-grn, f/m/g, slty, sr, p sort, well cem, hd, rare v f sph com f/crs blk g, 5-10% por, ti/tr perm, NSOF
1' Ss, aa, except fg, wi patchy stn, 10% por, ti, dull earthy flsn, dull yel cut, fair pet odor

WELL NO.: 14-23A (50) PROPERTY: Section 23 RED WASH FIELD

Core #10 (cont'd)

5777½- 5778 - Grades to Ss, lt gr-grn, wi patches stn as 5175'
5778 - 5782½- Ss, lt gr-grn, m/crs g, sa, p sort, hd, m fri, com blk pebs and vf blk sphs, good pet odor, lt/dk brn stn, 12-14% por, fair perm, lt yel flsn, inst silvery bl cut
5782½-5783½ - Ss, lt gr-grn, as 5767 - 5777, ti
Sh, gr-grn, v sft, crumbly
5783½- 5799 - Ss, lt gr-grn, sa, sa/sr, well sort, hd, fri, spotty stn, occ blk sphs, strs dol/v dol, pred dk brn stn but wi strs cln, wet app ss having NS, good pet odor, yel flsn, inst silver-bl cut where stn, 10-17% por, ti/good perm, all look wet
5799 - 5800 - Ss, aa, except crs/vfg, slty, p sort, wi lge blk pebs & incl, much intl mat, 8-10% por, ti, NS

Core #11 - 5800 - 5890 - Recovered 90'

5800 - 5815 - Ss, lt gr, spotty tn/brn stn, mg, sa/sr, well sort, m hd, fri, com blk sphs, 14-17% por, fair/good perm, ltl odor, br/dull yel flsn where stn wi silvery bl cut
bcm ss aa, except fg, slty, dolic, 5% por, ti/tr perm, NSOF
grades to Ss, ti/tr perm, NSOF
bcm ssaaa, wi strs hd, dk gr sltst
5815 - 5818 - Ss, lt gr, mg, sa/sr, well sort, m hd, m fri, com blk sphs, 13-17% por, good/excel perm, ev dk br stn, good pet odor, br yel flsn wi gr-bl cut, carbonates absent
5818 - 5823 - Ss, lt gr, f/vfg, sa/sr, well sort, hd, well cem, slty, com vf blk sphs, 13% por, tr perm, NSOF
9" Ss as 5815 - 5818½'
Ss, aa, bcm fg, slty, calc cem, 13% por, ti/low perm, spotty stn
bcm ti, NSOF
3" wi spotty brn stn, low perm
5823 - 5825 - Ss, lt gr-grn, fg, sa/sr, well sort, slty, hd, well cem, 11-13% po ti/tr perm, NSOF
5825 - 5831 - Grades to Ss aa, except less cem & intl mat, brn/dk brn stn, 13-17% por, ti/good perm, good pet odor, gld flsn, ltl flsn in cut, 3 strs 1½"-3" ti/tr perm wi spotty stn
bcm low/fair perm, spotty stn
5831 - 5834 - Ss, lt gr, vfg, sa/sr, well sort, hd, well cem, com dk vf sphs, dk reworked sh inlams, 12-15% por, fair/low perm, NSOF
bcm f g, dolic
5834 - 5837 - Ss aa & Sltst, sltst; dk gr, hd, NSOF
5837 - 5841 - Ss, gr, mg, sa/sr, well sort, hd, 14-17% por, good/excel perm, even dk brn stn, good pet odor, gold flsn, fnt bl cut
5841 - 5851½- Ss aa, except vfg, well cem, dol, arg, com blk sphs, fair perm, NSOF
bcm ss & sltst, sltst brn-blk, hd, crs reworked, ss aa, except bcm 9-10% por, ti/tr perm, NSOF
6" Sh, brn-blk, m sft, irreg frac
5851½- 5852½- Ss, lt gr, vfg, sa, hd, well cem, 5-8% por, ti, NSOF
5852½- 5854 - Sh, lt gr-grn, hd, irreg frac, abd carb frags
5854 - 5859 - Ss, lt gr, vfg, sr, well sort, hd, well cem, com blk vf sphs,

Core #11 (cont'd)

dk reworked sh inlams/strs, 5-8% por, ti/tr perm, rare stn
bcm dk gr v arg, v dol, abd blk osts wi strs 8-10% por, fair perm
6" Ss, lt gr, f/m gr, sa, fair sort, hd, m fri, well cem, com blk sphs, rare blk osts, 10-14% por, fair perm, even brn stn, good odor, yel flsn, little flsn cut

5859 - 5862 - Ss, aa at 5857', unif brn stn, good odor, 10-12% por, good/excel perm
bcm ti/tr perm, wi spotty stn
4" ti, NSOF
6" unif stn aa, 12% por, excel perm

5862 - 5872 - Ss aa, ti/fair perm, NSOF
bcm incr sh inlam'd finely reworked
bcm crs reworked wi dk sh inlams
bcm less sh

5872 - 5880 - Sltst & Sh; sltst lt/dk gr, hd, Sh, brn blk, m sft, irreg frac

5880 - 5882 - 3" Cgl, ti, gr ss, sh frags & pebs
Ss, lt gr, m/f gr, sa, fair sort, hd, well cem, abd blk sphs, rare blk osts, rare red g, 10-12% por, ti/fair perm, spotty stn, gold flsn, no cut flsn
6" cleaner, NSOF, looks wet

5882 - 5885 - Ss, aa, mg wi ltl intl mat, uniform brn stn, good pet odor, 15% por, excel perm, dull gld flsn, lt silvery bl cut

5885 - 5890 - Ss aa, except fair perm, NSOF, looks wet
strs reworked dk Sh

Sept. 24, 1956

Core #12 - 5890 - 5965 - Recovered 75'

5890 - 5892 - Ss, lt gr, fg, sa/sr, well sort, well cem, hd, com blk sphs, dk sh inlams, 10% por, good perm, NSOF, looks wet
Ss aa, except ti & incr Sh, dk sh lams & strs, crs, reworked

5892 - 5898 - Ss, lt gr, mg, sa/sr, well sort, well cem, hd, com blk sphs, 10-11% por, fair/good perm, NSOF to v lt spotty stn wi dull gld flsn & fnt gr cut flsn

5898 - 5902 - 4" Ss aa, unif dk br stn, m/crs g, ltl odor, dull gld flsn, fnt bl-gr cut
Ss aa, except f/mg, 13-15% por, fair/tr perm, NSOF, looks wet
3" at top wi strs crs reworked dk sh
bcm vfg, v well cem, strs to ½" dk crs reworked sh, 10-12% por, ti/tr perm, NSOF

5902 - 5908 - Ss aa, f/m g, wi com reworked dk sh inlams, 9-10% por, tr/low perm, NSOF
bcm incr cem, ti, occas blk ost

5908 - 5912 - 6" Sltst, dk gr, hd, wi strs dk sh
Sh & Sltst; Sh, brn-blk, m sft, irreg frac, Sltst; gr, hd

5912 - 5924 - Ss, m gr, vfg, slty, sa/sr, well cem, v hd, abd reworked dk sh inlams, com vfg blk sphs, 7-10% por, ti/tr perm, NSOF
bcm incr slty, 3-4% por
Sh, br-blk, m sft, irreg frac
Ss, aa, bcm dol, abd blk stn, osts, v arg, 5% por, ti

5924 - 5928 - Ost-Coq, blk & tn osts in dol mtx, tn min flsn
bcm bst sub coq, calc & dol
grades to Ss, lt gr, spotty tn stn, m/crs g, sa, p

Core #12 (cont'd)

sort, well cem, hd, dol, abd osts & blk sphs, 10-12% por, tr perm, spotty yel-bl flsn, gr-bl cut

5928 - 5930 - Sltst, dk gr, hd
Ss, lt brn stn, m/crs, g, sa/sr, fair sort, m hd, well cem, dol, com osts, spotty/even stn, good pet odor, 12-15% por, tr/fair perm, yel flsn, gr-bl cut

5930 - 5934 - Ss, lt gr, vfg, sa, fair sort, well cem, slty, 8-10% por, ti, NSOF
grades to Sltst, m gr, hd
Ss aa, less slty, tr perm

5934 - 5935½ - Ss, lt gr wi ev/lt brn stn, f/vfg, sa/sr, fair sort, v hd, well cem, 10-12% por, fair perm, good pet odor, unif dull gld flsn, bl gr cut
6" m/crs gr, p cem, crumbly, good perm

5935½ - 5939½ - Ss, lt gr, vfg, slty; sa/sr, fair sort, v hd, well cem, strs dk gr crs reworked sltst, 6-9% por, ti/tr perm, NSOF

5939½ - 5941 - Sh, dk gr/grn, m sft, irreg/conch frac

5941 - 5945½ - Ss, lt gr-grn, fg, slty, sr, well sort, m cem, hd, fri, dol, com osts, 5-12% por, ti/tr perm, NSOF

5945½ - 5947½ - Ss aa, except wi spotty lt brn stn, m/crs g, fair pet odor, dull gld flsn, fnt bluish cut, 12-14% por, fair perm

5947½ - 5963 - Ss & Sltst; ss, m gr, hd, vfg, slty, sr, well sort, well cem, v hd, 6-8% por, ti/tr perm, NSOF; Sltst, dk gr/hd reworked dk sh strs
4" m/crs g, fair perm

5963 - 5965 - Ss aa, bcm m/gr, 12-14% por, good perm, NSOF, looks wet

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DST #4 - Test of interval 5812 - 5848.

Set Johnston 8" packers at 5806, 5812 and 5848. No WC or BHC. Tool open 2 hrs., SI ½ hr. Tool opened w/good blow gradually decreasing to faint at end of test. No gas to surface.

Recovered 2700' sli gas cut water; Cl⁻ 3800 ppm, 6200 ppm.

Charts:	IF	FF	SI	FH	
Top BT	10	1000	1935	2690	
Middle BT	200	1190	2100	-	(3000 psi recorder)
Bottom PRD	-	-	-	2600	

Attempted to run tools for DST #5. Tools stopped 10 stands off bottom. Ran back with core barrel. Lost circulation. Pulled out and ran back in stages adding lost circulation material.

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Sept. 28, 1956

Core #13 - 5965 - 6055 - Recovered 90'

5965 - 5970 - Ss, lt gr, mg, sa/sr, well sort, hd, well cem, com blk g, dk sh stks, 12-14% por, good perm, NSOF, wet
Ss aa, except vfg, ti, incr inlam'd wi reworked dk sh
2" Sh, brn-blk, m hd, irreg frac

5970 - 5978 - Ss, as in top of core, 14% por, good perm, NSOF, wet
Ss & Sh, ss aa, vfg, 11-13% por, ti/tr perm, Sh, th inlams to ½" strs, crs, reworked
bcm 12-14% por, fair/good perm

Core #3 (cont'd)

5978 - 5984½- Ss, lt gr, f/m g, s/a, fair sort, hd, well cem, m fria, com blk sphs, com blk g, dk sh inlams, plant frags, 10-14% por, ti/fair perm, wet, NSOF
bcm fair/tr perm, wi incr sh inlams
Ss aa, m/crs g, 13-15% por, good/excel perm, wet, NSOF
Ss aa, except v well cem, calc cem, low por & ti, NSOF
bcm less cem, 12% por, tr perm

5984½- 5986 - Sh & Sltst; Sh, brn-blk, m sft, irreg frac, Sltst, dk gr, hd

5986 - 5989 - Ss, lt gr, vfg, sr, well sort, well cem, hd, vf dk sh inlams, 5-8% por, ti, NSOF
bcm f/mg, 13% por, ti/tr perm, sh str to 1"

5989 - 6009 - 3" Ss, aa, bcm low por, ti, abd sh patches
Sh, m sft, brn-blk, irreg frac, strs lt gr sltst
bcm sft, crumbly, broken in core bbl
bcm sft, crumbly aa, poker chip

6009 - 6012 - Ss, lt gr, vfg, slty, sr, well sort, well cem, hd, abd blk sph & osts, 12-13% por,
v dolic, 8-10% por, ti, NSOF
1' Ss, even brn stn, m/fg, sa, fair sort, well cem, hd, abd blk sphs & osts, 12-13% por, tr/fair perm, good pet odor, gld flsn, gr-bl cut
Ss, aa, except vfg, low por, ti, NSOF, bcm ost sub coq in strs to 2", abd sphs, com ools

6012 - 6015 - Ss, lt gr, vfg, slty, sr, well sort, v well cem, v hd, strs reworked dk sltst & sh, 6% por, ti, NSOF

6015 - 6018 - Sh, brn-blk, m hd, m sft, irreg frac wi strs ss, aa

6018 - 6022 - Ss, lt gr, m/crs gr, sa, well sort, m cem, m hd, m fri, abk blk sphs, com osts, 12-15% por, tr perm, sour odor, looks wet, NSOF
Grades to ss aa, except evn brn stn, m/f g, sa, fair sort, good pet odor, 11-15% por, fair perm, gld flsn, gr-bl cut
3" ti wi spotty stn

6022 - 6027 - Ss, lt gr, vfg, slty, sa, well sort, well cem, v hd, 12% por, tr perm, NSOF
Ss aa, except unif lt br stn, 7% por, tr perm, bleeds oil
Ss aa, wi sh in th reworked lams to 2" strs

6027 - 6030 - Sltst, dk gr, hd, wi strs sh, br-blk, m hd/m sft, irreg frac

6030 - 6035 - Ss, m gr, fg, sa/sr, fair sort, hd, well cem, abd blk sphs, v dol, v low por, ti, NSOF
Sltst, grn gr, m hd
bcm crs, reworked
Sh, gr-grn, m sft, crumbly

6035 - 6040½- Ss, lt gr, m/crs g, sa, well sort, m cem, hd, m fri, cln, 13-15% por, good perm, musty odor, wet, NSOF
8" Ss aa, except vfg, v well cem, tr perm,
Grades to Ss aa, wi spotty to unif brn stn, m gr, well sort, hd, 13-15% por, tr/fair perm, good pet odor, pale yel flsn, bl-gr cut
bcm spotty stn
bcm incr stn, tr perm

6040½- 6048 - Ss, lt gr, vfg, sr, well sort, v well cem, v hd, v low perm, ti, NSOF, th sh inlams to 2" strs; Sh, dk gr, m sft, irreg frac, crs, reworked
8" Sh, aa,

6048 - 6055 - Ss, lt gr, m gr, sa, well sort, cln, hd, rare blk sphs, 11-14% por, tr/good perm, wet, NSOF
Ss aa, bcm vfg, v well cem, v hd, v low perm, ti, v crs

WELL NO.: 14-23A (50) PROPERTY: Section 23 RED WASH FIELD

Sept. 30, 1956

Core #14 - 6055 - 6113 - Recovered 58'

6055 - 6056 - Sh, brn-blk, sft, crumbly, conch frac, badly broken & washed in core bbl

6056 - 6059 - Ost-Coq, blk & tn osts in dol mtrx, v hd, com dk sh inlams, v low por, ti, NS, min flsn only

6059 - 6066½- Grades to Sltst & Sh, Sltst, dk gr, hd, Sh, brn-blk, m sft, irreg frac, str, ti, ss w abund osts

4" Sh aa, sft conch frac, badly washed

8" Sh aa, sft, badly washed

bcm pred sh

6066½- 6068 - Ss, lt gr, m/fg, sa, fair sort, hd, well cem, v dol, 6-8% por, ti, NSOF

1" Sh aa,

6068 - 6069½- Ss, m g, wi spotty dk brn stn, m/crs g, sa, p sort, v hd, v well cem, abd blk osts, v dol, patches wh bent & dk pebs, 12-15% por, tr/fair perm, fair pet odor, dull yel flsn, wi inst br yel-bl cut

6069½- 6078½- Ss, lt gr, m g, sa, well sort, cln, hd, well cem, abd blk sphs, 11-16% por, ti/good perm, NS to spotty stn, looks wet

bcm inc dol, rare blk osts

6078½- 6081 - Ost-sub coq, v dol, hd, well cem, rare ools, 10% por, tr/good perm, wet, NSOF

6081 - 6083 - Ss, lt gr, m g, sa, well sort, hd, well cem, v dol, abd crs blk osts, rare br red & grn g, 10-12% por, ti,

bcm ss aa, except vfg, wi osts rare except in patches where abd

6083 - 6085 - Ost-sub coq aa, wi spotty stn, 10-13% por, ti/fair perm, br yel flsn wi silver bl cut

6085 - 6089 - Ss, lt gr, fg, sa, fair sort, v hd, v well cem, v dol, com osts, abd vf blk sphs, 5-7% por, ti, rare spotty stn, yel flsn, bl gr cut

bcm m/fg, fair sort, wi evn lt brn stn, flsn & cut aa

6089 - 6091 - Ost-sub coq, aa, 10-12% por, tr perm, NSOF

6091 - 6101½- Ss, lt gr wi even brn stn, sa, fair sort, v hd, v well cem, com osts, v dol, 12-13% por, ti/fair perm, br yel flsn, silver-bl cut, good pet odor, bleed gas & oil

bcm arg, spotty stn

6101½- 6102½- Sltst & sh, finely inlam'd, Sltst, lt gr, hd; Sh, dk gr, finely reworked, bcm crs, reworked in bottom 3"

6102½- 6113 - Dol oolite, olive grn, lt brn stn, crs g, v hd, v well cem, com blk & tn osts & tn ools, 10-13% por, ti/tr perm, good pet odor, earthy gld flsn wi slow bl-gr cut

bcm 8-10% por, ti wi NSOF

bcm 10-13% por, ti, NSOF

Grades to Ss, olive grn, vfg, sr, well sort, v hd, v well cem, v dol, com osts & ools, 8-9% por, ti, NSOF

Oct. 3, 1956

Core #15 - 6113 - 6181 - Recovered 68'

6113 - 6120 - Ss, lt grn-gr, vfg, slty, sr, well sort, v well cem, v dol, f dk sh inlams, com osts & ools, 5-7% por, ti, NSOF

bcm incr sh

crs, reworked

Core #15 (cont'd)

6120 - 6123 - Dol, olive-grn, hd, abd sphs, com osts, v low por, ti, NSOF
6123 - 6131 - Grades to Sltst, grn-gr, m sft, bcm gr grn sh in places, v dol
bcm ss aa, wi strs, sltst & sh, aa
grades to Sltst, aa,
6131 - 6136 - Sh, gr-blk, sft, crumbly, conch frac, badly broken in core bbl
bcm ss aa wi strs sltst & sh aa
6136 - 6143½- Sh, aa, sft, crumbly, broken in core bbl
Sh, aa, except wi poker chip frac
Sh aa wi irreg frac
6143½- 6145 - Sltst, gr-blk, m hd, wi strs to 2" ost coq in dol mtrx, coq, hd, well cem, v low por, ti, NSOF
6145 - 6147 - Sh, gr-blk, m sft to crumbly, lower 6" badly broken in core bbl
6147 - 6148 - Sltst, ss and sh aa, carbonaceous
6148 - 6151 - Dol, spherulite, v hd, v well cem, v low por, ti, NSOF
2" crumbly sh aa
Dol, olive gr, v hd
5" crumbly sh, aa
6151 - 6160½- Ss, lt gr, m/vfg, sa/sr, p sort, well cem, hd, com blk & rare br red g, 8-10% por, ti, NSOF
2" Sh, dk gr, m sft, irreg frac
crs reworked wi th sh inlams
4" Sh, aa, sft, crumbly
6160½- 6164½- Dol, olive grn, hd, abd sphs
6164½- 6167 - Ss, lt gr, vfg, sa, well sort, hd, well cem, dol, com blk g, 6-8% por, NSOF
bcm crs reworked wi th sh inlams
bcm incr sh wi strs to 3"
6167 - 6168 - Sh aa, sft, crumbly, broken in bbl
6168 - 6174½- Dol, aa, wi strs ss and sh, aa
6174½- 6178 - Ss, lt gr, vfg, sa/sr, well sort, well cem, dol, com blk g, v low por, ti, NSOF. Top 4" crs reworked
6178 - 6181 - Sh & Sltst, olive grn, Sh, v sft, crumbly, broken in bbl; sltst, m sft

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October 4, 1956

Core #16 - 6181 - 6225 - Recovered 44'

6181 - 6181½- Ss, lt gr-wh, fg, sr, well sort, hd, well cem, difficulty fri, occas blk g, abd wh intl matl, v low por, ti, NSOF
grades to Sltst, lt gr, hd
6181½- 6189 - Sh, top few inches grn, bcm rd and grn mott, sft, crumbly
crumbled in core bbl
badly washed in core bbl
6189 - 6192 - Sh, aa, except mod hd, irreg frac
6192 - 6199 - Ss, lt gr, vfg, slty, sr, v well sort, hd, well cem, occ blk g, v low por, ti, NSOF
grades to Sltst, lt gr, hd
6199 - 6207 - Sh, sft, crumbly, grn wi occas brick red mott
bcm incr red
bcm pred red (Tentative top Wasatch 6200')
bcm Sh, aa, except m hd, irreg frac, pred rd wi grn mott
6207 - 6216 - Sltst, m gr, hd
6216 - 6219½- Ss, lt gr, vfg, sr, well sort, hd, v well cem, abd wh intl matl,

Core #16 (cont'd)

rare vf blk g, v low por, ti, bcm lt tn stn in strs wi carbide odor, brilliant yel flsn & cut

6219½ - 6223 - Sh aa, rd & grn mott, badly washed bcm m hd, irreg frac

6223 - 6224 - Sltst, m gr, hd

6224 - 6225 - Sh aa, pred grn wi red mott, m hd, irreg frac

Oct. 5, 1956

Core #17 - 6225 - 6241 - Recovered 15'

6225 - 6226½ - Sltst, gr wi mott red, m hd

6226½ - 6234 - Sh, brick red, wi gr mott, sft, badly broken & washed bcm sltst aa

6234 - 6240 - Sh, aa, sli washed bcm Sltst, aa

6240 - 6241 - No recovery

Ran Schlumberger Electric log and Microlog. Recorded Electric log 6244 - 448'; Microlog 6242 - 4400'.

Oct. 6, 1956

DST #5 - Howco straddle test of interval 6091 - 6109.

Set packers at 6085, 6091 and 6109 using bottom hole anchor. No WC or BHC. Tool open 1½ hrs., SI ½ hr. Light decreasing blow during test. No gas to surface.

Recovered 270' rise; very oily mud becoming thinner downward, bottom testing 1000 ppm Cl^-

Charts:	IH	IF	FF	SI	FH
Top BT	2995	50	100	680	2850
Middle BT	3000	170	1190	695	2915
Bottom PRD	3400	-	-	-	3325

DST #6 - Howco straddle test of interval 5777 - 5813.

Set packers at 5772, 5777 and 5813 using side wall anchor. No WC or BHC. Tool open 1 hr. 12 min. Med strong blow decreasing to faint at end of test. No gas to surface.

Recovered 2370' fluid rise, watery mud grading to clear water.

Charts:	IH	IF	FF	SI	FH
Top BT	2995	50	980	2185	2895
Middle BT	2965	70	1070	2205	2930
Lower PRD	3000	-	-	-	3000

Oct. 7, 1956

DST #7 - Howco straddle test of interval 5856 - 5882.
Set packers at 5851, 5856 and 5882 using sidewall anchor. No WC or BHC. Tool open 2 hrs. Medium blow decreasing during test. No gas to surface.

Recovered 1325' rise, gassy watery mud grading to sli muddy water.

Charts:	IH	IF	FF	SI	FH
Top BT	2780	50	569	2110	2758
Middle BT	2860	215	517	1940	2670
Lower PRD	2900	-	-	-	2900

Oct. 8, 1956

DST #8 - Howco straddle test of interval 5070 - 5092.
Set packers at 5065, 5070 and 5092 using sidewall anchor. No BHC or WC. Tool open 1½ hrs. Medium blow decreasing during test. No gas to surface. SI ½ hr.

Recovered 1330' rise, watery mud grading to sli muddy water testing 2400 ppm Cl^-

Charts:	IH	IF	FF	SI	FH
Top BT	2435	74	453	1848	2435
Middle BT	2410	245	515	1820	2355
Lower PRD	2500	-	-	-	2500

DST #9 - Howco straddle test of interval 5040 - 5055.

Set packers at 5035, 5040 and 5055 using sidewall anchor. No BHC or WC. Tool open 1½ hrs., SI ½ hr. Medium blow decreasing during test.

Recovered 1560' rise, gassy watery mud grading to sli muddy water.

Charts:	IH	IF	FF	SI	FH
Top BT	2435	85	670	1820	2480
Middle BT	2460	270	670	1795	2460
Lower PRD	2550	-	-	-	2550

Oct. 9, 1956

Cemented 7" casing at 6229'

Used 250 50# sax control mix and 100 100# sax neat cement. 17 minutes mixing time. Average slurry wt control mix: 11.8#/gal; neat cement: 15#/gal. (Mixed Ideal Portland Type I and IA) 25 min. displacing w/rig pumps using one top and one bottom rubber plug. 800-1100 psi working pressure, 1600 psi when plugs bumped.

Casing Detail:

Bottom	17	jts.		700' 7", 23#, N-80, Rg 2 & 3, seamless casing with 8 rd thd long couplings. Includes Baker Guide shoe on bottom and differential float collar 2 jts above shoe. Centralizers on 1st, 2nd, 4th, 6th and 8th jts.
Next	140	jts.	or	3510' 7", 23#, J-55, Rg 2, 8 rd, long coupling
Top	1	jt.	or	25', 7", 23#, N-80, 8 rd long coupling, Rg 2
Total	158	jts.	or	6235'
			Top	6' above floor. 6229' = depth of shoe

Oct. 10, 1956

Ran temperature survey - located top annular cement at 4000'. Slacked off 4" cut off 18' of 7" casing leaving 6217' in hole, top 12' below kelly bushing.

Tested 7" casing hanger - leaked downward at 1200 psi.

Ran McCullough Gamma Ray & Collar logs.

Recorded 6498' - 4900'. Gamma Ray checks 3' shallower than Schlumberger, ie: 5597' gamma ray equals 5600' Schlumberger.

Perforated 7" casing with 4 ½" bullets per foot 5600 - 5603'. Set Baker Model K magnesium retainer at 5590'

- -

Oct. 12, 1956

Cement Squeeze Stage #1

Recemented 7" casing thru shot holes 5600-5603' thru Model K retainer set at 5590'. Formation broke down at 2575 psi. Pumped in 100 sax common cement at max pressure of 2100 psi and final pressure of 1600 psi. Followed cement with 5 bbls water to flush cement beyond perforations.

Cement Squeeze Stage #2

Recemented 7" casing thru shot holes 5600 - 5603' thru Baker Model K retainer set at 5590'. Unable to obtain formation breakdown at 3200 psi. Bled off to 2450 psi in 9 min. Mixed 50 sax common cement. Displaced cement to Model K retainer before beginning squeez Displaced an estimated two sacks to formation at maximum and final pressure of 4000 psi.

Drilled up and chased Model K cement retainer from 5590 - 6138'. Displaced water in hole with oil.

- -

Oct. 14, 1956

McCullough located Schlumberger collars and perforated 6097 - 6112' with six jets per foot and 5744 - 5752', 5571 - 5581, 5533 - 5538 and 5444 - 5464 with 3 jets and 4 bullets/ft.

Set Baker retrievable bridge plug at 5762 and Baker full bore retrievable retainer at 5734.

- -

Oct. 15, 1956

Sand Oil Squeeze #1 - Interval 5744 - 5752.

Broke formation down with burner fuel at 3700 psi. Pumped in 30 bbl Rangely crude followed by 47.5 bbls burner fuel containing 1½#/bbl 20-40 M Ottawa sand. Followed sand oil mixture with 30 bbl Rangely crude which was displaced into formation. Average injection pressure 3200 psi. Maintained 1000 psi in annulus. Average injection rate 5.6 bbl/min. After shutting down pumps pressure bled immediately to 1200 psi, then to 600 psi in next 2 hrs. Opened valve and flowed 1" stream bleeding pressure from 600 psi to 0 psi in 47 min.

Sand Oil Squeeze #2 - Interval 5571 - 5581.

Set Baker retrievable bridge plug at 5610' and full bore retainer at 5552'. Broke down formation at 2800 psi, pumped in 30 bbls Rangely crude followed by 47.5 bbls burner fuel containing 1½#/gal 20-40 M Ottawa sand. Followed sand oil mixture with 30 bbl Rangely crude displaced to formation. Average displacement rate 5.8 bbl/min. Average pressure 2900 psi. (Held 600-1000 psi on casing). Job completed 1:45 p.m. when pumping discontinued. Pressure bled immediately to 1000 psi then to 375 psi in 1 hr 35 min.

Octe 16, 1956

Following SOS No. 2 well flowed from interval 5571-5581 at a low rate. Pressure dropped to approx 75 psi and leveled off until 4:00 a.m. when it began a gradual increase; increased to 200 psi by 4:50 a.m. Pressure then increased to approx 1000 psi by 6:30 a.m. Pumped cold oil in annulus to kill well. Layed line away from rig and bled oil and gas from tubing while pumping in annulus. After well dead attempted to reset retrievable bridge plug. Well began to flow through annulus. Attempted to kill well by displacing hole fluid to formation with burner fuel. Well flowed through tubing after pressure bled off. Shut in. Waiting on materials to mix oil base fluid.

Oct. 17, 1956

Attempted to pull up and reset Baker retrievable bridge plug. Unable to work up the hole. Worked plug down as low as possible, upper packing element at 6111' top of stinger 6109.5'. Released bridge plug and pulled out of hole with well flowing a small amount from annulus. Closed complete shut-off and pumped approx 200 bbls burner fuel to kill well.

Oct. 18, 1956

Set Baker Retrievable bridge plug at 5548' and Baker full bore cementer at 5519' and attempted to sand oil squeeze perforated interval 5533-5538'. Unable to breakdown formation at 4500 psi.

Sand Oil Squeeze #3 - Interval 5444 - 5464'.

Set Baker retrievable bridge plug at 5475' and full bore retainer at 5435'. Broke down formation with burner fuel at 3600 psi. Pumped in 30 bbls Rangely crude followed by 83 bbls burner fuel containing 1½#/gal 20-40 M Ottawa sand. Followed sand oil mix with 30 bbls Rangely crude displaced to formation. Average injection pressure 3300 psi (1000 psi in annulus.) Average injection rate 5.3 bbl/min.

Oct. 19, 1956

With Baker retrievable bridge plug set at 5762' and full bore cementer at 5734' attempted to swab test interval 5744-5752'. Closed rams because of wells tendency to flow from upper zones. Made three runs with swab to max depth of 2500' when well began to flow. Flowed 250 bbls. mostly load oil in 3½ hrs. Checked packer. Found packer not holding. Shut well in. Casing pressure built to 850 psi, tubing pressure 1000 psi. Mixed oil base drlg fluid to 8.6#/gal.

Displaced hole fluid with 8.6#/gal ken oil. Displaced by pumping down tubing. Circulated out considerable gas. Pulled above perfs and applied pressure to annulus to check packer. Pumped fluid away at 400-600 psi. Attempted to pull retrievable bridge plug. Plug released and went down the hole. Pulled out, bridge plug not retrieved. Found circulating ports above packer fouled with soft rope. Reran retrieving head and recovered bridge plug.

Landed 2½" tubing at 5404' open ended.
Contractor released 12:00 noon October 21, 1956

WELL NO.: 14-23A (50) PROPERTY: Section 23 RED WASH FIELD

Oct. 26, 1956

R&R Well Service moved in and rigged up.
Pulled 2½" tubing.
Set Baker full bore retrievavle cementer at 6085'.

Oct. 31 - Nov. 1, 1956

Swab test of interval 6097 - 6112'. Baker full bore retainer at 6085'.
Swabbed 10 hrs. Swabbed fluid from surface to 5800'. Rec. 55 bbls all load oil.
Standing overnight (15 hrs) fluid rose to 4525(or 1275', or 7.4 bbls), est. 50% water.
Ran swab to 5880'. Rec est ½ bbl water. Stood 1 hr and swabbed less than ½ bbl water with scum of oil from 5880'.

Reset Baker F.B. cementer at 5713' to swab test intervals 5744-5752 and 6097-6112'.

Swabbing detail:

Time	Depth run	Fluid Level	Tank Guage Before	Tank Guage After	Bbls Swabbed	Type Fluid
3:15 p.m.	500'	30	19	19½	1.5	Oil base mud
3:35	1200'	500	19½	21½	5.9	" " "
4:25 p.m.	1600'	900	21½	25	10	" " "
4:45	1800'	1100	25	26	3	" " " with some crude

Total swabbed 20.7 bbls.

Nov. 2, 1956

Stood overnight. Pressure built to 1400 psi on tubing. Flowed approx 6 bbls oil base drlg fluid with considerable gas. Turned to gauge tank 9:00 a.m.

Time	Tank Gauge Before	Tank Gauge After	Bbls	%Mud	% Emuls.	%Water	Gas Rate
9:30	0	12"	33				
9:30-11:30	12"	17"	13.75	-	22	-	Not measured
11:30- 1:30	17"	17.5"	1.37	-	19-16%	-	" "
1:30- 2:30	17.5"	18"	1.37	2	12	-	" "
2:30-3:30	18"	19"	2.75		30	2	" "

Shut well in at 3:30 p.m. to tie in lines to Rollo separator. Rec approx 52 bbls total fluid, primarily native crude. 12-30% emulsion. Load oil originally displaced to zone equals 107 bbl however an unknown amount was recovered on previous attempt to swab zone 5744-5752'. Gas rate not measured because of low fuel gas pressure - unable to heat fluid to put thru Rollo. Estimated gas rate 200 MCF/D.

Nov. 3, 1956

After standing overnight flowed well 2 hrs in attempt to bleed pressure down sufficiently to pump oil base drlg fluid in tubing to kill well. Recovered small amount of fluid (insufficient amount to gauge) cutting 2% mud, 2% water and 8% emulsion. Pressure build rapidly to 1400 psi when shut in. Called Halliburton to kill well. Displaced Ken oil drlg fluid equal to approx volume of tubing. Final pressure 1500 psi.

Nov. 4, 1956

After standing overnight well had 1800 psi tubing pressure. Bled pressure to 0 psi. Bled off gas and air (air pumped in with oil base mud while attempting to kill well - unable to properly prime pump.) Well blew very lightly after pressure bled off. Spent 3 hrs attempting to start draw works motor, during this period removed WKM valve and installed Halliburton plug valve on 8' pup jt to permit unseating Baker packer. After drawworks in operation could not unseat packer. Packer moved down the hole. Unable to add tubing jt as well would flow.
Killed well by pumping Ken oil down tubing. Unseated Baker cementer, circulated Ken oil to kill well.

Nov. 7, 1956

Landed 2½" tubing at 6013' as follows:

Bottom	1	jt	30.61'	2½" U.E. 615# perfd jt 8' perfd starting 4' below top of jt (orange peeled bottom)
Next	2	jts	12.24	2½" U.E. tbg
Next			1.41	2¼" ∅ 45 PSN (Axelson)
Next	191	jts	5956.09	2½" U.E. 6.5# J-55 new tubing
Top			0.95	Boll weavil hanger
			6001.30	
			12.20	below original K.B. measuring
Depth landed			6013.50	

Displaced Ken oil with burner fuel.

Nov. 8, 1956

Made 12 runs with swab - swabbing out approx 100 bbls burner fuel when well began to flow. Shut well in and released contractor 4:00 p.m. Nov. 8, 1956.

R. D. LOCKE

State

13

RECOMPLETION REPORT

STANDARD OIL COMPANY OF CALIFORNIA

FIELD: Red Wash PROPERTY: Section 23A

WELL NO: 14-23A (50) Sec. 23 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 February 28, 1957

PURPOSE OF WORK: To exclude gas.

DATE OF REPORT: BY C. V. Chatterton
Supt. Producing Department

WORK DONE BY: R & R Well Service

COMMENCED OPERATIONS: 2-14-59 COMPLETED OPERATIONS: 2-20-59

DATE WELL LAST PRODUCED: May 12, 1958 DATE RETURNED TO PRODUCTION: 2-21-59

PRODUCTION:	PRIOR TO WORK		AFTER WORK	
Oil	41	B/D	197	B/D
Water	0	B/D	14	B/D
Gas	467	Mcf/D	132	Mcf/D
Gravity	26.0	°API	28.4	°API
Tubing	100	PSIG	200	PSIG
Casing	840	PSIG	200	PSIG
Method of Production: Pumping	x		x	
Flowing				
Gas Lift				

SUMMARY

T.D.: 6245' Effective Depth: 5648'

Casing: 7", 23#, J-55 & N-80 cemented @ 6229'. C.P.'d 5600-5603
Bridge plug set @ 5650
Capped w/cement to 5648.

Perforations: 5444-5464
5533-5538
5571-5581
Interval 5744-5752 and
6097-6112 are below
Bridge plug and excluded
from well.

Tubing:

KB to Tbg head	12.00	
Top 176 jts	5491.62	2½" EUE 6.5# J-55 tbg.
Next PSN	1.10	
Next 1 - 4' & 1 - 8' Pup	12.00	2½" EUE 6.5# J-55 tbg.
Gas Anchor	30.00	2½" EUE slotted gas anchor
	5546.72	

Plug: Cast Iron Bridge plug at 5650'
Capped with cement to 5648'

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

Form 9-331a
(Feb. 1951)

X			

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0559
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	X	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			
Notice of " " Exclude Gas	X		

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

Vernal, Utah February 24, 19 59

Well No. 14-23A is located 660 ft. from [N] line and 760 ft. from [E] line of sec. 23

SW 1/4 SW 1/4 23 (¼ Sec. and Sec. No.) 7S (Twp.) 23E (Range) SLBM (Meridian)

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

The elevation of the derrick floor above sea level is 5331.2 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)

1. Set cast iron bridge plug on tubing @ 5640'.
2. Run dump bailer and dump three sax cement on bridge plug @ 5650'.
3. Run tubing and rods and place well on 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 P. O. Box 455
Vernal, Utah

By C. V. Chatterton

Title District Superintendent

USGS-3; OAOCC-1; Calif-1; Caulkins-1; CMG-1; File-1

GPO 9 18 507

Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

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.)

5. LEASE DESIGNATION AND SERIAL NO.: U-0559

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [X] GAS WELL [ ] OTHER

7. UNIT AGREEMENT NAME: Red Wash

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

8. FARM OR LEASE NAME:

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

9. WELL NO.: 50 (14-23A)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 660' FSL & 760' FWL

10. FIELD AND POOL, OR WILDCAT: Red Wash

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 23, T7S,R22E SLBM

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): DF 5331.2

12. COUNTY OR PARISH: Uintah

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	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[X]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)			[ ]	(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.)*

Well was cleaned out, perforated and acidized as follows:

1 - MIR & RU. RD well head. NU BOPE. POOH w/tbg.

2 - RIH w/bit and casing scraper. CO to 5648.

3 - RU oil well perforators and perforated as per the attached.

4 - Acidized well as per the attached.

5 - RIH w/tbg assembly, rods and pump.

6 - Placed well on production.

3 - USGS
2 - State
3 - Partners
1 - JCB
1 - DLD
1 - Sec 723
1 - File

No additional surface disturbances required for this activity.

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

SIGNED [signature] TITLE Engineering Assistant DATE Nov. 8, 1978

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

WELL NAME: RWU 50 (14-23A)

FIELD: Red Wash

COMPLETED PERFORATING PROCEDURE

1. Depth, number and size of shots (or depths of rips): 3 shots per foot

   5588-90

2. Company doing work: Oil well perforations

3. Date of work: September 28, 1978

4. Additional surface distrubances: None

5. Production after work:

Date	BOPD	MCFD	BWPD
10/9	18	-	113
10/10	30	8	120
10/11	29	-	117
10/12	41	-	158
10/13	38	-	161
10/16	44	-	164

JAM 6/8/76

WELL NAME RWU 50 (14-32A)

FIELD NAME Red Wash

COMPLETED TREATMENT PROCEDURE

1. Size and type of treatment: 500 gals 7'% HCl and 1300 gals 15% HCl

2. Intervals treated: 5588-90, 5533-38, 5444-64

3. Treatment down casing or tubing. Tubing

4. Methods used to localize effects: Benzoic acid flakes were used as diverting agents. Plug and packer set to straddle zones.

5. Disposal of treating fluid: Spent acid was swabbed back.

6. Depth to which well was cleaned out: 5648

7. Time spent bailing and cleaning out: 5 days

8. Date of work: September 23-27, 1978

9. Company who performed work: Dowell and Western

10. Production interval: 5444-64, 5533-38 and 5571-81

11. Status and production before treatment:

Date	BOPD	MCFD	BWPD
1/78	34	4	47
2/78	35	4	44

12. Status and production after treatment:

Date	BOPD	MCFD	BWPD
10/9	18	-	113
10/10	30	8	120
10/11	29	-	117
10/12	41	-	158
10/13	38	-	161
10/16	44	-	164

JAM 6/8/76

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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 [x] gas well [ ] other

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: 660' FSL & 760' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-0559

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Red Wash

8. FARM OR LEASE NAME

9. WELL NO.
50 (14-23A)

10. FIELD OR WILDCAT NAME
Red Wash

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 23, T7S, R22E

12. COUNTY OR PARISH: Uintah
13. STATE: Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
DF 5331.2

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	[x]	[ ]
REPAIR WELL	[ ]	[ ]
PULL OR ALTER CASING	[ ]	[ ]
MULTIPLE COMPLETE	[ ]	[ ]
CHANGE ZONES	[ ]	[ ]
ABANDON*	[ ]	[ ]
(other)		

RECEIVED
MAR 28 1980
DIVISION OF
OIL, GAS & MINING

(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 acidize well as follows:

1. MI & RU. Hot oil annulus & tbg. ND tree. NU BOPE. POOH w/rods, pump & tbg.
2. RIH w/bit, csg scraper & workstring to CO to 5648'. Circ hole clean w/2% KCL wtr. POOH.
3. RIH w/RBP, pkr & workstring.
4. Acidize. See attached.
5. RIH w/tbg, pump & rods.
6. Place well on production.

Verbal approval given by Bill Martens 3/20/80.

APPROVED BY THE DIVISION OF
OIL, GAS, AND MINING
DATE: 3/31/80
BY: M. J. Minder

5-USGS
2-State
3-Partners
1-JCB
1-Sec 723
1-File

No additional surface disturbances required for this activity.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Yolanda Ramar TITLE Engineering Asst. DATE March 21, 1980

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

WELL NAME: 50 (14-23A)

FIELD: Red Wash

PROPOSED TREATMENT PROCEDURE

1. Objective: To produce oil in the lower zones.
2. Size and type of treatment: 1850 gal 15% HCL acid.
3. Intervals to be treated: 5590-5444.
4. Treatment down casing or tubing: Tubing.
5. Method of localizing its effects: Benzoic acid flakes.
6. Disposal of treating fluid: Spent acid will be swabbed back.
7. Name of company to do work: Dowell, Halliburton or Western.
8. Anticipated additional surface disturbances: None.
9. Estimated work date: March 25, 1980.
10. Present status, current production and producing interval:

Date	BOPD	MCFD	BWPD
3/80	Shut-In		

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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 [X] gas well [ ] other

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

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 660' FSL & 760' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-0559

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Red Wash

8. FARM OR LEASE NAME

9. WELL NO.
50 (14-23A)

10. FIELD OR WILDCAT NAME
Red Wash

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
S. 23, T7S, R22E

12. COUNTY OR PARISH: Uintah
13. STATE: UTAH

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
DF 5331.2

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	[ ]	[X]
REPAIR WELL	[ ]	[ ]
PULL OR ALTER CASING	[ ]	[ ]
MULTIPLE COMPLETE	[ ]	[ ]
CHANGE ZONES	[ ]	[ ]
ABANDON*	[ ]	[ ]
(other)		

(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.)*

Well was acidized as follows:

1. MI & RU. Hot oiled annulus & tbg. ND tree. NU BOPE. POOH w/rods, pump & tbg.
2. RIH w/bit, scraper & workstring. CO to 5635. Circ hole clean w/2% KCl. POOH.
3. RIH w/RBP, pkr & work string.
4. Acidized. See attached
5. RIH w/tbg, pump & rods.
6. Placed well on production.

3 - USGS
2 - State
3 - Partners
1 - JCB
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 Yolanda H. Naman TITLE Engr. Assistant DATE 5/3/80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

WELL NAME RWU #50 (14-23A)

FIELD NAME Red Wash

COMPLETED TREATMENT PROCEDURE

1. Size and type of treatment: 1850 gal 15% HCl

2. Intervals treated: 5444-64, 5571-90, 5533-38

3. Treatment down casing or tubing: tubing

4. Methods used to localize effects: ball sealers

5. Disposal of treating fluid: spent acid was swabbed back.

6. Depth to which well was cleaned out: 5635

7. Date of work: 3/30/80

8. Company who performed work: Western

9. Production interval:

10. Status and production before treatment:

Date	BOPD	MCFD	BWPD
3/80	8		37

11. Status and production after treatment:

Date	BOPD	MCFD	BWPD
4/80	20		115

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

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 [x] gas well [ ] other

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: 660' FSL & 760' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-0559

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Red Wash

8. FARM OR LEASE NAME

9. WELL NO.
50 (14-23A)

10. FIELD OR WILDCAT NAME
Red Wash

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 23, T7S, R22E

12. COUNTY OR PARISH: Uintah
13. STATE: Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
DF 5331.2

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	[x]	[ ]
REPAIR WELL	[ ]	[ ]
PULL OR ALTER CASING	[ ]	[ ]
MULTIPLE COMPLETE	[ ]	[ ]
CHANGE ZONES	[ ]	[ ]
ABANDON*	[ ]	[ ]
(other)		

(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 acidize the subject well to alleviate a suspected scale problem. A scale inhibitor treatment is included to increase the life of the acid job.

Please see attached procedure.

3-USGS
2-State
3-Partners
1-JCB
1-DLD
1-Sec 723
1-File

No additional surface disturbances required for this activity.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Arlene F. Busek TITLE Engineering Asst. DATE November 9, 1982

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

WELL NAME: 50 (14-23A)

FIELD: Red Wash

PROPOSED TREATMENT PROCEDURE

1. Objective: Increase production by 15 BOPD.
2. Size and type of treatment: 1,000 gals 15% HCl
3. Intervals to be treated:
   5533 - 90
4. Treatment down casing or tubing: Casing
5. Method of localizing its effects: Ball Sealers evenly distributed throughout acid.
6. Disposal of treating fluid: Swab 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: 11/15/82
10. Present status, current production and producing interval:

Date	BOPD	MCFD	BWPD
9/82	±4	-	±103

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NOV 15 1982
DIVISION OF
OIL, GAS & MINING

Workover Procedures

1. POOH w/ rods, pump, and tubing.

2. CO to PBTD.

3. Isolate perfs 5533-90 and acidize w/ 1000 gal 15% HCl w/ 10 gal/M FE-1A iron sequestering agent, 50 gal/M Parasperse paraffin dispersant, 2 gal/M Tri-S surfactant, 5 gal/M HC-2 suspending agent, 50 #/M Spacer-Sperse dispersant, and 2 gal/M HAI-55 corrosion inhibitor. Evenly distribute 75 ball sealers throughout the acid. (Note squeezed perfs @ 5600-03).

4. Swab back acid load.

5. Pump scale inhibitor treatment as follows:
   10 bbl of a 10% solution of Nalco # 9DS-087 mixed w/ produced water
   25 bbl produced water
   100 bbl produced water mixed w/ 4 lb $CaCl_2$/bbl water
   flush to top perf w/ produced water

6. Isolate perfs 5444-64 and acidize w/ 1000 gal 15% HCl w/ additives and ball sealers as in step 3.

7. Swab back acid load.

8. Repeat step 5 w/ water volume changed to 120 bbl.

9. RIH w/ production string and turn well over to RW production.

Form 9-331
Dec. 1973

RECEIVED
FEB 10 1983
DIVISION OF
OIL GAS & MINING

Form Approved.
Budget Bureau No. 42-R1424

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 [X] gas well [ ] other

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: 660' FSL & 760' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-0559

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Red Wash

8. FARM OR LEASE NAME

9. WELL NO.
50 (14-23A)

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 23, T7S, R22E

12. COUNTY OR PARISH: Uintah
13. STATE: Ut.

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
DF 5331.2'

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	[ ]	[X]
REPAIR WELL	[ ]	[ ]
PULL OR ALTER CASING	[ ]	[ ]
MULTIPLE COMPLETE	[ ]	[ ]
CHANGE ZONES	[ ]	[ ]
ABANDON*	[ ]	[ ]
(other)		

(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.)*

This well was acidized to alleviate a suspected scale problem.

1. MIRU, POOH W/PMP & RODS, ND TREE, NU BOPE.
2. MADE RUN W/BIT & SCRPR. TGD FILL @ 5628'. RIH W/RBP & PKR TO 5403'.
3. ACIDIZE PERFS: 5590-5533' W/100 GALS 15% HCl (See Details) SWBD PERFS.
4. PERFORM SCALE INHIBITOR TREATMENT USING 10% SOLUTION OF NALCO #9D-087 AND FORMATION WTR.
5. ACIDIZE PERFS 5444-64 W/1000 GALS 15% HCl (See Detail Sheet). SWBD PERFS.
6. PERFORM SCALE INHIBITOR TREATMENT USING 10% SOLUTION OF NALCO #9DS-087 & FORMATION WTR.
7. POOH W/PKR & RBP. RIH W/PROD. STRING. RIH W/RODS & PMP. RD. MOL.

3-MMS
2-State
3-Partners
1-Fld 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 Ann McLeod TITLE Engineering Asst. DATE February 10, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

WELL NAME RWU 50 (14-23A)

FIELD NAME Red Wash Unit

COMPLETED TREATMENT PROCEDURE

1. Size and type of treatment: 2000 gal 15% HCl

2. Intervals treated: 5533-38, 5571-81, 5588-90'
5444-64

3. Treatment down casing or tubing: TBG

4. Methods used to localize effects: BENZOIC ACID FLAKES AND BALL SEALERS WERE USED AS DIVERTING AGENTS.

5. Disposal of treating fluid: SPENT ACID WAS SWBD TO FRAC TANK.

6. Depth to which well was cleaned out: PBTD 5648'.

7. Date of work: 12-2-82

8. Company who performed work:

9. Production interval: 5533-5590', 5444-64'.

10. Status and production before treatment:

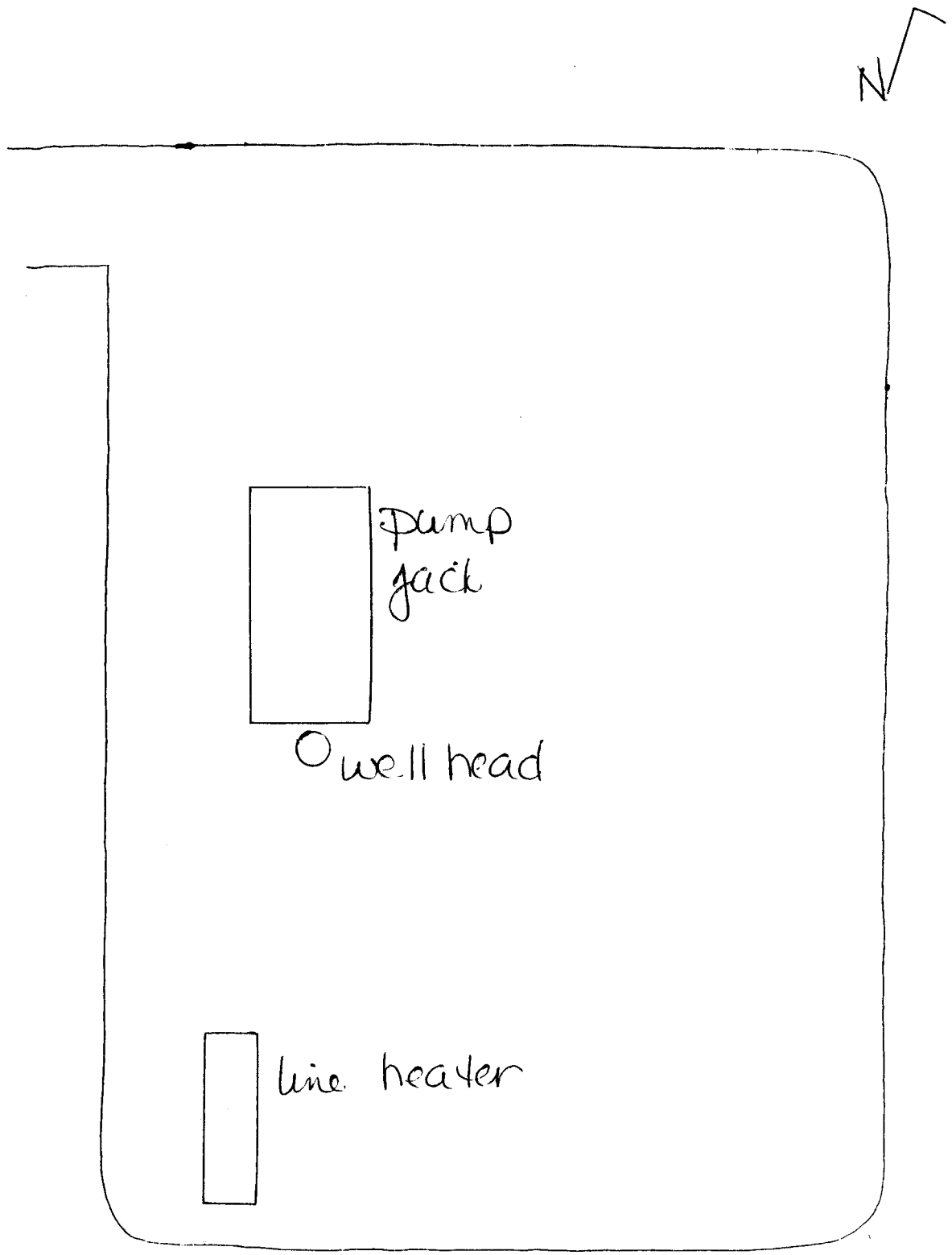
Date	BOPD	MCFD	BWPD
9/82	± 4	-	±103

11. Status and production after treatment:

Date	BOPD	MCFD	BWPD
12/82	4098	877	33,524

15176

RWU 50 Sec 23, T7So, R22E Chubby 5/8/89



Form 3160-5
(June 1990)

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

5. Lease Designation and Serial No.: U-0559
6. If Indian, Allottee or Tribe Name: N/A
7. If Unit or CA, Agreement Designation: RED WASH UNIT
8. Well Name and No.: RED WASH UNIT 50
9. API Well No.: 43-047-15176
10. Field and Pool, or Exploratory Area: RED WASH - GREEN RIVER
11. County or Parish, State: UINTAH, UTAH

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other
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): 660' FSL & 760' FWL (SW SW) SECTION 23, T7S, R22E, SLBM.

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
✓ [X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[X] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other _____	[ ] 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)

DATE OF WORK: 5/9/96 THRU 5/10/96 ✓

1. MIRU.
2. POOH WITH PRODUCTION EQUIPMENT.
3. RIH WITH SCRAPER TAGGING FISH TOP @ 5536'.
4. POOH WITH SCRAPER.
5. SET 7" CIBP @ 5525' WITH 10' CEMENT. PBTD @ 5515'.
6. HYDROTEST PRODUCTION STRING IN HOLE. ALL JOINTS GOOD TO 6000 PSI.
7. RIH WITH PUMP.
8. RIG DOWN AND RETURN WELL TO PRODUCTION.

RECEIVED
JUN 0 3 1996
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed G.D. SCOTT G.D. Scott Title DRILLING TECHNICIAN Date ✓ May 29, 1996

(This space for Federal or State office use)
Approved by: _____ Title _____ Date tax credit 8/12/96
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.

*See instruction on Reverse Side

Form 3160-5
(June 1990)

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.

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

SUBMIT IN TRIPLICATE

1. Type of Well
Oil Well [ ] Gas Well [ ] Other [X] 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)

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other CHANGE OF OPERATOR	[ ] 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
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** 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.

***See instruction on Reverse Side**

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS
2. CDW ✓		5-SJP ✓
3. JLT		6-FILE

Enter date after each listed item is completed

X Change of Operator (Well Sold) Designation of Agent

Operator Name Change (Only) Merger

The operator of the well(s) listed below has changed, effective: **01-01-2000**

FROM: (Old Operator):
CHEVRON USA INC
Address: 11002 E. 17500 S.
VERNAL, UT 84078-8526

Phone: 1-(435)-781-4300
Account No. N0210

TO: (New Operator):
SHENANDOAH ENERGY INC
Address: 11002 E. 17500 S.
VERNAL, UT 84078

Phone: 1-(435)-781-4300
Account N4235

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

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
RWU 39 (14-24A)	43-047-15166	5670	24-07S-22E	FEDERAL	OW	TA
RWU 35 (43-13B)	43-047-15162	5670	13-07S-23E	FEDERAL	OW	TA
RWU 36 (32-13B)	43-047-15163	5670	13-07S-23E	FEDERAL	GW	P
RWU 41 (34-13B)	43-047-15168	5670	13-07S-23E	FEDERAL	OW	P
RWU 33 (14-14B)	43-047-15160	5670	14-07S-23E	FEDERAL	GW	S
RWU 51 (12-16B)	43-047-15177	5670	16-07S-23E	STATE	OW	P
RWU 43 (12-17B)	43-047-15170	5670	17-07S-23E	FEDERAL	OW	P
RWU 52 (14-18B)	43-047-15178	5670	18-07S-23E	FEDERAL	OW	TA
RWU 4 (41-22B)	43-047-15137	5670	22-07S-23E	FEDERAL	OW	TA
RWU 38 (14-23B)	43-047-15165	5670	23-07S-23E	FEDERAL	OW	P
RWU 5 (41-23B)	43-047-15138	5670	23-07S-23E	FEDERAL	OW	P
RWU 50 (14-23A)	43-047-15176	5670	23-07S-22E	FEDERAL	OW	P
RWU 40 (21-24B)	43-047-15167	5670	24-07S-23E	FEDERAL	OW	TA
RWU 37 (41-25B)	43-047-15164	5670	25-07S-23E	FEDERAL	GW	PA
RWU 49 (12-29B)	43-047-15175	5670	29-07S-23E	FEDERAL	OW	TA
RWU 313	43-047-32630	5670	20-07S-24E	FEDERAL	GW	PA
RWU 46 (41-21C)	43-047-15173	5670	21-07S-24E	FEDERAL	GW	P
RWU 311	43-047-32628	5670	26-07S-24E	FEDERAL	OW	PA
RWU 314	43-047-32626	5670	29-07S-24E	FEDERAL	GW	PA
RWU 42 (21-29C)	43-047-15169	5670	29-07S-24E	FEDERAL	GW	P
RWU 44 (32-33C)	43-047-15171	5670	33-07S-24E	FEDERAL	GW	P
RWU 312	43-047-32595	5670	34-07S-24E	FEDERAL	GW	PA

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12-30-1999

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 08-09-2000

3. The new company has been checked through the **Department of Commerce, Division of Corporations Database on:** 08-23-2000

4. Is the new operator registered in the State of Utah: YES Business Number: 224885

5. If **NO**, the operator was contacted contacted on: _____

6. **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: 02/04/2000

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 02/04/2000

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Pro** 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: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 09/25/2000

2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 09/25/2000

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: 159261960

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A

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

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:

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 03-09-01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:

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 17th 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

Well Status Report
Utah State Office
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
UTU0559	4304731581	293 (22-22A) RED WAS	SENW	22	T 7S	R22E	OSI	CHEVRON U S A INCORPORATED
UTU02148	4304731582	294 (24-18C) RED WAS	SESW	18	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU081	4304731577	295 (11-22B) RED WAS	NWNW	22	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0566	4304731578	296 (12-35B) RED WAS	SWNW	35	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304731579	297 (24-15B) RED WAS	SESW	15	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0566	4304731679	298 (22-27B) RED WAS	SENW	27	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0116	4304733018	299	SWNE	18	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU082	4304715136	3 (34-23B) RED WASH	SWSE	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304715157	30 (23-13B) RED WASH	NESW	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304731682	301 (43-15B) RED WAS	NESE	15	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304731683	302 (22-24B) RED WAS	SENW	24	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0116	4304731819	303 (34-17B) RED WAS	SWSE	17	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0830	4304732538	305	NENE	4	T 8S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU093	4304732629	306	NESW	23	T 7S	R24E	POW	CHEVRON U S A INCORPORATED
~~STATE~~	~~4304732632~~	~~307~~	~~SWSW~~	~~16~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTSL071965~~	~~4304732627~~	~~308~~	~~SESW~~	~~28~~	~~T 7S~~	~~R24E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
UTU081	4304715158	31 (34-22B) RED WASH	SWSE	22	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
~~UTSL071965~~	~~4304732628~~	~~311~~	~~NESW~~	~~26~~	~~T 7S~~	~~R24E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
~~UTSL071963~~	~~4304732595~~	~~312~~	~~SWNE~~	~~34~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTU02149~~	~~4304732630~~	~~313~~	~~NESW~~	~~20~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTSL071965~~	~~4304732626~~	~~314~~	~~SESW~~	~~29~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU081	4304715160	33 (14-14B) RED WASH	SWSW	14	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715161	34 (23-14B) RED WASH	NESW	14	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU081	4304715162	35 (43-13B) RED WASH	NESE	13	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715163	36 (32-13B) RED WASH	SWNE	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
~~UTU0823~~	~~4304715164~~	~~37 (41-25B) RED WASH~~	~~NENE~~	~~25~~	~~T 7S~~	~~R23E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU082	4304715165	38 (14-23B) RED WASH	SWSW	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0561	4304715166	39 (14-24A) RED WASH	SWSW	24	T 7S	R22E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715137	4 (41-22B) RED WASH	NENE	22	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304715167	40 (21-24B) RED WASH	NENW	24	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304715168	41 (34-13B) RED WASH	SWSE	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTSL071965	4304715169	42 (21-29C) RED WASH	NENW	29	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU0116	4304715170	43 (12-17B) RED WASH	SWNW	17	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0829	4304715171	44 (32-33C) RED WASH	SWNE	33	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU02030	4304715172	45 (23-30B) RED WASH	NESW	30	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU080	4304715173	46 (41-21C) RED WASH	NENE	21	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU02030	4304715174	48 (32-19B) RED WASH	SWNE	19	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU02025	4304715175	49 (12-29B) RED WASH	SWNW	29	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304715138	5 (41-23B) RED WASH	NENE	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0559	4304715176	50 (14-23A) RED WASH	SWSW	23	T 7S	R22E	POW	CHEVRON U S A INCORPORATED
STATE	4304715177	51 (12-16B) RED WASH	SWNW	16	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0116	4304715178	52 (14-18B) RED WASH	SWSW	18	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0561	4304715179	53 (41-25A) RED WASH	NENE	25	T 7S	R22E	POW	CHEVRON U S A INCORPORATED
~~UTU0559~~	~~4304715181~~	~~55 (41-21A) RED WASH~~	~~NENE~~	~~21~~	~~T 7S~~	~~R22E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
UTU02030	4304715182	56 (41-28B) RED WASH	NENE	28	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU02148	4304715183	57 (12-18C) RED WASH	SWNW	18	T 7S	R24E	POW	CHEVRON U S A INCORPORATED
UTU082	4304716477	59 (12-24B) RED WASH	SWNW	24	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU0567	4304716482	6 (41-21B) RED WASH	NENE	21	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU02025	4304715184	60 (43-30B) RED WASH	NESE	30	T 7S	R23E	TA	CHEVRON U S A INCORPORATED

Division of Oil, Gas and Mining

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: **2/1/2003**

FROM: (Old Operator):	**TO:** (New Operator):
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**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
RWU 70 (23-22A)	22	070S	220E	4304715192	5670	Federal	OW	P	
RWU 50 (14-23A)	23	070S	220E	4304715176	5670	Federal	OW	P	
RWU 53 (41-25A)	25	070S	220E	4304715179	5670	Federal	OW	TA	
RWU 74 (12-13B)	13	070S	230E	4304715196	5670	Federal	GW	P	
RWU 77 (21-13B)	13	070S	230E	4304715199	5670	Federal	OW	P	
RWU 52 (14-18B)	18	070S	230E	4304715178	5670	Federal	OW	TA	
RWU 66 (34-18B)	18	070S	230E	4304715189	5670	Federal	OW	P	
RWU 63 (21-22B)	22	070S	230E	4304715186	5670	Federal	GW	TA	
RWU 67 (42-22B)	22	070S	230E	4304715190	5670	Federal	OW	TA	
RWU 8 (32-22B)	22	070S	230E	4304715139	5670	Federal	OW	P	
RWU 75 (21-26B)	26	070S	230E	4304715197	5670	Federal	OW	TA	
RWU 64 (32-27B)	27	070S	230E	4304715187	5670	Federal	OW	TA	
RWU 69 (21-27B)	27	070S	230E	4304715191	5670	Federal	OW	TA	
RWU 72 (23-27B)	27	070S	230E	4304715194	5670	Federal	OW	TA	
RWU 79 (12-27B)	27	070S	230E	4304715201	5670	Federal	OW	TA	
RWU 80 (14-27B)	27	070S	230E	4304715202	5670	Federal	OW	P	
RWU 78 (32-28B)	28	070S	230E	4304715200	5670	Federal	OW	P	
RWU 57 (12-18C)	18	070S	240E	4304715183	5670	Federal	OW	P	
RWU 71 (21-18C)	18	070S	240E	4304715193	5670	Federal	OW	P	
RWU 76 (32-18C)	18	070S	240E	4304715198	5670	Federal	GW	S	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 8/28/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 8/28/2003
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:

QUESTAR

star Exploration and Production Company
...pendence Plaza
1050 17th Street, Suite 500
Denver, CO 80265
Tel 303 672 6900 • Fax 303 294 9632

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

SEI (N4235) to QEP (N2460) RED WASH UNIT

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	
RED WASH 22-21B	21	070S	230E	4304733522	5670	Federal	OW	TA	
RED WASH 24-20B	20	070S	230E	4304733523	5670	Federal	OW	P	
RED WASH 305 (41-4F)	04	080S	240E	4304732538	5670	Federal	GW	TA	
RED WASH 306	23	070S	240E	4304732629	5670	Federal	GW	P	
RED WASH 44-19B	19	070S	230E	4304733524	5670	Federal	OW	P	
RED WASH 44-20B	20	070S	230E	4304733525	5670	Federal	OW	P	
RWU 1 (41-26B)	26	070S	230E	4304715135	5670	Federal	OW	TA	
RWU 10 (12-23B)	23	070S	230E	4304715141	5670	Federal	OW	TA	
RWU 101 (34-21B)	21	070S	230E	4304715220	5670	Federal	OW	P	
RWU 103 (34-15B)	15	070S	230E	4304715222	5670	Federal	OW	P	
RWU 108 (32-21B)	21	070S	230E	4304715226	5670	Federal	OW	P	
RWU 109 (21-28B)	28	070S	230E	4304715227	5670	Federal	OW	P	
RWU 110 (23-23A)	23	070S	220E	4304715228	5670	Federal	OW	P	
RWU 111 (32-24A)	24	070S	220E	4304715229	5670	Federal	OW	TA	
RWU 112 (32-28A)	28	070S	220E	4304715230	5670	Federal	OW	P	
RWU 115 (21-19B)	19	070S	230E	4304715233	5670	Federal	OW	P	
RWU 119 (43-29A)	29	070S	220E	4304715236	5670	Federal	OW	P	
RWU 120 (23-28B)	28	070S	230E	4304715237	5670	Federal	OW	TA	
RWU 121 (13-13B)	13	070S	230E	4304715238	5670	Federal	GW	P	
RWU 122 (24-14B)	14	070S	230E	4304715239	5670	Federal	OW	P	
RWU 125 (34-19B)	19	070S	230E	4304715242	5670	Federal	OW	TA	
RWU 126 (41-29A)	29	070S	220E	4304715243	5670	Federal	OW	P	
RWU 127 (12-19B)	19	070S	230E	4304715244	5670	Federal	OW	TA	
RWU 129 (14-15B)	15	070S	230E	4304715246	5670	Federal	OW	P	
RWU 13 (14-22B)	22	070S	230E	4304715143	5670	Federal	OW	TA	
RWU 133 (41-34B)	34	070S	230E	4304715250	5670	Federal	OW	P	
RWU 136 (43-19B)	19	070S	230E	4304715252	5670	Federal	OW	TA	
RWU 137 (34-28B)	28	070S	230E	4304715253	5670	Federal	GW	TA	
RWU 138 (41-30B)	30	070S	230E	4304715254	5670	Federal	OW	P	
RWU 140 (24-22B)	22	070S	230E	4304715255	5670	Federal	OW	P	
RWU 141 (11-27B)	27	070S	230E	4304715256	5670	Federal	OW	TA	
RWU 143 (33-14B)	14	070S	230E	4304715257	5670	Federal	OW	P	
RWU 144 (21-18B)	18	070S	230E	4304715258	5670	Federal	OW	TA	
RWU 145 (24-13B)	13	070S	230E	4304715259	5670	Federal	OW	TA	
RWU 147 (22-22B)	22	070S	230E	4304715260	5670	Federal	OW	TA	
RWU 15 (32-17C)	17	070S	240E	4304715145	5670	Federal	OW	P	
RWU 151 (42-14B)	14	070S	230E	4304715264	5670	Federal	OW	P	
RWU 153 (14-29B)	29	070S	230E	4304715265	5670	Federal	OW	P	
RWU 158 (32-30B)	30	070S	230E	4304715268	5670	Federal	OW	P	
RWU 160 (32-15B)	15	070S	230E	4304715270	5670	Federal	OW	P	
RWU 162 (12-20B)	20	070S	230E	4304715272	5670	Federal	OW	TA	
RWU 164 (12-28B)	28	070S	230E	4304715274	5670	Federal	OW	P	
RWU 165 (32-26B)	26	070S	230E	4304715275	5670	Federal	GW	TA	
RWU 167 (23-21B)	21	070S	230E	4304715277	5670	Federal	OW	S	
RWU 168 (23-24B)	24	070S	230E	4304715278	5670	Federal	OW	TA	
RWU 172 (21-30B)	30	070S	230E	4304715280	5670	Federal	OW	TA	
RWU 176 (31-28B)	28	070S	230E	4304715283	5670	Federal	OW	TA	
RWU 177 (42-28B)	28	070S	230E	4304715284	5670	Federal	OW	TA	
RWU 178 (22-13B)	13	070S	230E	4304715285	5670	Federal	OW	TA	
RWU 180 (31-23B)	23	070S	230E	4304715287	5670	Federal	OW	TA	
RWU 181 (34-30B)	30	070S	230E	4304715288	5670	Federal	OW	P	
RWU 184 (23-26B)	26	070S	230E	4304715290	5670	Federal	OW	TA	
RWU 188 (23-20B)	20	070S	230E	4304715291	5670	Federal	OW	TA	
RWU 19 (34-26B)	26	070S	230E	4304715148	5670	Federal	GW	TA	
RWU 192 (41-33A)	33	070S	220E	4304715294	5670	Federal	OW	P	
RWU 193 (43-24B)	24	070S	230E	4304715295	5670	Federal	GW	S	
RWU 194 (12-14B)	14	070S	230E	4304715296	5670	Federal	OW	S	
RWU 196 (23-17C)	17	070S	240E	4304715298	5670	Federal	GW	S	
RWU 201 (32-28C)	28	070S	240E	4304715302	5670	Federal	GW	P	
RWU 204 (23-25A)	25	070S	220E	4304715305	5670	Federal	OW	P	
RWU 205 (23-21C)	21	070S	240E	4304715306	5670	Federal	GW	TA	
RWU 207	17	070S	230E	4304732738	5670	Federal	OW	P	
RWU 21 (32-14B)	14	070S	230E	4304715150	5670	Federal	OW	P	
RWU 212 (41-8F)	08	080S	240E	4304720014	5670	Federal	GW	P	
RWU 21-24A	24	070S	220E	4304733592	5670	Federal	OW	P	

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	
RWU 21-25A	25	070S	220E	4304733576	5670	Federal	OW	P	
RWU 219 (44-21C)	21	070S	240E	4304730149	5670	Federal	GW	P	
RWU 220 (22-23B)	23	070S	230E	4304730192	5670	Federal	OW	TA	
RWU 221 (13-27B)	27	070S	230E	4304730199	5670	Federal	OW	TA	
RWU 22-13A	13	070S	220E	4304733765	5670	Federal	OW	S	
RWU 22-19B	19	070S	230E	4304733559	5670	Federal	OW	P	
RWU 222 (31-27B)	27	070S	230E	4304730200	5670	Federal	GW	TA	
RWU 22-20B	20	070S	230E	4304733491	5670	Federal	OW	P	
RWU 22-25A	25	070S	220E	4304733786	5670	Federal	OW	P	
RWU 22-29B	29	070S	230E	4304733766	5670	Federal	OW	S	
RWU 224 (44-22B)	22	070S	230E	4304730202	5670	Federal	GW	TA	
RWU 225 (13-23B)	23	070S	230E	4304730212	5670	Federal	GW	TA	
RWU 226 (24-23B)	23	070S	230E	4304730249	5670	Federal	GW	S	
RWU 227 (14-26B)	26	070S	230E	4304730257	5670	Federal	OW	TA	
RWU 228 (21-34B)	34	070S	230E	4304730258	5670	Federal	OW	P	
RWU 229 (43-26B)	26	070S	230E	4304730259	5670	Federal	OW	TA	
RWU 230 (14-18C)	18	070S	240E	4304730309	5670	Federal	OW	TA	
RWU 231 (21-35B)	35	070S	230E	4304730310	5670	Federal	OW	TA	
RWU 232 (12-26B)	26	070S	230E	4304730311	5670	Federal	OW	TA	
RWU 23-24A	24	070S	220E	4304733567	5670	Federal	OW	P	
RWU 233 (12-25B)	25	070S	230E	4304730312	5670	Federal	OW	TA	
RWU 234 (32-24B)	24	070S	230E	4304730313	5670	Federal	OW	P	
RWU 235 (34-18C)	18	070S	240E	4304730314	5670	Federal	OW	P	
RWU 236 (21-19C)	19	070S	240E	4304730340	5670	Federal	GW	P	
RWU 237 (14-25B)	25	070S	230E	4304730341	5670	Federal	OW	P	
RWU 238 (32-35B)	35	070S	230E	4304730342	5670	Federal	OW	TA	
RWU 239 (41-35B)	35	070S	230E	4304730343	5670	Federal	OW	TA	
RWU 24 (34-14B)	14	070S	230E	4304715152	5670	Federal	OW	P	
RWU 240 (12-36B)	36	070S	230E	4304730344	5670	Federal	OW	P	
RWU 241 (22-14B)	14	070S	230E	4304730345	5670	Federal	OW	P	
RWU 24-18B	18	070S	230E	4304733554	5670	Federal	OW	P	
RWU 24-19B	19	070S	230E	4304733492	5670	Federal	OW	P	
RWU 242 (42-13B)	13	070S	230E	4304730346	5670	Federal	OW	P	
RWU 243 (42-18C)	18	070S	240E	4304730347	5670	Federal	OW	TA	
RWU 244 (23-19C)	19	070S	240E	4304730348	5670	Federal	GW	P	
RWU 246 (22-18C)	18	070S	240E	4304730387	5670	Federal	OW	P	
RWU 247 (22-17C)	17	070S	240E	4304730388	5670	Federal	GW	P	
RWU 26 (23-22B)	22	070S	230E	4304715153	5670	Federal	OW	TA	
RWU 262 (22-26B)	26	070S	230E	4304730517	5670	Federal	GW	TA	
RWU 265 (44-26B)	26	070S	230E	4304730520	5670	Federal	GW	P	
RWU 267 (32-17B)	17	070S	230E	4304732981	5670	Federal	OW	P	
RWU 27 (43-14B)	14	070S	230E	4304715154	5670	Federal	OW	TA	
RWU 270 (22-35B)	35	070S	230E	4304731082	5670	Federal	OW	P	
RWU 272 (44-23B)	23	070S	230E	4304731054	5670	Federal	GW	P	
RWU 273 (42-27B)	27	070S	230E	4304731051	5670	Federal	OW	TA	
RWU 276 (44-27B)	27	070S	230E	4304731053	5670	Federal	OW	TA	
RWU 278 (11-26)	26	070S	230E	4304731076	5670	Federal	GW	TA	
RWU 28 (43-22B)	22	070S	230E	4304715155	5670	Federal	OW	P	
RWU 280 (11-35B)	35	070S	230E	4304731079	5670	Federal	OW	P	
RWU 282 (42-26B)	26	070S	230E	4304731080	5670	Federal	GW	TA	
RWU 284 (33-23B)	23	070S	230E	4304731476	5670	Federal	GW	TA	
RWU 285 (11-24B)	24	070S	230E	4304731477	5670	Federal	OW	P	
RWU 286 (42-21B)	21	070S	230E	4304731478	5670	Federal	OW	P	
RWU 287 (44-13B)	13	070S	230E	4304731512	5670	Federal	OW	TA	
RWU 288 (24-27)	27	070S	230E	4304731513	5670	Federal	OW	TA	
RWU 289 (13-24B)	24	070S	230E	4304731517	5670	Federal	OW	P	
RWU 29 (32-23B)	23	070S	230E	4304715156	5670	Federal	OW	P	
RWU 292 (42-23B)	23	070S	230E	4304731576	5670	Federal	GW	TA	
RWU 293 (22-22A)	22	070S	220E	4304731581	5670	Federal	OW	TA	
RWU 294 (24-18C)	18	070S	240E	4304731582	5670	Federal	GW	P	
RWU 295 (11-22B)	22	070S	230E	4304731577	5670	Federal	GW	TA	
RWU 296 (12-35B)	35	070S	230E	4304731578	5670	Federal	OW	P	
RWU 297 (24-15B)	15	070S	230E	4304731579	5670	Federal	OW	P	
RWU 298 (22-27B)	27	070S	230E	4304731679	5670	Federal	OW	TA	
RWU 299 (32-18B)	18	070S	230E	4304733018	5670	Federal	OW	P	

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	
RWU 3 (34-23B)	23	070S	230E	4304715136	5670	Federal	OW	P	
RWU 30 (23-13B)	13	070S	230E	4304715157	5670	Federal	GW	TA	
RWU 301 (43-15B)	15	070S	230E	4304731682	5670	Federal	GW	S	
RWU 302 (22-24B)	24	070S	230E	4304731683	5670	Federal	GW	TA	
RWU 303 (34-17B)	17	070S	230E	4304731819	5670	Federal	OW	P	
RWU 31 (34-22B)	22	070S	230E	4304715158	5670	Federal	OW	P	
RWU 33 (14-14B)	14	070S	230E	4304715160	5670	Federal	GW	TA	
RWU 35 (43-13B)	13	070S	230E	4304715162	5670	Federal	OW	TA	
RWU 36 (32-13B)	13	070S	230E	4304715163	5670	Federal	GW	P	
RWU 38 (14-23B)	23	070S	230E	4304715165	5670	Federal	OW	P	
RWU 39 (14-24A)	24	070S	220E	4304715166	5670	Federal	OW	TA	
RWU 4 (41-22B)	22	070S	230E	4304715137	5670	Federal	OW	TA	
RWU 40 (21-24B)	24	070S	230E	4304715167	5670	Federal	OW	TA	
RWU 41 (34-13B)	13	070S	230E	4304715168	5670	Federal	OW	P	
RWU 41-24A	24	070S	220E	4304733769	5670	Federal	OW	P	
RWU 41-25A	25	070S	220E	4304733579	5670	Federal	OW	P	
RWU 42 (21-29C)	29	070S	240E	4304715169	5670	Federal	GW	P	
RWU 42-19B	19	070S	230E	4304733556	5670	Federal	OW	P	
RWU 42-20B	20	070S	230E	4304733490	5670	Federal	OW	P	
RWU 42-24A	24	070S	220E	4304733569	5670	Federal	OW	P	
RWU 42-25A	25	070S	220E	4304733580	5670	Federal	OW	S	
RWU 42-30B	30	070S	230E	4304733771	5670	Federal	OW	P	
RWU 43 (12-17B)	17	070S	230E	4304715170	5670	Federal	OW	P	
RWU 44 (32-33C)	33	070S	240E	4304715171	5670	Federal	GW	P	
RWU 44-18B	18	070S	230E	4304733594	5670	Federal	OW	P	
RWU 44-30B	30	070S	230E	4304733772	5670	Federal	OW	P	
RWU 45 (23-30B)	30	070S	230E	4304715172	5670	Federal	OW	TA	
RWU 46 (41-21C)	21	070S	240E	4304715173	5670	Federal	GW	TA	
RWU 49 (12-29B)	29	070S	230E	4304715175	5670	Federal	OW	TA	
RWU 5 (41-23B)	23	070S	230E	4304715138	5670	Federal	OW	P	
RWU 50 (14-23A)	23	070S	220E	4304715176	5670	Federal	OW	P	
RWU 52 (14-18B)	18	070S	230E	4304715178	5670	Federal	OW	TA	
RWU 53 (41-25A)	25	070S	220E	4304715179	5670	Federal	OW	TA	
RWU 57 (12-18C)	18	070S	240E	4304715183	5670	Federal	OW	P	
RWU 63 (21-22B)	22	070S	230E	4304715186	5670	Federal	GW	TA	
RWU 64 (32-27B)	27	070S	230E	4304715187	5670	Federal	OW	TA	
RWU 66 (34-18B)	18	070S	230E	4304715189	5670	Federal	OW	P	
RWU 67 (42-22B)	22	070S	230E	4304715190	5670	Federal	OW	TA	
RWU 69 (21-27B)	27	070S	230E	4304715191	5670	Federal	OW	TA	
RWU 70 (23-22A)	22	070S	220E	4304715192	5670	Federal	OW	P	
RWU 71 (21-18C)	18	070S	240E	4304715193	5670	Federal	OW	P	
RWU 72 (23-27B)	27	070S	230E	4304715194	5670	Federal	OW	TA	
RWU 74 (12-13B)	13	070S	230E	4304715196	5670	Federal	GW	P	
RWU 75 (21-26B)	26	070S	230E	4304715197	5670	Federal	OW	TA	
RWU 76 (32-18C)	18	070S	240E	4304715198	5670	Federal	GW	S	
RWU 77 (21-13B)	13	070S	230E	4304715199	5670	Federal	OW	P	
RWU 78 (32-28B)	28	070S	230E	4304715200	5670	Federal	OW	P	
RWU 79 (12-27B)	27	070S	230E	4304715201	5670	Federal	OW	TA	
RWU 8 (32-22B)	22	070S	230E	4304715139	5670	Federal	OW	P	
RWU 80 (14-27B)	27	070S	230E	4304715202	5670	Federal	OW	P	
RWU 81 (41-31B)	31	070S	230E	4304715203	5670	Federal	OW	P	
RWU 83 (41-27A)	27	070S	220E	4304715205	5670	Federal	OW	P	
RWU 84 (44-14B)	14	070S	230E	4304715206	5670	Federal	GW	P	
RWU 9 (43-23B)	23	070S	230E	4304715140	5670	Federal	OW	P	
RWU 90 (43-21B)	21	070S	230E	4304715211	5670	Federal	OW	P	
RWU 92 (11-23B)	23	070S	230E	4304715212	5670	Federal	OW	TA	
RWU 94 (12-22A)	22	070S	220E	4304715213	5670	Federal	OW	P	
RWU 99 (12-22B)	22	070S	230E	4304715218	5670	Federal	OW	P	
RED WASH UNIT 259	16	070S	230E	4304732785	5670	State	OW	P	
RED WASH UNIT 260	16	070S	230E	4304732786	5670	State	OW	P	
RWU 51 (12-16B)	16	070S	230E	4304715177	5670	State	OW	P	
RWU ST 189 (41-16B)	16	070S	230E	4304715292	5670	State	OW	P	
RED WASH UNIT 261	17	070S	230E	4304732739	5670	Federal	WI	A	
RWU 100-A (43-21A)	21	070S	220E	4304715219	5670	Federal	WI	A	

well_name	Sec	T	R	api	Entity	Lease Type	type	stat
RWU 102 (41-24A)	24	070S	220E	4304715221	5670	Federal	WI	A
RWU 11	27	070S	230E	4304715142	5670	Federal	WI	A
RWU 11-19B	19	070S	230E	4304733552	5670	Federal	WI	A
RWU 11-20B	20	070S	230E	4304733553	5670	Federal	WI	A
RWU 11-25A	25	070S	220E	4304733574	5670	Federal	WI	A
RWU 11-29B	29	070S	230E	4304733590	5670	Federal	WI	A
RWU 11-30B	30	070S	230E	4304733785	5670	Federal	WI	A
RWU 12-24A	24	070S	220E	4304733591	5670	Federal	WI	A
RWU 13-19B	19	070S	230E	4304733497	5670	Federal	WI	A
RWU 13-20B	20	070S	230E	4304733498	5670	Federal	WI	A
RWU 13-25A	25	070S	220E	4304733575	5670	Federal	WI	A
RWU 14 (14-13B)	13	070S	230E	4304715144	5670	Federal	WI	A
RWU 148 (13-22B)	22	070S	230E	4304715261	5670	Federal	WI	A
RWU 150 (31-22B)	22	070S	230E	4304715263	5670	Federal	WI	I
RWU 156 (23-15B)	15	070S	230E	4304715267	5670	Federal	WI	A
RWU 16 (43-28B)	28	070S	230E	4304716475	5670	Federal	WI	I
RWU 161 (14-20B)	20	070S	230E	4304715271	5670	Federal	WI	I
RWU 17 (41-20B)	20	070S	230E	4304715146	5670	Federal	WI	A
RWU 170 (41-15B)	15	070S	230E	4304716495	5670	Federal	WI	I
RWU 173 (21-21B)	21	070S	230E	4304716496	5670	Federal	WI	A
RWU 174 (21-20B)	20	070S	230E	4304715281	5670	Federal	WI	A
RWU 182 (14-21B)	21	070S	230E	4304716497	5670	Federal	WI	A
RWU 183 (33-13B)	13	070S	230E	4304715289	5670	Federal	WI	A
RWU 185 (41-1B)	14	070S	230E	4304716498	5670	Federal	WI	A
RWU 199 (43-22A)	22	070S	220E	4304715301	5670	Federal	WI	A
RWU 2 (14-24B)	24	070S	230E	4304716472	5670	Federal	WI	A
RWU 202 (21-34A)	34	070S	220E	4304715303	5670	Federal	WI	I
RWU 213 (41-33B)	33	070S	230E	4304720060	5670	Federal	WD	A
RWU 215 (43-28A)	28	070S	220E	4304730058	5670	Federal	WI	A
RWU 216 (21-27A)	27	070S	220E	4304730103	5670	Federal	WI	A
RWU 23 (21-23B)	23	070S	230E	4304715151	5670	Federal	WI	A
RWU 23-18C (97)	18	070S	240E	4304715216	5670	Federal	WI	I
RWU 25 (23-23B)	23	070S	230E	4304716476	5670	Federal	WI	A
RWU 258 (34-22A)	22	070S	220E	4304730458	5670	Federal	WI	A
RWU 263 (24-26B)	26	070S	230E	4304730518	5670	Federal	WI	I
RWU 264 (31-35B)	35	070S	230E	4304730519	5670	Federal	WI	A
RWU 266 (33-26B)	26	070S	230E	4304730521	5670	Federal	WI	I
RWU 268 (43-17B)	17	070S	230E	4304732980	5670	Federal	WI	A
RWU 269 (13-26B)	26	070S	230E	4304730522	5670	Federal	WI	I
RWU 271 (42-35B)	35	070S	230E	4304731081	5670	Federal	WI	I
RWU 275 (31-26B)	26	070S	230E	4304731077	5670	Federal	WI	A
RWU 279 (11-36B)	36	070S	230E	4304731052	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 31-25A	25	070S	220E	4304733577	5670	Federal	WI	A
RWU 31-30B	30	070S	230E	4304733788	5670	Federal	WI	A
RWU 33-19B	19	070S	230E	4304733499	5670	Federal	WI	A
RWU 33-20B	20	070S	230E	4304733500	5670	Federal	WI	A
RWU 33-25A	25	070S	220E	4304733578	5670	Federal	WI	A
RWU 33-30B	30	070S	230E	4304733790	5670	Federal	WI	A
RWU 34 (23-14B)	14	070S	230E	4304715161	5670	Federal	WI	A
RWU 34-13A	13	070S	220E	4304733593	5670	Federal	WI	A
RWU 34-24A	24	070S	220E	4304733568	5670	Federal	WI	A
RWU 48 (32-19B)	19	070S	230E	4304715174	5670	Federal	WI	I
RWU 56 (41-28B)	28	070S	230E	4304715182	5670	Federal	WI	A
RWU 59 (12-24B)	24	070S	230E	4304716477	5670	Federal	WI	A
RWU 6 (41-21B)	21	070S	230E	4304716482	5670	Federal	WI	A
RWU 61 (12-27A)	27	070S	220E	4304716478	5670	Federal	WI	I
RWU 68 (41-13B)	13	070S	230E	4304716485	5670	Federal	WI	I
RWU 7 (41-27B)	27	070S	230E	4304716473	5670	Federal	WI	I
RWU 88 (23-18B)	18	070S	230E	4304715210	5670	Federal	WI	A
RWU 91 (33-22B)	22	070S	230E	4304716479	5670	Federal	WI	A
RWU 93 (43-27B)	27	070S	230E	4304716480	5670	Federal	WI	I
RWU 324 (23-16B)	16	070S	230E	4304733084	5670	State	WI	I

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 17th 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 it 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 0 7 2003

3104 (932.34)WF
Nationwide Bond ESB000024

NOTICE

QEP Uinta Basin, Inc. 1050 17th 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 Unita Basin
MFO

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
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**

FROM: (Old Operator):	**TO:** (New Operator):
N2460-QEP Uinta Basin, Inc.	N5085-Questar E&P Company
1050 17th St, Suite 500	1050 17th St, Suite 500
Denver, CO 80265	Denver, CO 80265
Phone: 1 (303) 672-6900	Phone: 1 (303) 672-6900

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

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 1/31/2005

4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143

5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: n/a

6. **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
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on:
9. **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:

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

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 799446

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033

3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (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	SENW	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

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

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	SENW	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	SENW	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

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

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

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	SENW	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	SENW	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	SENW	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	SENW	13	070S	220E	4304733765	13296	Federal	OW	S
RWU 22-29B	RW 22-29B	SENW	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	SENW	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	SENW	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

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 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.

5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
7. UNIT or CA AGREEMENT NAME: see attached
8. WELL NAME and NUMBER: see attached
9. API NUMBER: attached
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER _____
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 308-3068
4. LOCATION OF WELL
FOOTAGES AT SURFACE: attached COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 1/1/2007	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ 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) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs
SIGNATURE _____ DATE 3/16/2007

(This space for State use only)

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APR 19 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
7. UNIT or CA AGREEMENT NAME: see attached
8. WELL NAME and NUMBER: see attached
9. API NUMBER: attached
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 308-3068
4. LOCATION OF WELL
FOOTAGES AT SURFACE: attached
COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 1/1/2007	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Well Name Changes
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs
SIGNATURE DATE 4/17/2007

(This space for State use only)

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APR 19 2007
DIV. OF OIL, GAS & MINING

(5/2000)

(See Instructions on Reverse Side)

United States Department of the Interior

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

TAKE PRIDE IN AMERICA

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

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APR 30 2007
DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

Change of Operator (Well Sold) **X - Operator Name Change**

The operator of the well(s) listed below has changed, effective: **6/14/2010**

FROM: (Old Operator):	**TO:** (New Operator):
N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048

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

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/24/2010

4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143

5a. (R649-9-2)Waste Management Plan has been received on: Requested

5b. Inspections of LA PA state/fee well sites complete on: n/a

5c. Reports current for Production/Disposition & Sundries on: ok

6. **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 8/16/2010 BIA not yet
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** 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: 6/29/2010

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 6/30/2010
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 6/30/2010
3. Bond information entered in RBDMS on: 6/30/2010
4. Fee/State wells attached to bond in RBDMS on: 6/30/2010
5. Injection Projects to new operator in RBDMS on: 6/30/2010
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 965010693

3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695

3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (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:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
7. UNIT or CA AGREEMENT NAME: See attached
8. WELL NAME and NUMBER: See attached
9. API NUMBER: Attached
10. FIELD AND POOL, OR WILDCAT: See attached

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER _____

2. NAME OF OPERATOR: Questar Exploration and Production Company N5085

3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 672-6900

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached

COUNTY: Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 6/14/2010	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy 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) N3700
Utah State Bond Number: ~~965003033~~ 965010695
Fee Land Bond Number: ~~965003033~~
BIA Bond Number: ~~799446~~ 965010693

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst

SIGNATURE Morgan Anderson DATE 6/23/2010

(This space for State use only)

RECEIVED
JUN 28 2010
DIV. OF OIL, GAS & MINING

APPROVED 6/30/2009
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000) (See Instructions on Reverse Side)

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 34-23B	23	070S	230E	4304715136	5670	Federal	OW	P	
RW 41-23B	23	070S	230E	4304715138	5670	Federal	OW	P	
RW 32-22B	22	070S	230E	4304715139	5670	Federal	OW	P	
RW 43-23B	23	070S	230E	4304715140	5670	Federal	OW	P	
RW 32-17C	17	070S	240E	4304715145	5670	Federal	OW	P	
RW 34-26B	26	070S	230E	4304715148	5670	Federal	GW	TA	
RW 32-14B	14	070S	230E	4304715150	5670	Federal	OW	P	
RW 34-14B	14	070S	230E	4304715152	5670	Federal	OW	S	
RW 23-22B	22	070S	230E	4304715153	5670	Federal	OW	TA	
RW 43-22B	22	070S	230E	4304715155	5670	Federal	OW	P	
RW 32-23B	23	070S	230E	4304715156	5670	Federal	OW	P	
RW 23-13B	13	070S	230E	4304715157	5670	Federal	GW	TA	
RW 34-22B	22	070S	230E	4304715158	5670	Federal	OW	P	
RW 32-13B	13	070S	230E	4304715163	5670	Federal	GW	P	
RW 14-23B	23	070S	230E	4304715165	5670	Federal	OW	S	
RW 14-24A	24	070S	220E	4304715166	17554	Federal	OW	DRL	
RW 21-24B	24	070S	230E	4304715167	5670	Federal	OW	TA	
RW 34-13B	13	070S	230E	4304715168	5670	Federal	OW	P	
RW 21-29C	29	070S	240E	4304715169	5670	Federal	GW	P	
RW 12-17B	17	070S	230E	4304715170	5670	Federal	OW	P	
RW 32-33C	33	070S	240E	4304715171	5670	Federal	GW	P	
RW 14-23A	23	070S	220E	4304715176	5670	Federal	OW	P	
RW 12-18C	18	070S	240E	4304715183	5670	Federal	OW	P	
RW 21-22B	22	070S	230E	4304715186	5670	Federal	GW	TA	
RW 34-18B	18	070S	230E	4304715189	5670	Federal	OW	P	
RW 21-27B	27	070S	230E	4304715191	5670	Federal	OW	TA	
RW 23-22A	22	070S	220E	4304715192	5670	Federal	OW	P	
RW 21-18C	18	070S	240E	4304715193	5670	Federal	OW	P	
RW 12-13B	13	070S	230E	4304715196	5670	Federal	GW	S	
RW 32-18C	18	070S	240E	4304715198	5670	Federal	GW	P	
RWU 77 (21-13B)	13	070S	230E	4304715199	5670	Federal	OW	P	
RW 32-28B	28	070S	230E	4304715200	5670	Federal	OW	P	
RW 12-27B	27	070S	230E	4304715201	5670	Federal	OW	TA	
RW 14-27B	27	070S	230E	4304715202	5670	Federal	OW	P	
RW 41-31B	31	070S	230E	4304715203	5670	Federal	OW	P	
RW 41-27A	27	070S	220E	4304715205	5670	Federal	OW	S	
RW 44-14B	14	070S	230E	4304715206	5670	Federal	GW	P	
RW 43-21B	21	070S	230E	4304715211	5670	Federal	OW	P	
RW 12-22A	22	070S	220E	4304715213	5670	Federal	OW	P	
RW 12-22B	22	070S	230E	4304715218	5670	Federal	OW	P	
RW 34-21B	21	070S	230E	4304715220	5670	Federal	OW	P	
RW 34-15B	15	070S	230E	4304715222	5670	Federal	OW	P	
RW 32-21B	21	070S	230E	4304715226	5670	Federal	OW	P	
RW 21-28B	28	070S	230E	4304715227	5670	Federal	OW	P	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 23-23A	23	070S	220E	4304715228	5670	Federal	OW	P	
RW 32-24A	24	070S	220E	4304715229	5670	Federal	OW	P	
RW 32-28A	28	070S	220E	4304715230	5670	Federal	OW	S	
RW 21-19B	19	070S	230E	4304715233	5670	Federal	OW	P	
RW 43-29A	29	070S	220E	4304715236	5670	Federal	OW	S	C
RW 23-28B	28	070S	230E	4304715237	17525	Federal	OW	P	C
RW 13-13B	13	070S	230E	4304715238	5670	Federal	GW	P	
RW 24-14B	14	070S	230E	4304715239	5670	Federal	OW	P	
RW 41-29A	29	070S	220E	4304715243	5670	Federal	OW	P	
RW 14-15B	15	070S	230E	4304715246	5670	Federal	OW	P	
RW 41-34B	34	070S	230E	4304715250	5670	Federal	OW	P	
RW 41-30B	30	070S	230E	4304715254	5670	Federal	OW	P	
RW 24-22B	22	070S	230E	4304715255	5670	Federal	OW	P	
RW 33-14B	14	070S	230E	4304715257	5670	Federal	OW	P	
RW 21-18B	18	070S	230E	4304715258	5670	Federal	OW	TA	
RW 22-22B	22	070S	230E	4304715260	5670	Federal	OW	TA	C
RW 42-14B	14	070S	230E	4304715264	5670	Federal	OW	P	
RW 14-29B	29	070S	230E	4304715265	5670	Federal	OW	P	
RW 32-30B	30	070S	230E	4304715268	5670	Federal	OW	P	
RW 32-15B	15	070S	230E	4304715270	5670	Federal	OW	P	
RW 12-20B	20	070S	230E	4304715272	5670	Federal	OW	S	
RW 12-28B	28	070S	230E	4304715274	5670	Federal	OW	P	
RW 32-26B	26	070S	230E	4304715275	5670	Federal	GW	TA	
RW 31-28B	28	070S	230E	4304715283	5670	Federal	OW	TA	
RW 34-30B	30	070S	230E	4304715288	5670	Federal	OW	P	
RW 23-26B	26	070S	230E	4304715290	5670	Federal	GW	S	
RW 41-33A	33	070S	220E	4304715294	5670	Federal	OW	P	
RW 43-24B	24	070S	230E	4304715295	5670	Federal	GW	TA	
RW 12-14B	14	070S	230E	4304715296	5670	Federal	OW	S	
RW 32-28C	28	070S	240E	4304715302	5670	Federal	GW	P	
RW 23-25A	25	070S	220E	4304715305	5670	Federal	OW	P	
RW 41-8F	08	080S	240E	4304720014	5670	Federal	GW	P	
RW 44-21C	21	070S	240E	4304730149	5670	Federal	GW	S	
RW 13-27B	27	070S	230E	4304730199	5670	Federal	OW	TA	
RW 21-34B	34	070S	230E	4304730258	5670	Federal	OW	P	
RW 43-26B	26	070S	230E	4304730259	5670	Federal	OW	TA	
RW 14-18C	18	070S	240E	4304730309	5670	Federal	OW	P	
RW 12-26B	26	070S	230E	4304730311	5670	Federal	OW	TA	
RW 32-24B	24	070S	230E	4304730313	5670	Federal	OW	P	
RW 34-18C	18	070S	240E	4304730314	5670	Federal	OW	P	
RW 21-19C	19	070S	240E	4304730340	5670	Federal	GW	P	
RW 14-25B	25	070S	230E	4304730341	5670	Federal	OW	P	
RW 32-35B	35	070S	230E	4304730342	5670	Federal	OW	TA	
RW 12-36B	36	070S	230E	4304730344	5670	Federal	OW	S	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 22-14B	14	070S	230E	4304730345	5670	Federal	OW	P	
RW 42-13B	13	070S	230E	4304730346	5670	Federal	OW	P	
RW 23-19C	19	070S	240E	4304730348	5670	Federal	GW	P	
RW 22-18C	18	070S	240E	4304730387	5670	Federal	OW	P	
RW 22-17C	17	070S	240E	4304730388	5670	Federal	GW	P	
RW 44-26B	26	070S	230E	4304730520	5670	Federal	GW	P	
RW 42-27B	27	070S	230E	4304731051	5670	Federal	OW	TA	
RW 44-27B	27	070S	230E	4304731053	5670	Federal	OW	TA	
RW 44-23B	23	070S	230E	4304731054	5670	Federal	GW	P	
RW 11-35B	35	070S	230E	4304731079	5670	Federal	OW	P	
RW 22-35B	35	070S	230E	4304731082	5670	Federal	OW	P	
RW 33-23B	23	070S	230E	4304731476	5670	Federal	GW	TA	
RW 11-24B	24	070S	230E	4304731477	5670	Federal	OW	P	
RW 42-21B	21	070S	230E	4304731478	5670	Federal	OW	P	
RW 13-24B	24	070S	230E	4304731517	5670	Federal	OW	P	
RW 42-23B	23	070S	230E	4304731576	5670	Federal	GW	TA	
RW 12-35B	35	070S	230E	4304731578	5670	Federal	OW	S	
RW 24-15B	15	070S	230E	4304731579	5670	Federal	OW	P	
RW 24-18C	18	070S	240E	4304731582	5670	Federal	GW	P	
RW 43-15B	15	070S	230E	4304731682	17643	Federal	GW	DRL	C
RW 34-17B	17	070S	230E	4304731819	5670	Federal	OW	P	
RW 41-4F	04	080S	240E	4304732538	5670	Federal	GW	TA	
RW 23-23C	23	070S	240E	4304732629	5670	Federal	GW	P	
RW 14-17B	17	070S	230E	4304732738	5670	Federal	OW	P	
RW 32-17B	17	070S	230E	4304732981	5670	Federal	OW	P	
RW 32-18B	18	070S	230E	4304733018	5670	Federal	OW	P	
RW 42-20B	20	070S	230E	4304733490	5670	Federal	OW	P	
RW 22-20B	20	070S	230E	4304733491	5670	Federal	OW	P	
RW 24-19B	19	070S	230E	4304733492	5670	Federal	OW	P	
RW 22-21B	21	070S	230E	4304733522	5670	Federal	OW	S	
RW 24-20B	20	070S	230E	4304733523	5670	Federal	OW	P	
RW 44-19B	19	070S	230E	4304733524	5670	Federal	OW	P	
RW 44-20B	20	070S	230E	4304733525	5670	Federal	OW	P	
RW 24-18B	18	070S	230E	4304733554	5670	Federal	OW	P	
RW 42-19B	19	070S	230E	4304733556	5670	Federal	OW	P	
RW 22-19B	19	070S	230E	4304733559	5670	Federal	OW	P	
RW 23-24A	24	070S	220E	4304733567	5670	Federal	OW	P	
RW 42-24A	24	070S	220E	4304733569	5670	Federal	OW	P	
RW 21-25A	25	070S	220E	4304733576	5670	Federal	OW	P	
RW 41-25A	25	070S	220E	4304733579	5670	Federal	OW	P	
RW 21-24A	24	070S	220E	4304733592	5670	Federal	OW	P	
RW 44-18B	18	070S	230E	4304733594	5670	Federal	OW	P	
RW 41-24A	24	070S	220E	4304733769	5670	Federal	OW	P	
RW 42-30B	30	070S	230E	4304733771	5670	Federal	OW	S	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RWU 44-30B	30	070S	230E	4304733772	5670	Federal	OW	P	
RW 22-25A	25	070S	220E	4304733786	5670	Federal	OW	P	
RW 34-27C	27	070S	240E	4304735045	5670	Federal	GW	P	
RW 34-22C	22	070S	240E	4304735098	5670	Federal	GW	P	
RW 34-23AG	23	070S	220E	4304735668	5670	Federal	OW	P	
RWU 32-27AG	27	070S	220E	4304735670	5670	Federal	OW	P	
RW 14-34AMU	34	070S	220E	4304735671	14277	Federal	GW	P	
RW 44-08FG	08	080S	240E	4304736349	15261	Federal	GW	P	
RW 34-34 AD	34	070S	220E	4304736351	16177	Federal	GW	P	
RW 33-31 BD	31	070S	230E	4304736357		Federal	GW	APD	C
RW 13-31 BD	31	070S	230E	4304736358		Federal	GW	APD	C
RW 21-26AD	26	070S	220E	4304736768	5670	Federal	OW	OPS	C
RW 43-26AG	26	070S	220E	4304736769	16575	Federal	OW	OPS	C
RW 43-23AG	23	070S	220E	4304736770	5670	Federal	OW	OPS	C
RW 41-26AG	26	070S	220E	4304736818	5670	Federal	OW	OPS	C
RW 04-25B	25	070S	230E	4304736982	17224	Federal	OW	P	
RW 34-27ADR	27	070S	220E	4304739445	16330	Federal	GW	P	
RW 32-29CD	29	070S	240E	4304739854		Federal	GW	APD	C
RW 24-10FD	10	080S	240E	4304739963		Federal	GW	APD	C
RW 34-20CD	20	070S	240E	4304739964		Federal	GW	APD	C
RW 32-20CD	20	070S	240E	4304739965		Federal	GW	APD	
RW 24-21CD	21	070S	240E	4304739966		Federal	GW	APD	C
RW 41-28CD	28	070S	240E	4304739967		Federal	GW	APD	C
RW 41-33CD	33	070S	240E	4304739968		Federal	GW	APD	C
RW 14-35 AMU	35	070S	220E	4304740051		Federal	GW	APD	C
RW 44-35 AMU	35	070S	220E	4304740052		Federal	GW	APD	
RW 12-17FG	17	080S	240E	4304740602		Federal	GW	APD	C

Bonds: BLM = ESB000024
BIA = 956010693
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United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov/ut/st/en.html

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3100
(UT-922)

JUL 28 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office

From: Chief, Branch of Minerals Roger L Bankert

Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

RECEIVED
AUG 16 2010
DIV. OF OIL, GAS & MINING

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0559

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: RW 14-23A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047151760000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0660 FSL 0760 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 23 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/1/2011	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	✓ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

QEP Energy Company requests approval to deepen the above well to a total depth of 11,833 to the Mesaverde Formation. In addition, the well pad has been modified to accomodate the larger drill rig and the Surface Use Plan has been revised to address all other changes. The ammended footages are: 664' FSL, 758' FWL. QEP Energy Company respectfully requests the type of well change- From: Oil To: Gas. Please refer to the following plans: Surface Use Plan, 8-Point Drilling Plan, Plat Package, Weed Data Sheet.

635075X 40.191588
4450019Y -109.413211

Federal Approval of this Action is Necessary

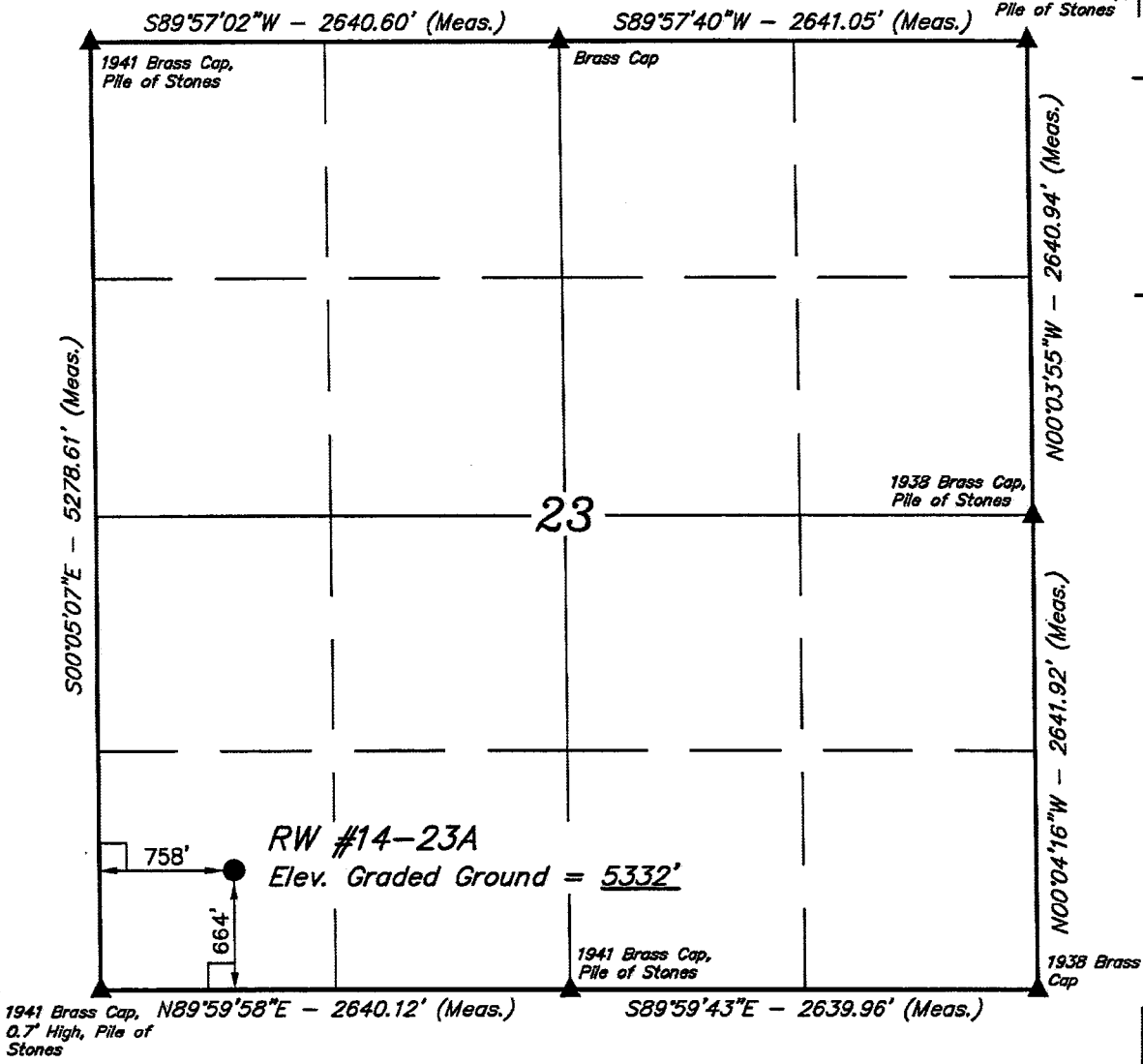
Approved by the Utah Division of Oil, Gas and Mining

Date: 06-22-11

By: [signature]

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE N/A		**DATE** 6/16/2011

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



QEP ENERGY COMPANY

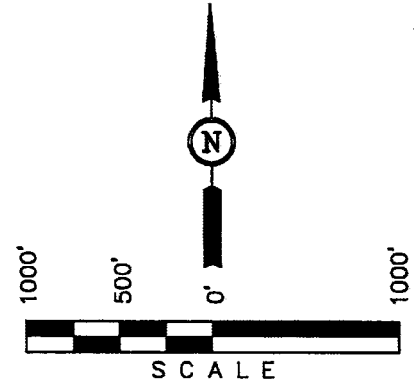
Well location, RW #14–23A (RE–ENTRY), located as shown in the SW 1/4 SW 1/4 of Section 23, T7S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

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



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.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°11'29.60" (40.191556)
LONGITUDE = 109°24'50.23" (109.413953)
(NAD 27)
LATITUDE = 40°11'29.73" (40.191592)
LONGITUDE = 109°24'47.76" (109.413267)

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

SCALE 1" = 1000'	DATE SURVEYED: 03–11–11	DATE DRAWN: 03–18–11
PARTY A.F. J.C. K.O.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QEP ENERGY COMPANY	

QEP Energy Company
RW 14-23A Drilling Prog
API: 43-047-15176
Summarized Re-Entry Procedure

1. Clear location of all unnecessary equipment.
2. MIRU pulling unit.
3. ND tubing head, NU BOP's (3M).
4. Kill well if necessary.
5. POOH with all existing production equipment and tubing.
6. Completions will prep well for re-entry.
7. POOH.
8. ND BOP's
9. RD pulling unit, move off location.
10. MIRU drilling rig.
11. NU rig's 5M BOPE.
12. Drill out shoe and down to 11,833'.
13. Log well. Triple or Quad-Combo (GR, NEU/DEN, IND, RES, SON)
14. RIH with 4-1/2" 11.6# HCP-110 casing and cement.
15. ND BOP's.
16. RDMO.

ONSHORE OIL & GAS ORDER NO. 1
QEP ENERGY COMPANY
RW 14-23A (API#: 43-047-15176)

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:

Formation	Depth, TVD & MD
Green River	3,010'
Mahogany	3,928'
Original TD	6,245'
Wasatch	6,553'
Mesaverde	9,473'
Sego	11,733'
TD	11,833'

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:

Substance	Formation	Depth, TVD & MD
Gas	Wasatch	6,553'
Gas	Mesaverde	9,473'
Gas	Sego	11,733'

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

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

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

3. Operator's Specification for Pressure Control Equipment

A. 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 connections subject to pressure shall be flanged, welded or clamped.

C. Kill line (2" min), 2 choke line valves (3" min), choke line (3" min), 2 kill line valves (2" min) and a check valve, 2 chokes with one remotely controlled from rig floor and a pressure gauge on choke manifold.

D. Upper and Lower Kelly cock valves with handles and safety valve and subs to fit all drill string connections.

E. IBOP or float sub available.

F. Fill up line must be installed above the uppermost preventer.

G. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 5M system and individual components shall be operable as designed.

4. Casing Design:

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.	Expected MW(ppg)
13 ¾"	10 ¾"	sfc	449'	40.5#	J-55	STC	Existing	N/A
8 3/4"	7"	sfc	6,245'	23#	J-55	LTC	Existing	N/A
6 1/8"	4 1/2"	sfc	11,833'	11.6#	HCP-110	LTC	New	8.8 – 10.5

Casing Strengths:				Collapse	Burst	Tensile (min)
10 ¾"	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: 7,200 psi

5. Cementing Program

4-1/2" Production Casing:

Lead Slurry: 3,000' (TOC) – 9,473'. 240 sks (744 ft^3) Halliburton Extendacem, 3 pps Silicalite (extender), 1 pps Granulite TR ¼ (LCM), 0.125 pps Poly – E – Flake. Slurry Weight 11.0 lb/gal, 3.18 ft^3/sk, 25% excess over gauge in open hole only.

Tail Slurry: 9,473 – 11,833'. 170 sks (281 ft^3), Halliburton Expandacem, 0.2% Super CBL (Expander), 0.45% HR-5 (Retarder), 1 pps Granulite TR ¼, 0.125 pps Poly-E-Flake (LCM). Slurry Weight 13.5 lb/gal, 1.71 ft^3/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

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

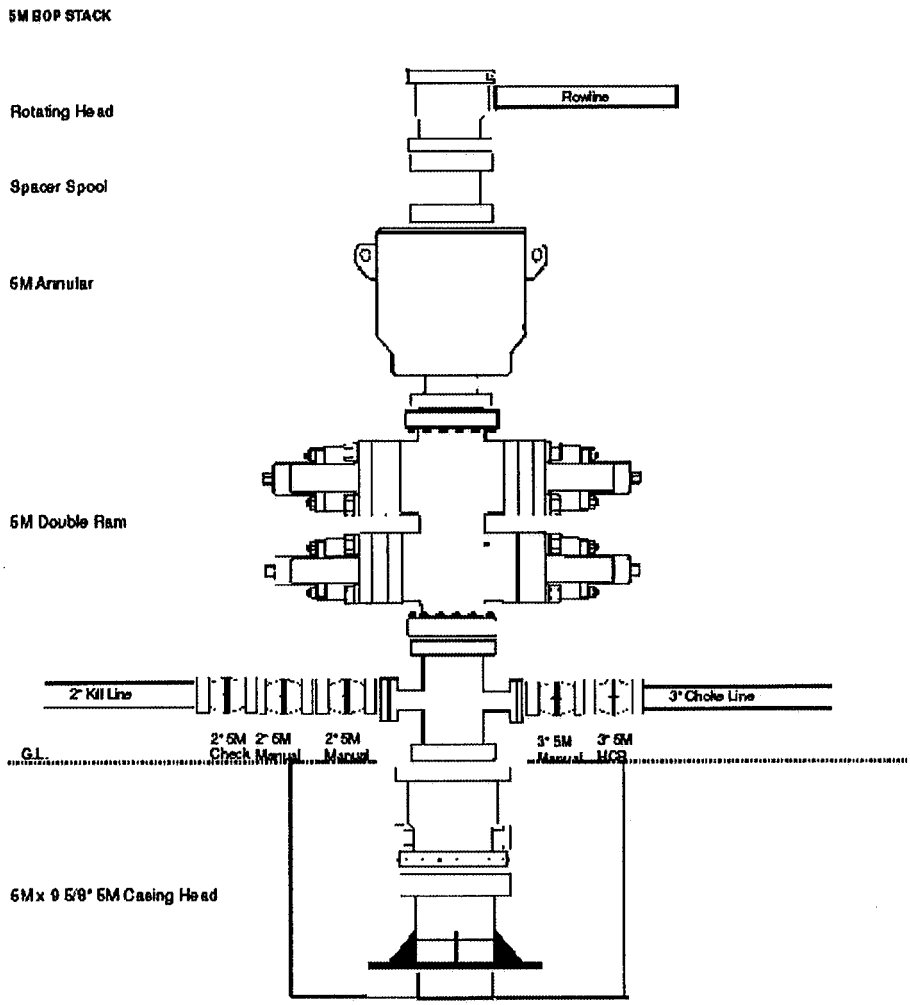
C. Logging – Mud logging – Intermediate Casing to TD
OH Logs: GR-SP-Induction, Neutron Density.

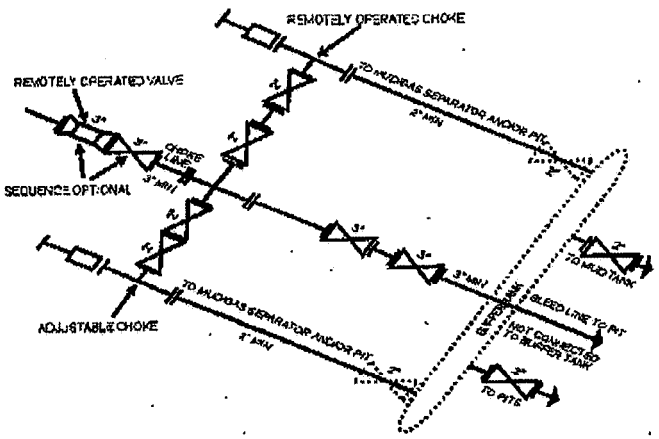
D. Formation and Completion Interval:
– Stimulation will be designed for the particular area of interest as encountered.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

No abnormal temperatures or pressures are anticipated. Maximum anticipated bottom hole pressure equals approximately 6,461 psi. Maximum anticipated bottom hole temperature is 218° F.

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


5M BOP STACK
Rotating Head
Spacer Spool
5M Annular
5M Double Ram
2" Kill Line
3" Choke Line
G.L.
2" 5M Check
2" 5M Manual
2" 5M Manual
3" 5M Manual
3" 5M HCR
5M x 9 5/8" 5M Casing Head
Rowline



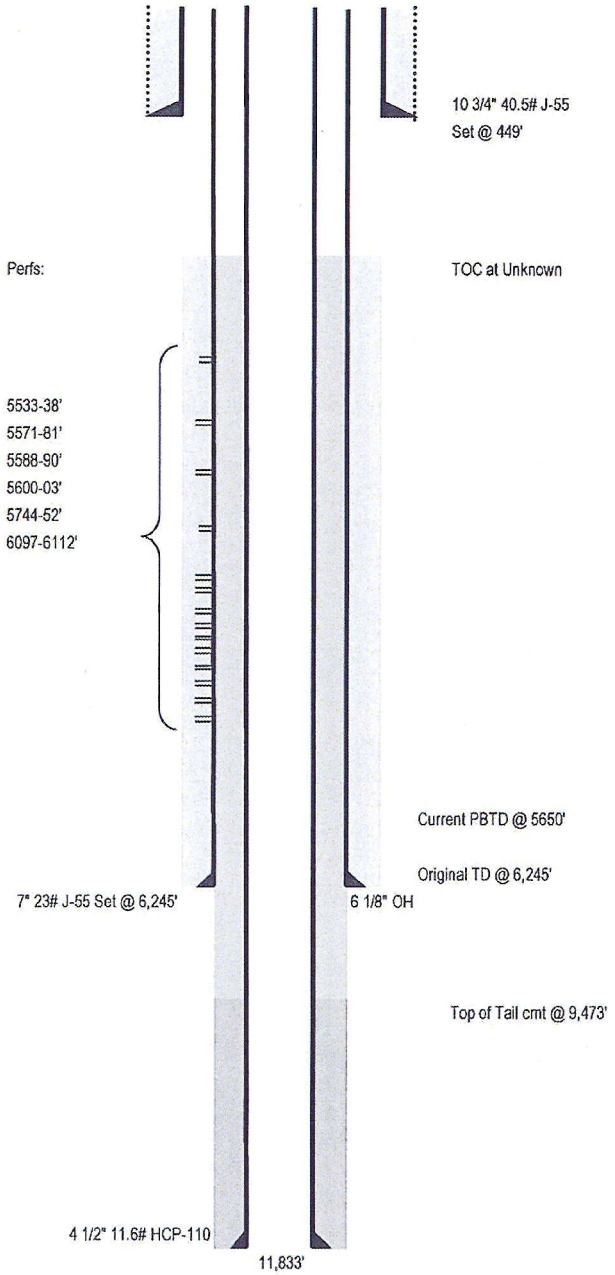
5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

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

[54 FR 39328, Sept. 27, 1989]

Updated MPG 4-26-2011

RW 14-23A
API# 43-047-15176
SWSW Sec 23 T7S R22E
Uintah County, Utah
KB 5,546'
GL 5,532
Original Spud 8/17/1956



QEP ENERGY COMPANY
RW 14-23A
664' FSL 758' FWL
SWSW, SECTION 23, T7S, R22E
UINTAH COUNTY, UTAH
LEASE # UTU-082

ONSHORE ORDER NO. 1
MULTI – POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the RW 14-23A on May 4, 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
Holly Villa	Bureau of Land Management
Daniel Emmett	Bureau of Land Management
Jan Nelson	QEP Energy Company
Stephanie Tomkinson	QEP Energy Company
Ryan Angus	QEP Energy Company
Valyn Davis	QEP Energy Company
Eric Wickersham	QEP Energy Company
Andy Floyd	Uintah Engineering & Land Surveying

1. **Existing Roads:**

The proposed well site is approximately 30 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.

No new access road is proposed. The access to be used is the access to the existing RW 14-23A location. 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, 2,032' in length, containing 1.39 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 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 QEP Energy Company, Uinta Basin Division's Reclamation Plan, September 2009 (QEP's Reclamation Plan) and the BLM Green River District Reclamation Guidelines.

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

Stained soils around the location (excluding steep, rocky slopes) will be removed and disposed of. These areas will be reclaimed as outlined in this plan.

Disturbed areas will be backfilled and recontoured to blend with the surrounding landscape.

Compacted areas will be ripped and disked, leaving no large clumps.

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 will be drilled and broadcast/dragged on areas that cannot be drilled.

The seed mix will be a grass only mix so a broadleaf chemical weed control can be used in year one and two. Weed control will be conducted as stated in QEP's Reclamation Plan.

SEED MIX

Common name	Scientific	Variety	PLS lbs
Galleta curly grass	Pleuraphis jamesii		4
Western wheatgrass	Pascopyrum smithii	Rosana	4
Sandberg bluegrass	Poa sandbergii		4
Crested wheatgrass	Agropyron cristatum x desertorum	Hycrest	2
		Total	14

Monitoring and reporting will be conducted as stated in QEP's Reclamation Plan. A reference site has been established and is included in this application.

It was determined and agreed upon that there is 3" 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 10, 2011, **Moac Report**

No. 11-075 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 May 27, 2011 **IPC # 11-34** 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 4, 2011, the following items were requested/ discussed.

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

The existing power line and any unused pipelines and will be removed prior to construction.

During construction, caution will be taken to avoid losing any top soil near Corner #3 and Corner #4.

Due to the constraints of the pad size on this location, QEP Energy will be utilizing the well location RW 41-27A in order to temporarily house additional trailers, generators, water tank, pipe tubs, and other additional miscellaneous drilling equipment. No additional surface disturbance will be required for this request.

Additional Operator Remarks

QEP Energy Company proposes to deepen the existing well bore for the RW 14-23A and drill to a depth of 11,833' 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.

QEP ENERGY COMPANY

RW #14-23A (RE-ENTRY)

LOCATED IN UINTAH COUNTY, UTAH
SECTION 23, T7S, R22E, S.L.B.&M.

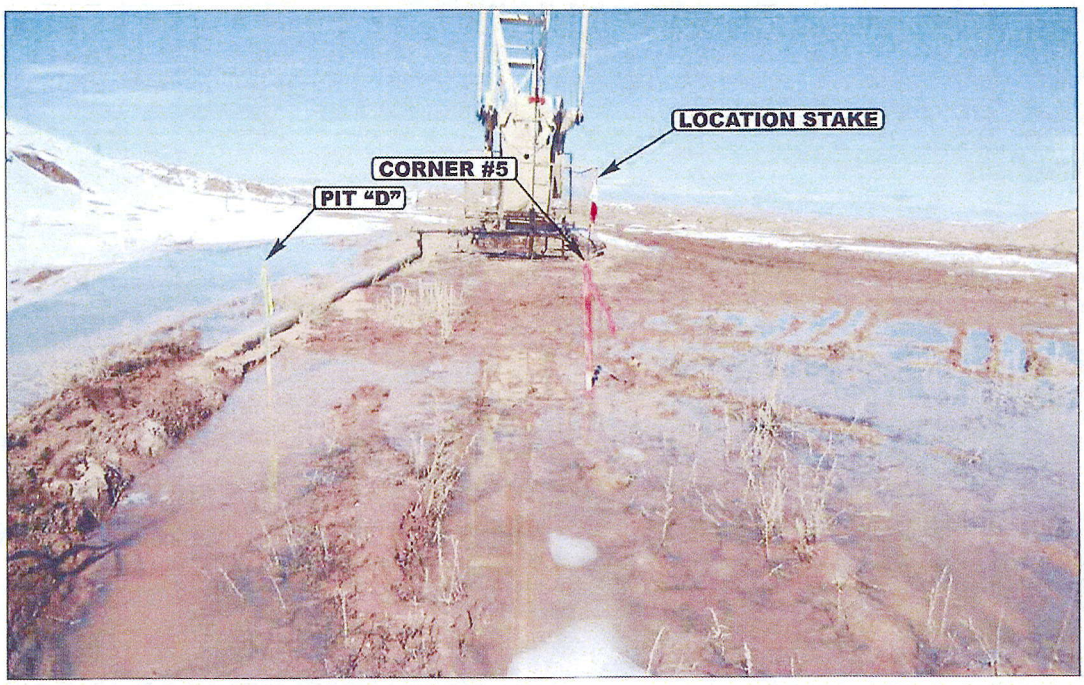


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: NORTHWESTERLY**

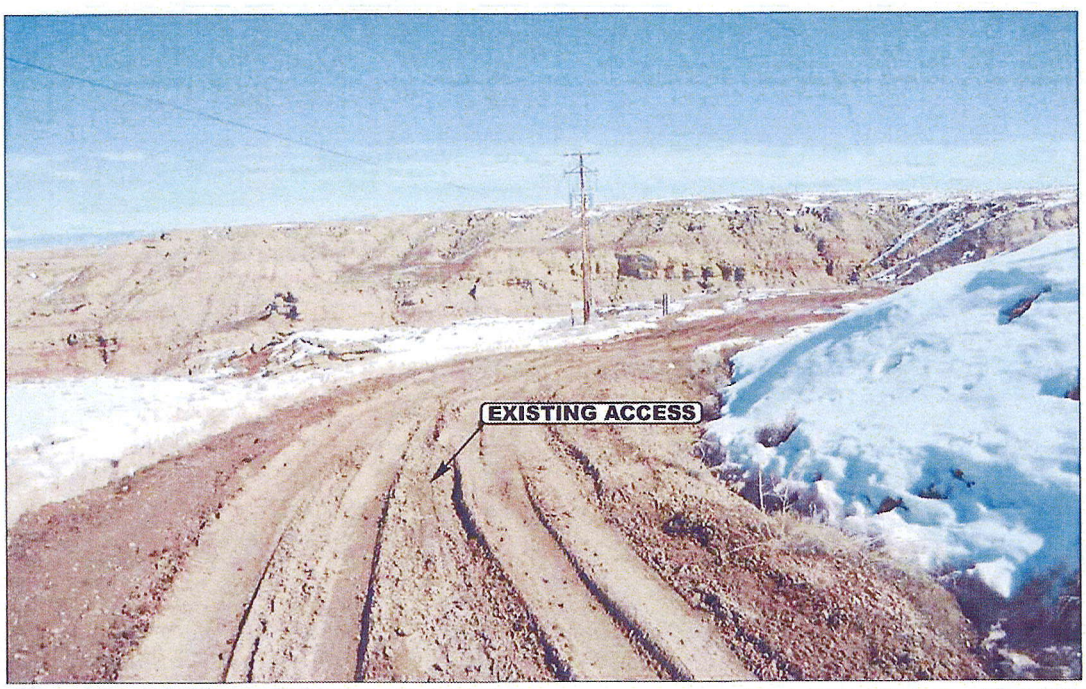


PHOTO: VIEW OF EXISTING AND PROPOSED ACCESS **CAMERA ANGLE: NORTHEASTERLY**

- Since 1964 -

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

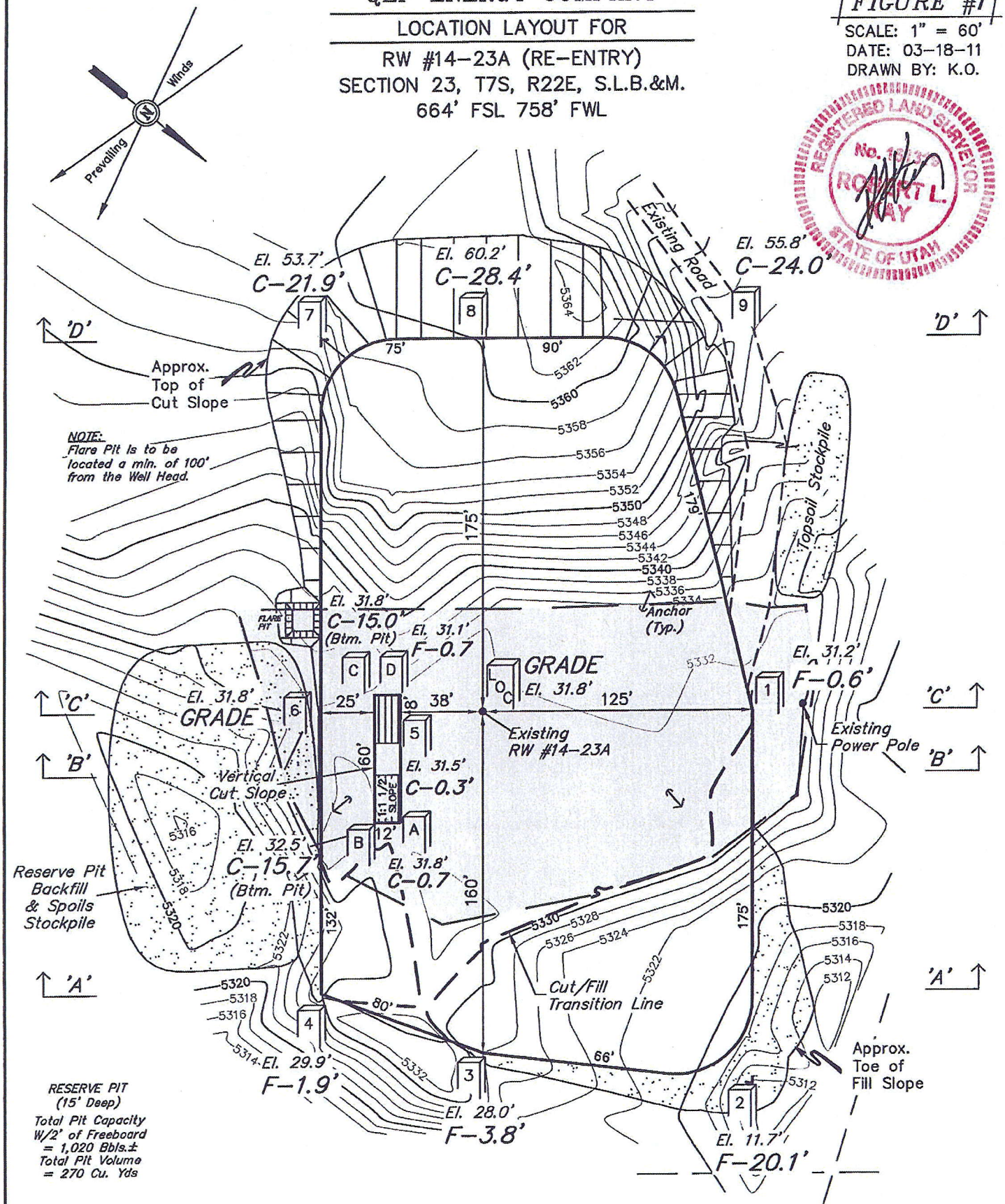
LOCATION PHOTOS	03 MONTH	15 DAY	11 YEAR	PHOTO
TAKEN BY: A.F.	DRAWN BY: J.L.G.	REVISED: 00-00-00		

QEP ENERGY COMPANY

LOCATION LAYOUT FOR

RW #14-23A (RE-ENTRY)
SECTION 23, T7S, R22E, S.L.B.&M.
664' FSL 758' FWL

FIGURE #1
SCALE: 1" = 60'
DATE: 03-18-11
DRAWN BY: K.O.



Elev. Ungraded Ground At Loc. Stake = 5331.8'
FINISHED GRADE ELEV. AT LOC. STAKE = 5331.8'

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

1" = 40'
X-Section Scale
1" = 60'

DATE: 03-18-11
DRAWN BY: K.O.

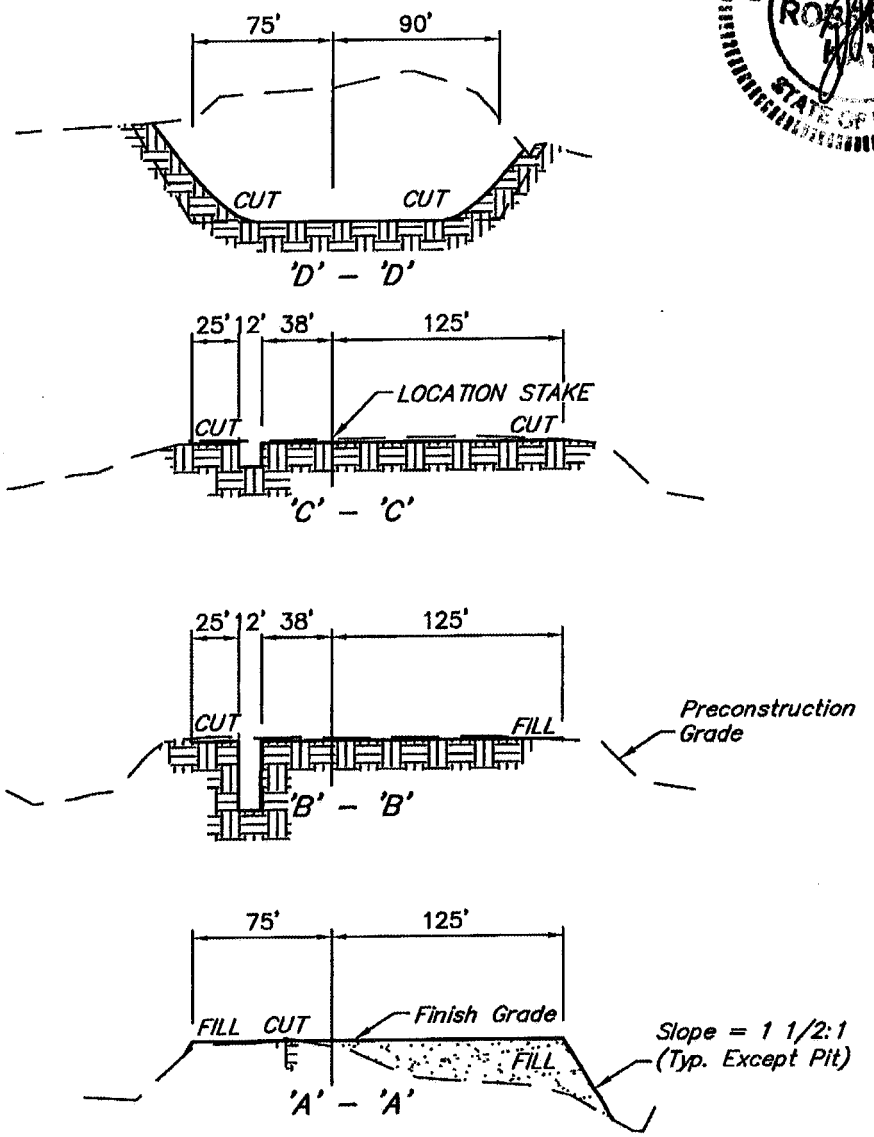
QEP ENERGY COMPANY

TYPICAL CROSS SECTIONS FOR

RW #14-23A (RE-ENTRY)
SECTION 23, T7S, R22E, S.L.B.&M.
664' FSL 758' FWL

FIGURE #2

REGISTERED LAND SURVEYOR No. 161318 ROBERT L. KAY STATE OF UTAH



APPROXIMATE ACREAGES

EXISTING DISTURBANCE
WITHIN PROPOSED WELL SITE = ± 0.651 ACRES
REMAINING PROPOSED
WELL SITE DISTURBANCE = ± 1.557 ACRES
PIPELINE DISTURBANCE = ± 1.399 ACRES
TOTAL = ± 3.607 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping (New Construction only) = 990 Cu. Yds.
Remaining Location = 20,160 Cu. Yds.
TOTAL CUT = 21,150 CU.YDS.
FILL = 4,850 CU.YDS.

EXCESS MATERIAL = 16,300 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.) = 1,130 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation) = 15,170 Cu. Yds.

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

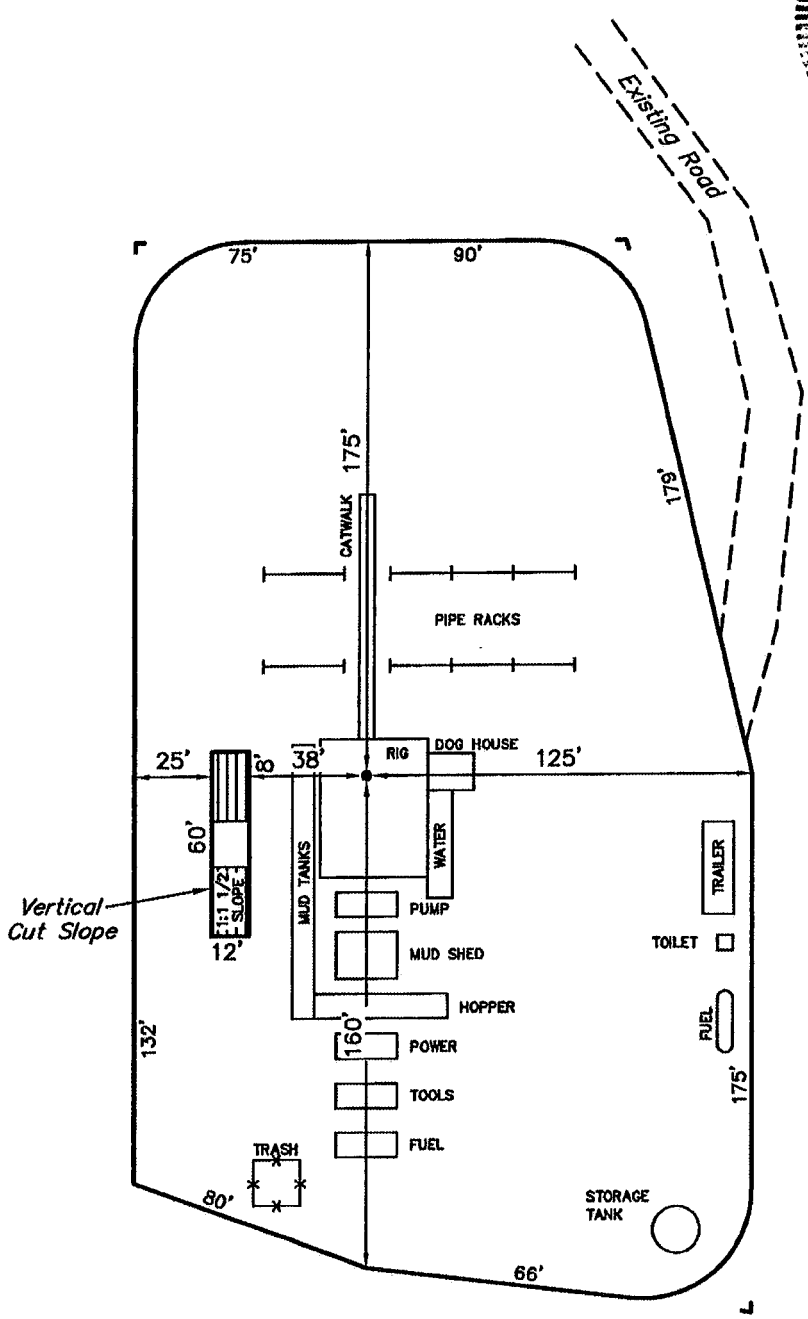
QEP ENERGY COMPANY

TYPICAL RIG LAYOUT FOR

RW #14-23A (RE-ENTRY)
SECTION 23, T7S, R22E, S.L.B.&M.
664' FSL 758' FWL

FIGURE #3
SCALE: 1" = 60'
DATE: 03-18-11
DRAWN BY: K.O.

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH



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 = 1,020 Bbls.±
Total Pit Volume = 270 Cu. Yds

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

QEP ENERGY COMPANY

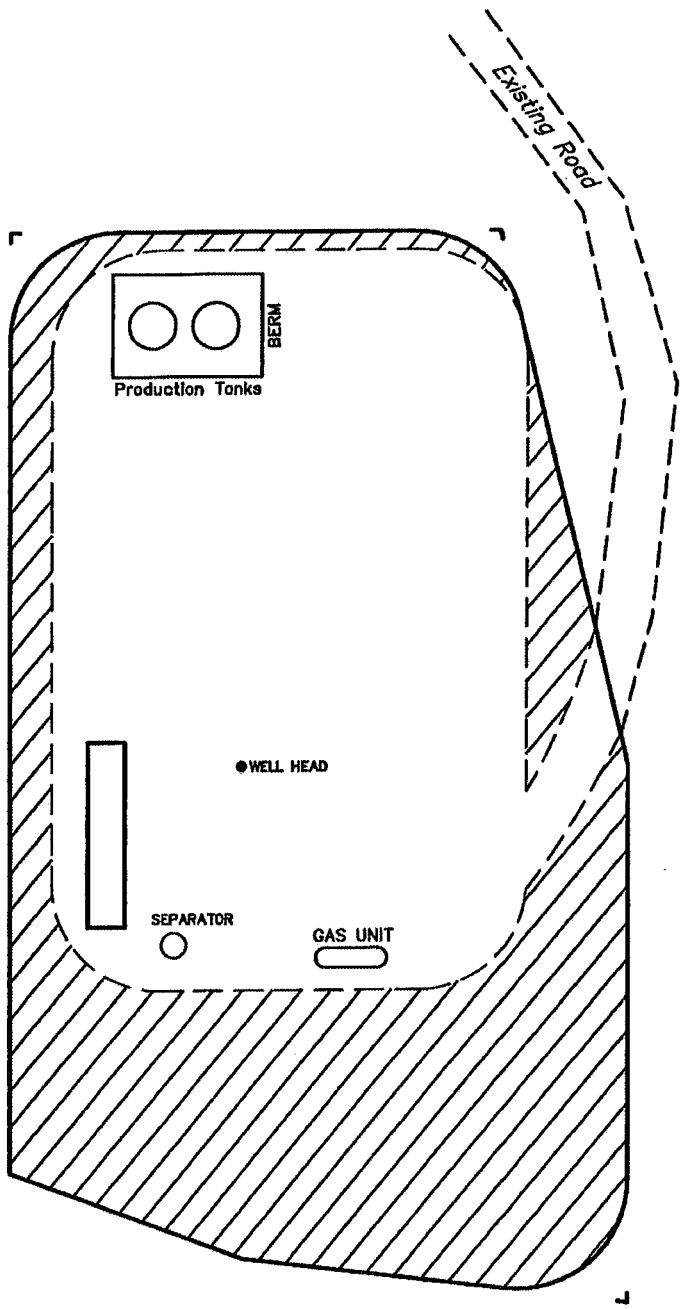
PRODUCTION FACILITY LAYOUT FOR

RW #14-23A (RE-ENTRY)
SECTION 23, T7S, R22E, S.L.B.&M.
664' FSL 758' FWL

FIGURE #4

SCALE: 1" = 60'
DATE: 03-18-11
DRAWN BY: K.O.

REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH



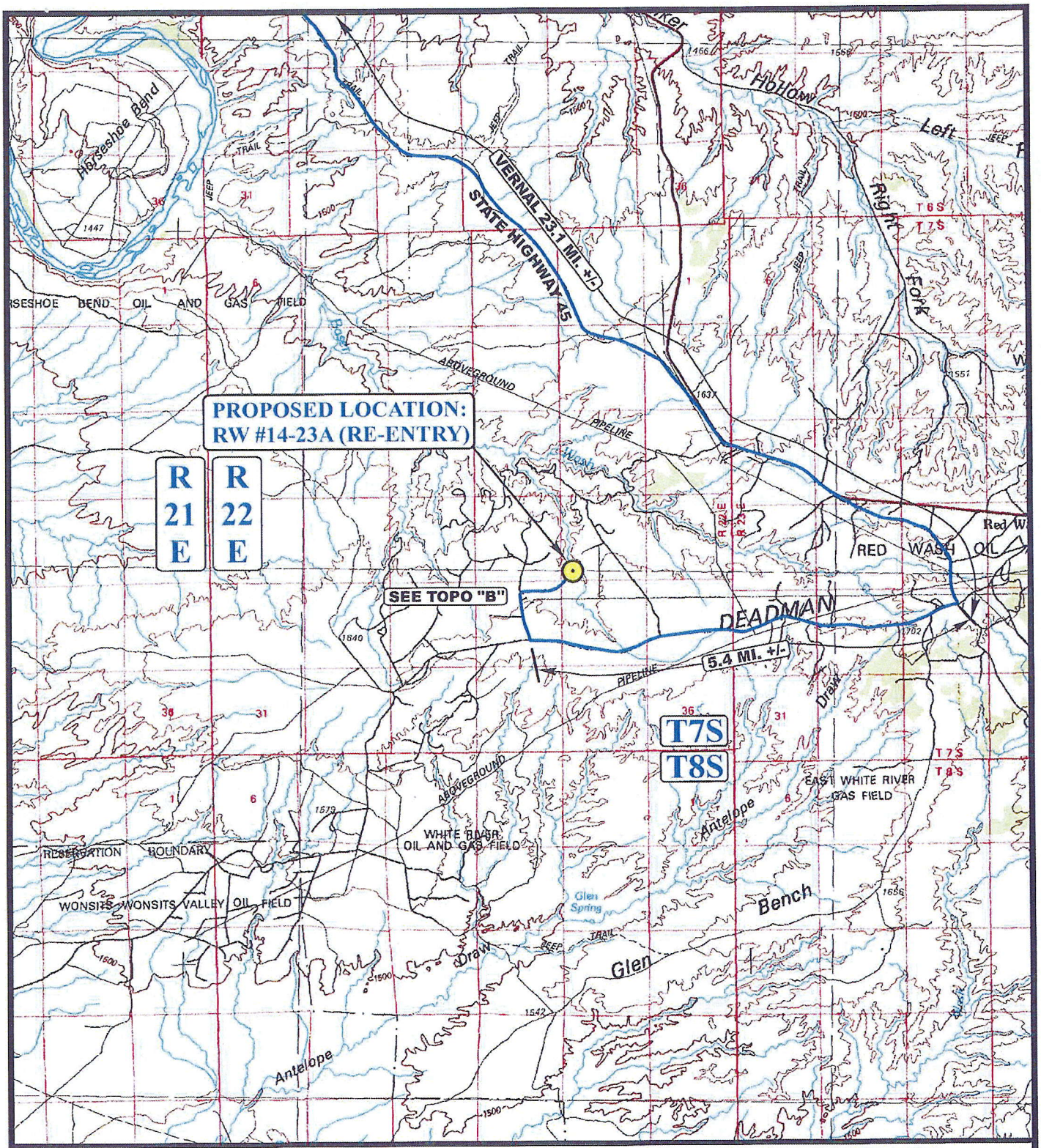
RECLAIMED AREA

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

QEP ENERGY COMPANY
RW #14-23A (RE-ENTRY)
SECTION 23, T7S, R22E, S.L.B.&M.

PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 19.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN AN WESTERLY DIRECTION APPROXIMATELY 5.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.8 MILES TO PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 29.9 MILES.



LEGEND:

PROPOSED LOCATION

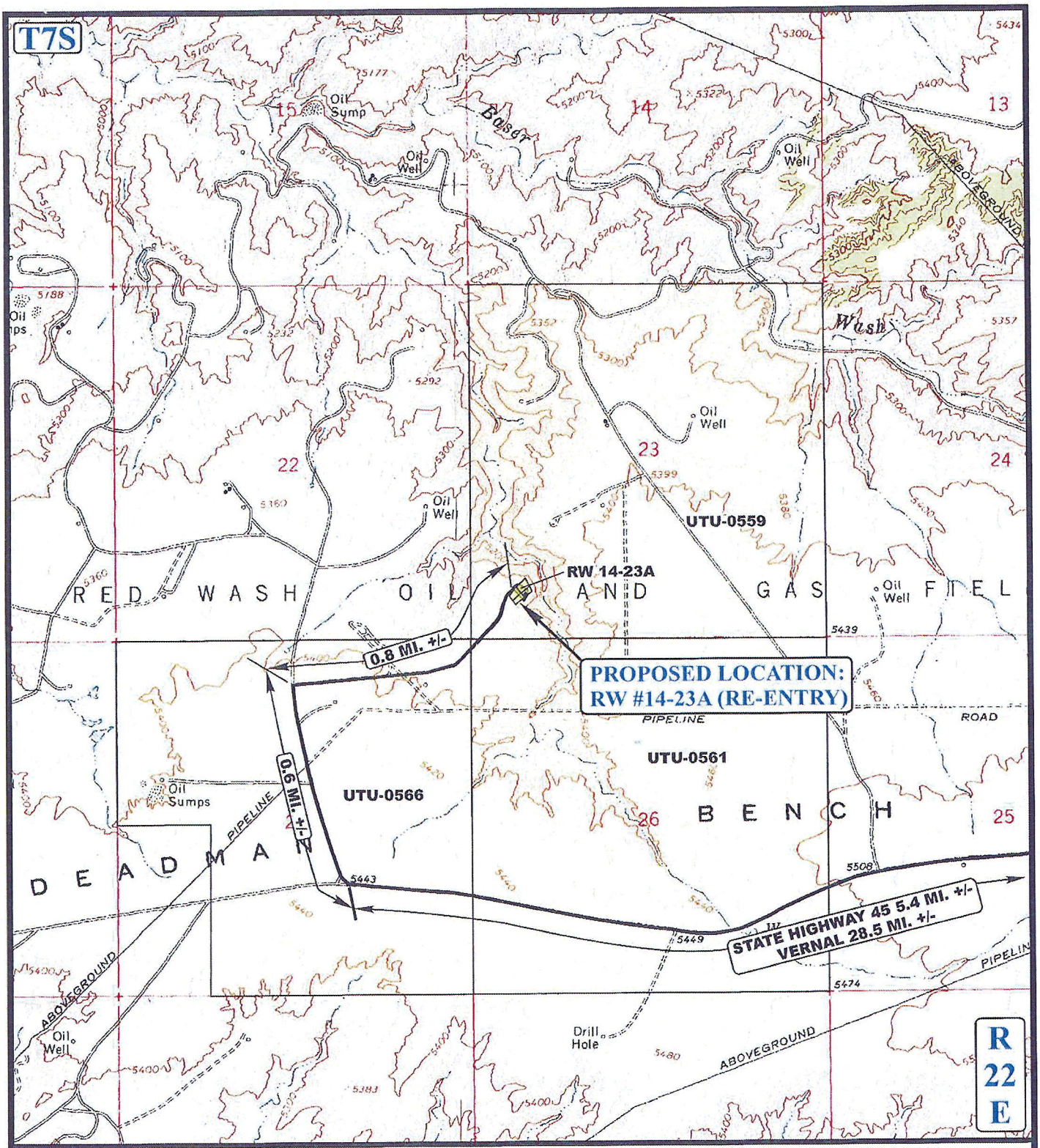
N

QEP ENERGY COMPANY

RW #14-23A (RE-ENTRY)
SECTION 23, T7S, R22E, S.L.B.&M.
664' FSL 758' FWL

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

TOPOGRAPHIC MAP	03 MONTH	15 DAY	11 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: J.L.G.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

PROPOSED ACCESS ROAD

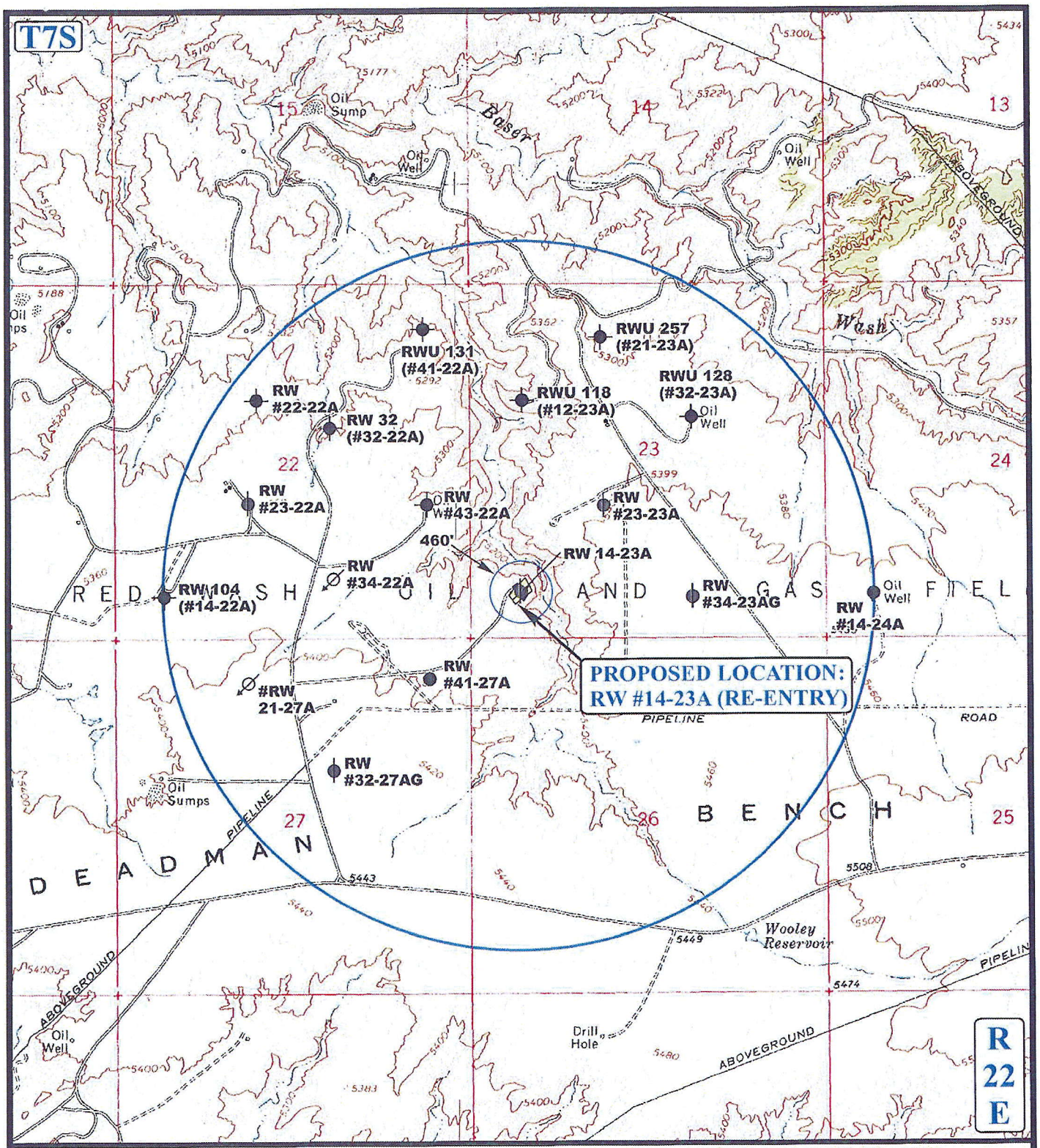
N

QEP ENERGY COMPANY

RW #14-23A (RE-ENTRY)
SECTION 23, T7S, R22E, S.L.B.&M.
664' FSL 758' FWL

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

TOPOGRAPHIC MAP	03 MONTH	15 DAY	11 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: J.L.G.	REVISED: 00-00-00		



LEGEND:

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

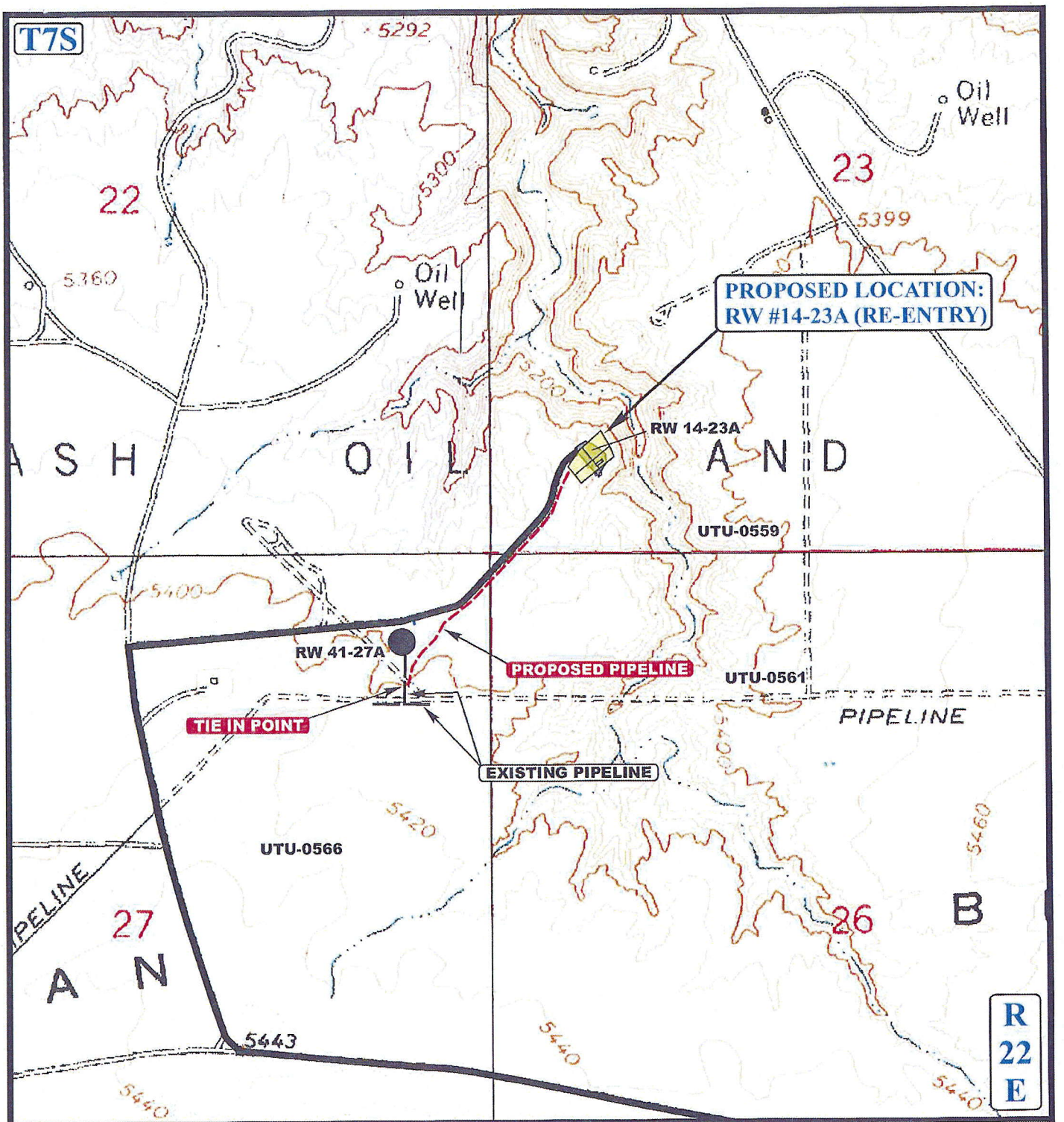
N

QEP ENERGY COMPANY

RW #14-23A (RE-ENTRY)
SECTION 23, T7S, R22E, S.L.B.&M.
664' FSL 758' FWL

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

TOPOGRAPHIC MAP	03 MONTH	15 DAY	11 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: J.L.G.	REVISED: 00-00-00		



APPROXIMATE TOTAL PIPELINE DISTANCE = 2032' +/-

LEGEND:

- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED ACCESS

N

QEP ENERGY COMPANY

RW #14-23A (RE-ENTRY)
SECTION 23, T7S, R22E, S.L.B.&M.
664' FSL 758' FWL

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

TOPOGRAPHIC MAP	03 MONTH	15 DAY	11 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: J.L.G.	REVISED: 00-00-00		

QEP ENERGY COMPANY

REFERENCE MAP: AREA OF VEGETATION

RW #14-23A (RE-ENTRY)

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

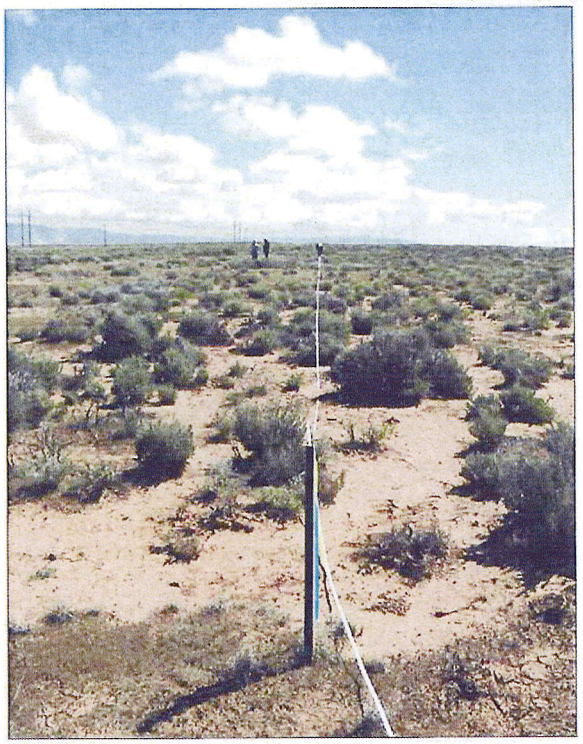
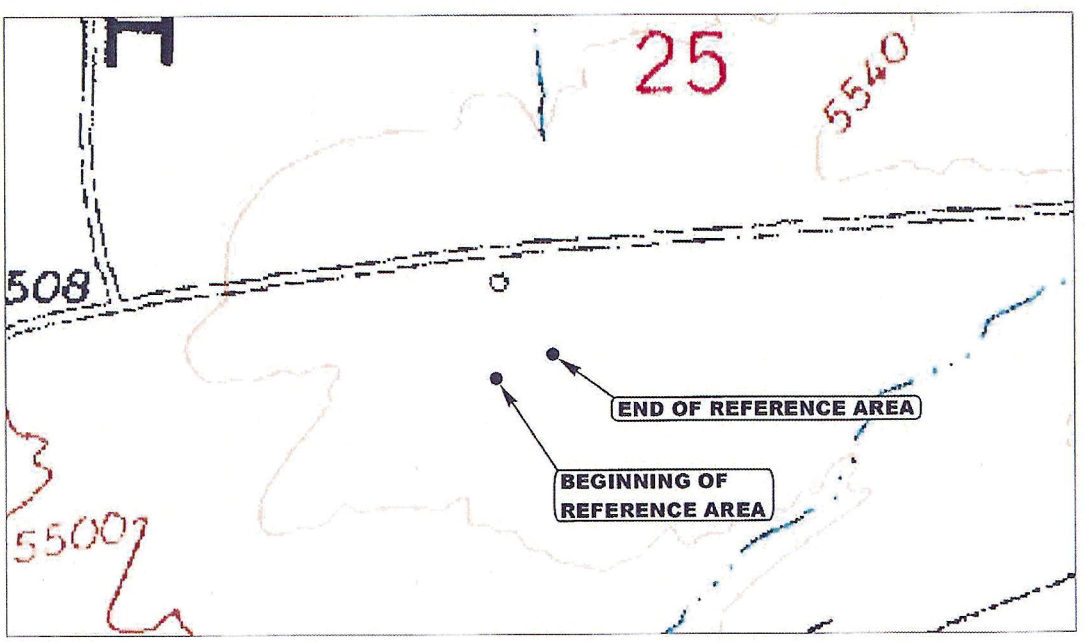


PHOTO: VIEW FROM BEGINNING OF REFERENCE AREA

NOTE:

BEGINNING OF REFERENCE AREA
UTM NORTHING: 14596167.399
UTM EASTING: 2089941.311
LATITUDE: 40.179489
LONGITUDE: -109.390661

END OF REFERENCE AREA
UTM NORTHING: 14596248.654
UTM EASTING: 2090125.346
LATITUDE: 40.179703
LONGITUDE: -109.389997



- Since 1964 -
UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

SCALE: 1" = 300'	05 MONTH	06 DAY	11 YEAR	REF.
TAKEN BY: A.F.	DRAWN BY: Z.L.	REVISED: 00-00-00		

Clean up

WEED DATA SHEET

PROJECT NAME: RW 14-23A **DATE:** 5-4-11
SURVEYOR: Stephanie Tomkinson

	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.

*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: 3
Russian thistle canopy cover: 3
Halogeton canopy cover: 3
Kochia canopy cover: 2

Same veg + people as RW 32-28A

(use ref site from RW 23-25A)

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/16/2011

API NO. ASSIGNED: 43-047-15176

WELL NAME: RW 14-23A
OPERATOR: QEP ENERGY COMPANY (N3700)
CONTACT: VALYN DAVIS

PHONE NUMBER: 435-781-4369

PROPOSED LOCATION:
SWSW 23 070S 220E
SURFACE: 0664 FSL 0758 FWL
BOTTOM: 0664 FSL 0758 FWL
COUNTY: UINTAH
LATITUDE: 40.19159 LONGITUDE: -109.41321
UTM SURF EASTINGS: 635075 NORTHINGS: 4450019
FIELD NAME: RED WASH (665)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
LEASE NUMBER: U-0559
SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD
COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

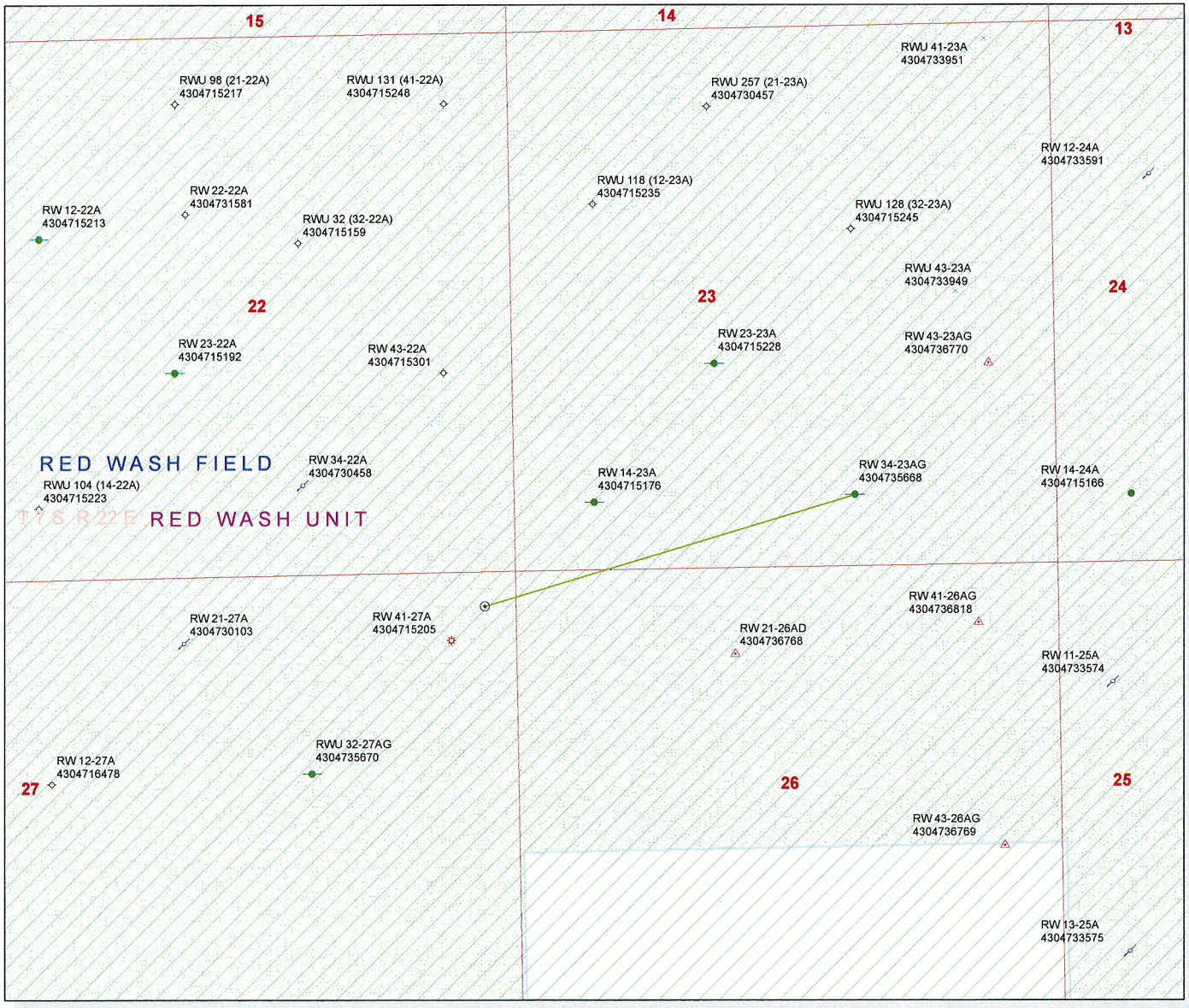
✓ Plat
✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. ESB000024)
N Potash (Y/N)
N Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. 49-2153)
N RDCC Review (Y/N)
(Date:)
N/A Fee Surf Agreement (Y/N)
N/A Intent to Commingle (Y/N)

LOCATION AND SITING:

____ R649-2-3.
Unit: RED WASH
____ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
____ R649-3-3. Exception
✓ Drilling Unit
Board Cause No: 187-07
Eff Date: 9-18-2001
Siting: Suspends General Siting
____ R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS: 1- Federal Approval



API Number: 4304715176

Well Name: RW 14-23A

Township T0.7 . Range R2.2 . Section 23

Meridian: SLBM

Operator: QEP ENERGY COMPANY

Map Prepared:
Map Produced by Diana Mason

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

Fields
STATUS
- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED
- Sections
- Township

Wells Query
Status
- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LA - Location Abandoned
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- RET - Returned APD
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

1,250 625 0 1,250 Feet

1:12,000

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 22, 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)		
43-047-15305	RW 23-25A	Sec 25 T07S R22E 1853 FSL 1992 FWL
43-047-15230	RW 32-28A	Sec 28 T07S R22E 1980 FNL 1987 FEL
43-047-30311	RW 12-26B	Sec 26 T07S R23E 2103 FNL 0603 FWL
43-047-30309	RW 14-18C	Sec 18 T07S R24E 0892 FSL 0823 FWL
43-047-15145	RW 32-17C	Sec 17 T07S R24E 2054 FNL 1986 FEL
43-047-30259	RW 43-26B	Sec 26 T07S R23E 1979 FSL 0661 FEL
43-047-15176	RW 14-23A	Sec 23 T07S R22E 0664 FSL 0758 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: 2011.06.22 08:43:46 -06'00'

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

MCoulthard:mc:6-22-11

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

June 22, 2011

QEP Energy Company
11002 East 17500 South
Vernal, UT 84078

Subject: RW 14-23A Well, 664' FSL, 758' FWL, SW SW, Sec. 23, T. 7 South, R. 22 East, Uintah County, Utah

Ladies and Gentlemen:

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 Mesaverde 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.

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. The API identification number assigned to this well is 43-047-15176.

Sincerely,

for John Rogers
Associate Director

JR/js
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: QEP Energy Company
Well Name & Number RW 14-23A
API Number: 43-047-15176
Lease: UTU-0559

Location: SW SW **Sec.** 23 **T.** 7 South **R.** 22 East

Conditions of Approval

1. 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.

2. 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 let 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

   Notify the Division prior to commencing operations to plug and abandon the well.
   - Contact Dustin Doucet at (801) 538-5281 office
     (801) 733-0983 after office hours

3. 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:
   - 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

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

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: U-0559

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: RW 14-23A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047151760000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0664 FSL 0758 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 23 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 2/15/2012	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: CONFIDENTIAL

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

QEP ENERGY COMPANY REQUESTS THIS WELL BE FILED AS "CONFIDENTIAL".

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
February 21, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst
SIGNATURE N/A		**DATE** 2/15/2012

RECEIVED: Feb. 15, 2012

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: U-0559

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: RW 14-23A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047151760000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0664 FSL 0758 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 23 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT — Approximate date work will start: 6/22/2013
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst

SIGNATURE	DATE
N/A	6/25/2012

RECEIVED: Jun. 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 43047151760000

API: 43047151760000
Well Name: RW 14-23A
Location: 0664 FSL 0758 FWL QTR SWSW SEC 23 TWNP 070S RNG 220E MER S
Company Permit Issued to: QEP ENERGY COMPANY
Date Original Permit Issued: 6/22/2011

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

RECEIVED: Jun. 25, 2012

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: U-0559

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: RW 14-23A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047151760000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0664 FSL 0758 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 23 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT — Approximate date work will start: 7/16/2012
- ☐ SUBSEQUENT REPORT — Date of Work Completion:
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

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.

Approved by the Utah Division of Oil, Gas and Mining

Date: July 30, 2012

By:

NAME (PLEASE PRINT) Valyn Davis

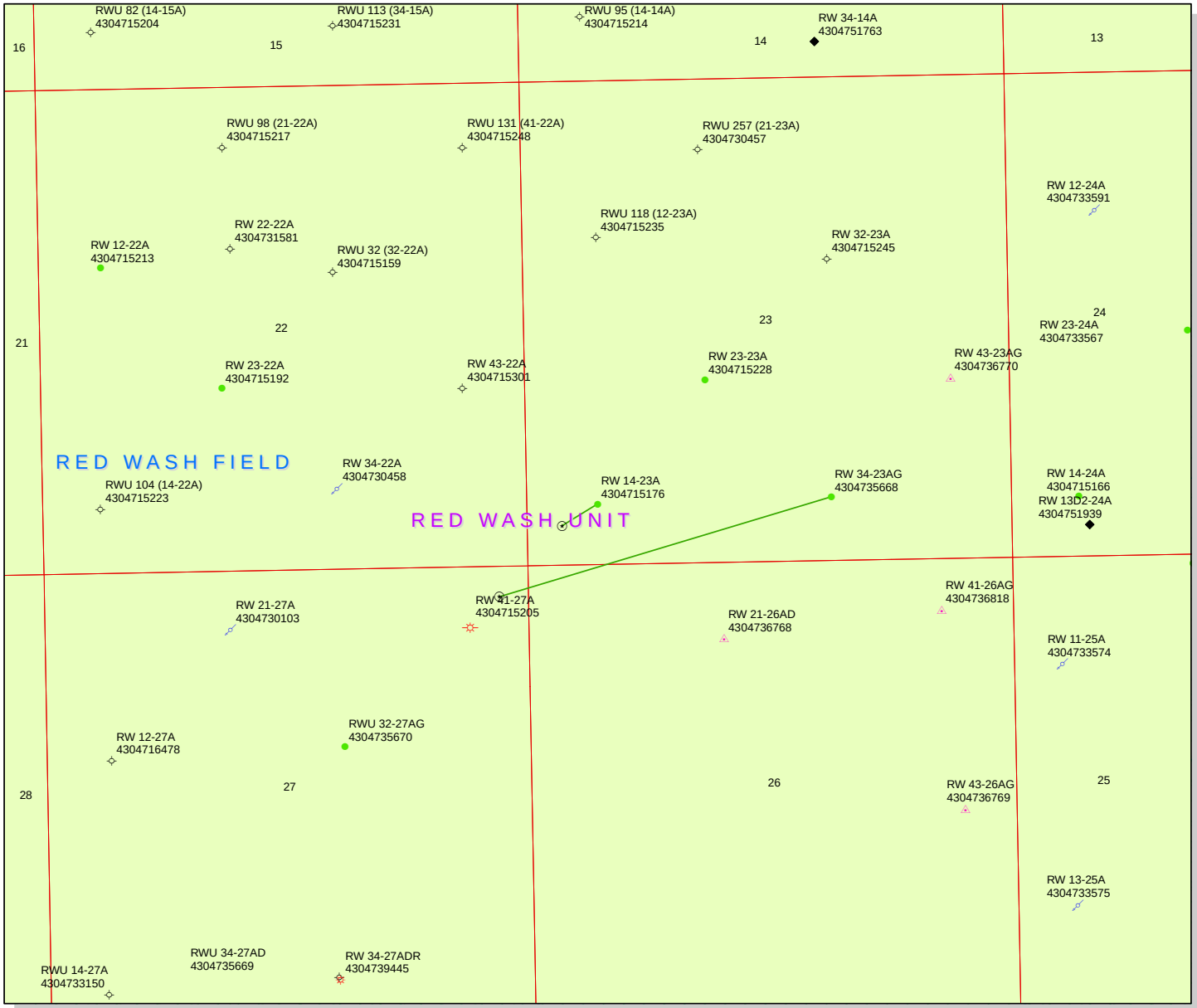
PHONE NUMBER 435 781-4369

TITLE Regulatory Affairs Analyst

SIGNATURE N/A

DATE 7/16/2012

RECEIVED: Jul. 16, 2012



API Number: 4304715176

Well Name: RW 14-23A

Township T07.0S Range R22.0E Section 23

Meridian: SLBM

Operator: QEP ENERGY COMPANY

Map Prepared:
Map Produced by Diana Mason

Units
STATUS
- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
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- PP GEOTHERML
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Fields
STATUS
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Wells Query
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- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well
- Bottom Hole Location - OilGasDb

N

1,400 700 0 1,400 Feet

1:13,484

RECEIVED: Jul. 25, 2012

QEP Energy Company

11002 East 17500 South
Vernal, UT 84078
Telephone 435-781-4331
Fax 435-781-4395

July 16, 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 14-23A
664' FSL 758' FWL, SWSW, Section 23, T7S, R22E (Surface)
431' FSL 365' FWL, SWSW, Section 23, T7S, R22E (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,

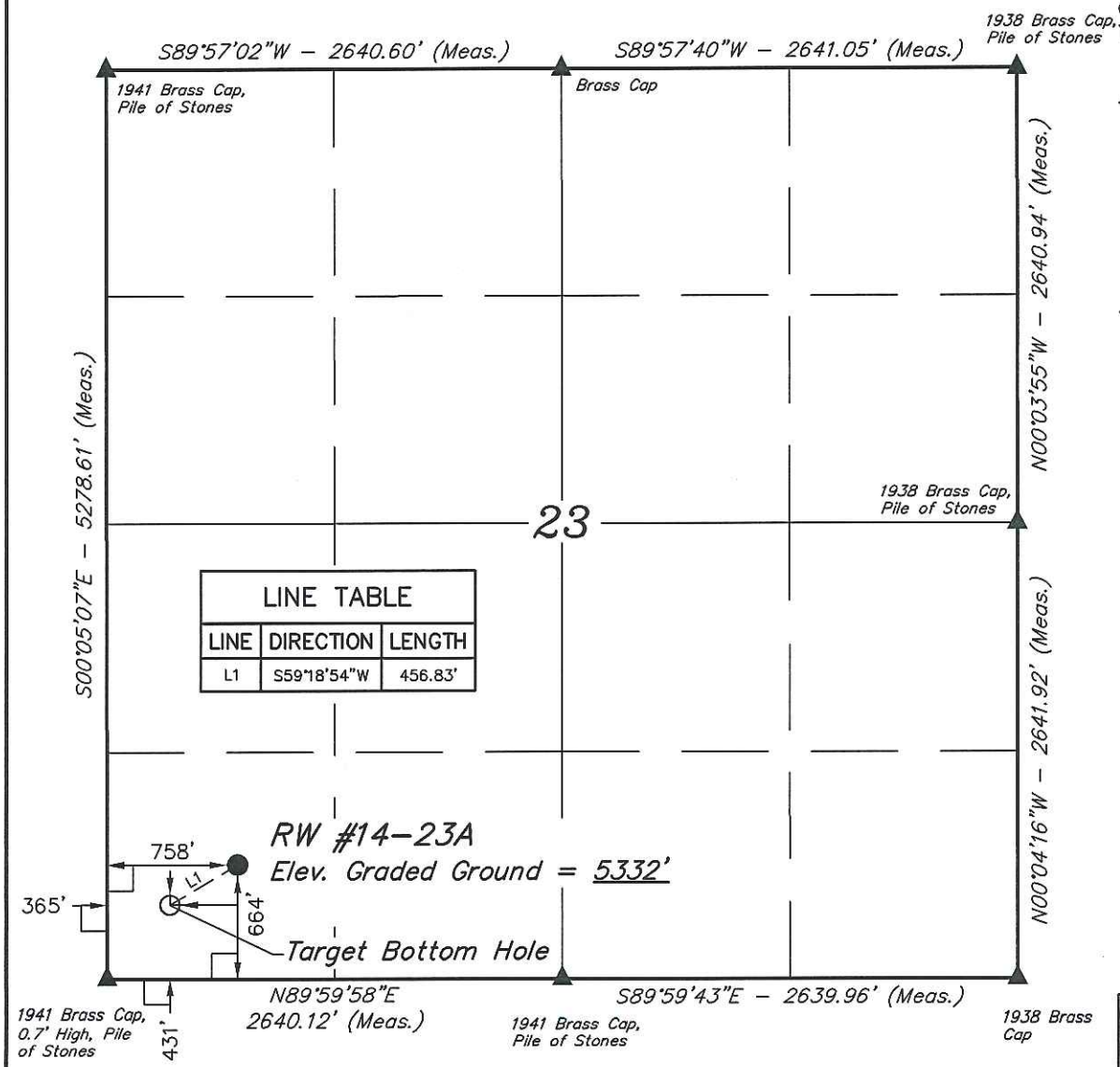
QEP Energy Company

Valyn Davis

Valyn Davis
Regulatory Affairs Analyst

Sundry Number: 27777 API Well Number: 43047151760000

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



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S59°18'54"W	456.83'

QEP ENERGY COMPANY

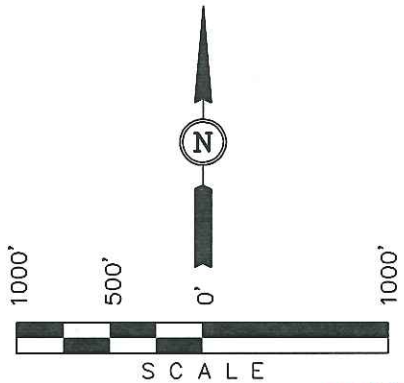
Well location, RW #14-23A (RE-ENTRY), located as shown in the SW 1/4 SW 1/4 of Section 23, T7S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

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



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.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REGISTERED LAND SURVEYOR No. 161319 ROBERT L. KAY STATE OF UTAH

07-12-12

REVISED: 07-09-12 R.L.L.

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°11'27.30" (40.190917)	LATITUDE = 40°11'29.60" (40.191556)
LONGITUDE = 109°24'55.30" (109.415361)	LONGITUDE = 109°24'50.23" (109.413953)
NAD 27 (TARGET BOTTOM HOLE)	**NAD 27 (SURFACE LOCATION)**
LATITUDE = 40°11'27.43" (40.190953)	LATITUDE = 40°11'29.73" (40.191592)
LONGITUDE = 109°24'52.83" (109.414675)	LONGITUDE = 109°24'47.76" (109.413267)

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

SCALE 1" = 1000'	DATE SURVEYED: 03-11-11	DATE DRAWN: 03-18-11
PARTY A.F. J.C. K.O.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE QEP ENERGY COMPANY	

QEP Energy Company

QEP ENERGY (UT)

Red Wash
RW 14-23A
RW 14-23A

Re-Entry

Plan: Plan ver.0

Standard Planning Report

14 June, 2012

QEP Energy Company

QEP Resources, Inc.
Planning Report

Database:	EDMDB_QEP	**Local Co-ordinate Reference:**	Well RW 14-23A
Company:	QEP ENERGY (UT)	**TVD Reference:**	RKB @ 5345.80usft (AZTEC 781)
Project:	Red Wash	**MD Reference:**	RKB @ 5345.80usft (AZTEC 781)
Site:	RW 14-23A	**North Reference:**	True
Well:	RW 14-23A	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Re-Entry		
Design:	Plan ver.0		

Project Red Wash

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

Site RW 14-23A

Site Position:		**Northing:**	7,245,294.802 usft	**Latitude:**	40.191556
From:	Lat/Long	**Easting:**	2,223,113.053 usft	**Longitude:**	-109.413953
Position Uncertainty:	0.00 usft	**Slot Radius:**	13-3/16 "	**Grid Convergence:**	1.34 °

Well RW 14-23A

Well Position	**+N/-S**	0.00 usft	**Northing:**	7,245,294.798 usft	**Latitude:**	40.191556
	+E/-W	0.00 usft	**Easting:**	2,223,113.053 usft	**Longitude:**	-109.413953
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	5,331.80 usft	**Ground Level:**	5,331.80 usft

Wellbore Re-Entry

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	6/14/2012	10.94	66.02	52,342

Design Plan ver.0

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	239.31

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	
6,245.00	0.00	0.00	6,245.00	0.00	0.00	0.00	0.00	0.00	0.00	
6,345.00	0.00	0.00	6,345.00	0.00	0.00	0.00	0.00	0.00	0.00	
7,107.56	15.25	254.36	7,098.59	-27.20	-97.16	2.00	2.00	0.00	254.36	
7,930.79	15.25	254.36	7,892.83	-85.59	-305.69	0.00	0.00	0.00	0.00	
9,455.91	0.00	254.36	9,400.00	-140.00	-500.00	1.00	-1.00	0.00	180.00	
9,805.91	3.50	131.00	9,749.78	-147.01	-491.93	1.00	1.00	0.00	131.00	
11,956.14	3.50	131.00	11,896.00	-233.13	-392.87	0.00	0.00	0.00	0.00	

QEP Energy Company

QEP Resources, Inc.

Planning Report

QEP Energy Company

Database:	EDMDB_QEP	**Local Co-ordinate Reference:**	Well RW 14-23A
Company:	QEP ENERGY (UT)	**TVD Reference:**	RKB @ 5345.80usft (AZTEC 781)
Project:	Red Wash	**MD Reference:**	RKB @ 5345.80usft (AZTEC 781)
Site:	RW 14-23A	**North Reference:**	True
Well:	RW 14-23A	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Re-Entry		
Design:	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
6,245.00	0.00	0.00	6,245.00	0.00	0.00	0.00	0.00	0.00	0.00
6,345.00	0.00	0.00	6,345.00	0.00	0.00	0.00	0.00	0.00	0.00
7,107.56	15.25	254.36	7,098.59	-27.20	-97.16	97.43	2.00	2.00	0.00
7,930.79	15.25	254.36	7,892.83	-85.59	-305.69	306.57	0.00	0.00	0.00
9,455.91	0.00	254.36	9,400.00	-140.00	-500.00	501.44	1.00	-1.00	0.00
9,805.91	3.50	131.00	9,749.78	-147.01	-491.93	498.08	1.00	1.00	0.00
11,956.14	3.50	131.00	11,896.00	-233.13	-392.87	456.83	0.00	0.00	0.00

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
RW 14-23A (13C1-23A)	0.00	0.00	9,476.00	-193.57	-439.39	7,245,091.047	2,222,678.330	40.191024	-109.415526
- plan misses target center by 80.39usft at 9534.36usft MD (9478.44 TVD, -140.35 N, -499.59 E)									
- Circle (radius 100.00)									

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
6,245.00	6,245.00	7"	7	9

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
3,013.00	3,013.00	Green River		0.00	
3,931.00	3,931.00	Mahog. Bench		0.00	
6,556.19	6,556.00	Wasatch		0.00	
9,531.91	9,476.00	Mesaverde		0.00	
11,855.95	11,796.00	Sego		0.00	

QEP Energy Company

Company Name: QEP ENERGY (UT)

Azimuths to True North
Magnetic North: 10.94°

Magnetic Field
Strength: 52342.4snT
Dip Angle: 66.02°
Date: 6/14/2012
Model: IGRF2010

Project: Red Wash
Site: RW 14-23A
Well: RW 14-23A
Wellbore: Re-Entry
Design: Plan ver.0

WELL DETAILS: RW 14-23A

Ground Level: 5331.80

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	7245294.798	2223113.052	40.191556	-109.413953	

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well RW 14-23A, True North
Vertical (TVD) Reference: RKB @ 5345.80usft (AZTEC 781)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: RKB @ 5345.80usft (AZTEC 781)
Calculation Method: Minimum Curvature

PROJECT DETAILS: Red Wash

Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: Utah Central Zone

System Datum: Mean Sea Level

DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
RW 14-23A (13C1-23A)	9476.00	-193.57	-439.39	7245091.047	2222678.330	Circle (Radius: 100.00)

SECTION DETAILS

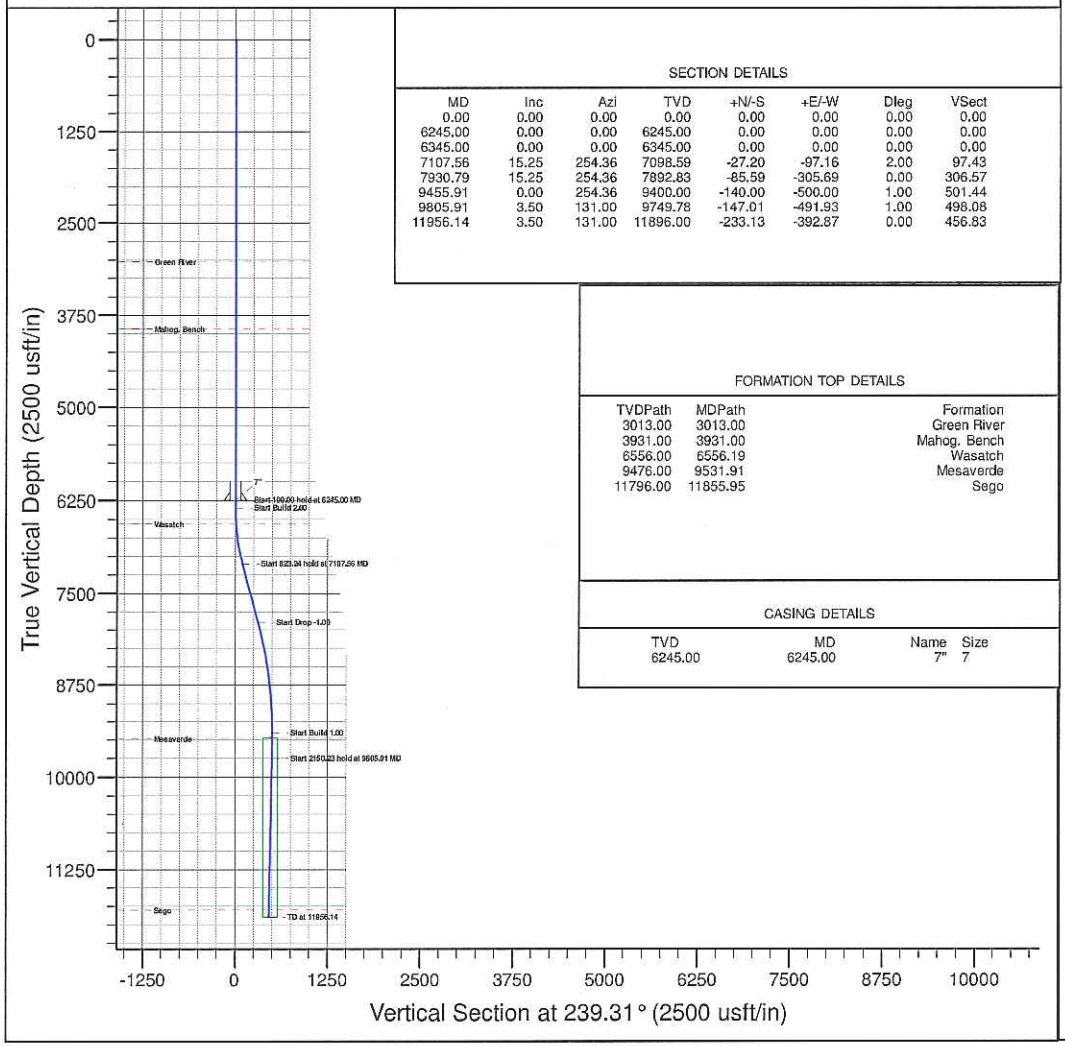
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	VSect
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6245.00	0.00	0.00	6245.00	0.00	0.00	0.00	0.00
6345.00	0.00	0.00	6345.00	0.00	0.00	0.00	0.00
7107.56	15.25	254.36	7098.59	-27.20	-97.16	2.00	97.43
7930.79	15.25	254.36	7892.83	-85.59	-305.69	0.00	306.57
9455.91	0.00	254.36	9400.00	-140.00	-500.00	1.00	501.44
9805.91	3.50	131.00	9749.78	-147.01	-491.93	1.00	498.08
11956.14	3.50	131.00	11896.00	-233.13	-392.87	0.00	456.83

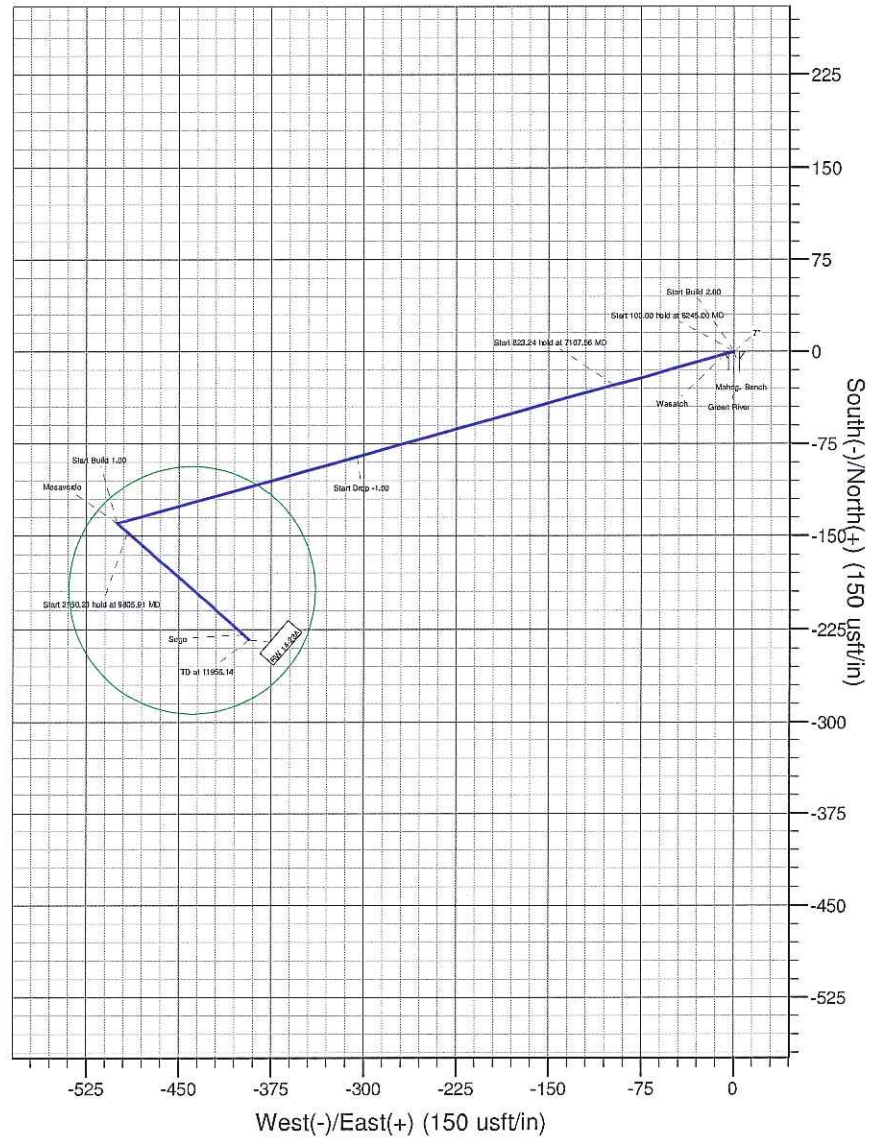
FORMATION TOP DETAILS

TVDPath	MDPath	Formation
3013.00	3013.00	Green River
3931.00	3931.00	Mahog. Bench
6556.00	6556.19	Wasatch
9476.00	9531.91	Mesaverde
11796.00	11855.95	Sego

CASING DETAILS

TVD	MD	Name	Size
6245.00	6245.00	7"	7





Sundry Number: 27777 API Well Number: 43047151760000

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: U-0559

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: RW 14-23A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047151760000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0664 FSL 0758 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 23 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ SPUD REPORT Date of Spud: 8/23/2012	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

DRILLING OF THIS WELL COMMENCED ON SEPTEMBER 23, 2012.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
September 25, 2012

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Valyn Davis	435 781-4369	Regulatory Affairs Analyst

SIGNATURE	DATE
N/A	9/24/2012

RECEIVED: Sep. 24, 2012

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: U-0559

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: RW 14-23A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047151760000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0664 FSL 0758 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 23 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 9/21/2012
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

THIS WELL COMMENCED PRODUCTION ON SEPTEMBER 21, 2012 @ 7:00 p.m.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
September 28, 2012

NAME (PLEASE PRINT) Valyn Davis

PHONE NUMBER 435 781-4369

TITLE Regulatory Affairs Analyst

SIGNATURE N/A

DATE 9/24/2012

RECEIVED: Sep. 24, 2012

C

FORM 6

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

ENTITY ACTION FORM

Operator: QEP ENERGY COMPANY
Address: 11002 EAST 17500 SOUTH
city VERNAL
state UT zip 84078

Operator Account Number: N 3700
Phone Number: (435) 781-4369

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304715196	RW 12-13B		SWNW	13	7S	23E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
C	5670	18478	9/9/2012			9.27.2012	

Comments: GRRV TO WMMFD

CONFIDENTIAL

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304715176	RW 14-23A		SWSW	23	7S	22E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
C	5670	18478	8/23/2012			9/23/2012	

Comments: GRRV TO WMMFD

CONFIDENTIAL 9/27/2012

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304715230	RW 32-28A		SWNE	28	7S	22E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
C	5670	18478	9/7/2012			9/7/2012	

Comments: GRRV TO WMMFD

CONFIDENTIAL 9/27/2012

ACTION CODES:

- **A** - Establish new entity for new well (single well only)
- **B** - Add new well to existing entity (group or unit well)
- **C** - Re-assign well from one existing entity to another existing entity
- **D** - Re-assign well from one existing entity to a new entity
- **E** - Other (Explain in 'comments' section)

Valyn Davis
Name (Please Print)
Valyn Davis
Signature
Regulatory Affairs Analyst
Title
9/24/2012
Date

RECEIVED
SEP 26 2012
Div. of Oil, Gas & Mining

(5/2000)

CONFIDENTIAL

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

AMENDED REPORT ☐ (highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU0559

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME: RED WASH

8. WELL NAME and NUMBER: RW 14-23A

9. API NUMBER: 4304715176

10 FIELD AND POOL, OR WILDCAT: RED WASH

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

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

2. NAME OF OPERATOR: QEP ENERGY COMPANY

3. ADDRESS OF OPERATOR: 11002 E. 17500 S. CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-4320

4. LOCATION OF WELL (FOOTAGES)

AT SURFACE: SWSW, 664' FSL, 758' FWL

AT TOP PRODUCING INTERVAL REPORTED BELOW: SWSW, 546' FSL, 273' FWL

AT TOTAL DEPTH: SWSW, 474' FSL, 285' FWL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 23 7S 22E

12. COUNTY: UINTAH

13. STATE: UTAH

14. DATE SPUDDED:

15. DATE T.D. REACHED:

16. DATE COMPLETED: 9/2/2012 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5346 KB

18. TOTAL DEPTH: MD 11,956 TVD 11,896

19. PLUG BACK T.D.: MD TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

CBL

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
6.125	4.5 HCP	11.6	0	11,937		635	268		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375	10,412							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESA VERDE	9,407	11,893		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
9,407 11,893	.42	144	Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
9,407 - 11,893	7,685 BBLS SLICKWATER, 167,000 LBS 30/50 SAND

RECEIVED
OCT 17 2012
DIV. OF OIL, GAS & MINING

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☑ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☑ OTHER: OPS SUMMARY

30. WELL STATUS: PGW

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
9/21/2012		9/23/2012		24			33	3,612	270	FLOWS
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
18/64	2,410	3,028					33	3,612	270	

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
GREEN RIVER	3,010
MAHOGANY	3,928
WASATCH	6,560
MESA VERDE	9,375
SEGO	11,958

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) VALYN DAVIS TITLE REGULATORY AFFAIRS ANALYST

SIGNATURE Valyn Davis DATE 10/15/2012

This report must be submitted within 30 days of

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

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

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

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

Phone: 801-538-5340

Fax: 801-359-3940

Directional Survey

QEP Energy Company

Well Name: RWU 14-23A (50)

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-15176	023007S022E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,331.8	5,331.80	14.00	14.00	8/17/1956 00:00	9/4/2012 01:00

Wellbore Name	Parent Wellbore	Kick Off Depth (ftOTH)	Vertical Section Direction (°)
ORIGINAL HOLE	ORIGINAL HOLE	0.0	239.31

Date	Definitive?	Description	Proposed?
		Main wellbore 8/23/2012	

MD Tie In (ftOTH)	TVDTie In (ftOTH)	Inclination Tie In (°)	Azimuth Tie In (°)	NSTie In (ft)	EWTie In (ft)

Survey Data

MD (ftOTH)	Incl (°)	Azm (°)	Tool Type	Date	Survey Company	TVD (ftOTH)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Traverse Distance (ft)
6,080.00	0.43	51.52	GMS	8/23/2012	NATIVE	6,079.94	14.20	17.86	-22.60	0.01	0.01	0.85	22.81
6,259.00	0.40	284.50	MWD	8/23/2012	NATIVE	6,258.94	14.77	17.78	-22.83	0.42	-0.02	130.16	23.39
6,322.00	0.50	330.30	MWD	8/23/2012	NATIVE	6,321.94	15.06	17.43	-22.68	0.57	0.16	72.70	23.85
6,385.00	0.70	290.70	MWD	8/23/2012	NATIVE	6,384.94	15.44	16.94	-22.44	0.71	0.32	-62.86	24.47
6,448.00	0.70	260.05	MWD	8/23/2012	NATIVE	6,447.93	15.51	16.20	-21.84	0.59	0.00	-48.65	25.22
6,512.00	0.30	260.90	MWD	8/24/2012	NATIVE	6,511.93	15.41	15.65	-21.32	0.63	-0.62	1.33	25.77
6,576.00	1.50	280.30	MWD	8/24/2012	NATIVE	6,575.92	15.54	14.66	-20.53	1.91	1.87	30.31	26.77
6,640.00	3.30	285.00	MWD	8/24/2012	NATIVE	6,639.86	16.16	12.05	-18.62	2.83	2.81	7.34	29.45
6,703.00	5.00	273.90	MWD	8/24/2012	NATIVE	6,702.69	16.82	7.56	-15.09	2.97	2.70	-17.62	33.99
6,767.00	7.10	268.60	MWD	8/24/2012	NATIVE	6,766.33	16.91	0.82	-9.34	3.39	3.28	-8.28	40.73
6,830.00	8.60	265.80	MWD	8/24/2012	NATIVE	6,828.74	16.47	-7.77	-1.73	2.46	2.38	-4.44	49.33
6,893.00	9.90	271.30	MWD	8/24/2012	NATIVE	6,890.92	16.25	-17.88	7.08	2.49	2.06	8.73	59.44
6,957.00	11.70	272.10	MWD	8/24/2012	NATIVE	6,953.79	16.61	-29.86	17.20	2.82	2.81	1.25	71.43
7,021.00	14.10	268.40	MWD	8/24/2012	NATIVE	7,016.17	16.63	-44.14	29.47	3.96	3.75	-5.78	85.71
7,085.00	13.50	267.70	MWD	8/24/2012	NATIVE	7,078.32	16.12	-59.40	42.86	0.97	-0.94	-1.09	100.98
7,149.00	12.60	267.70	MWD	8/24/2012	NATIVE	7,140.67	15.54	-73.84	55.57	1.41	-1.41	0.00	115.43
7,213.00	13.10	266.10	MWD	8/24/2012	NATIVE	7,203.06	14.76	-88.05	68.18	0.96	0.78	-2.50	129.66
7,276.00	14.00	261.90	MWD	8/24/2012	NATIVE	7,264.31	13.20	-102.72	81.59	2.12	1.43	-6.67	144.41
7,340.00	14.60	261.50	MWD	8/25/2012	NATIVE	7,326.33	10.92	-118.36	96.21	0.95	0.94	-0.62	160.22
7,404.00	14.90	259.20	MWD	8/25/2012	NATIVE	7,388.22	8.19	-134.42	111.42	1.03	0.47	-3.59	176.51
7,467.00	16.10	256.70	MWD	8/25/2012	NATIVE	7,448.93	4.66	-150.88	127.37	2.18	1.90	-3.97	193.34
7,532.00	16.10	258.10	MWD	8/25/2012	NATIVE	7,511.38	0.73	-168.47	144.50	0.60	0.00	2.15	211.37
7,594.00	16.40	253.40	MWD	8/25/2012	NATIVE	7,570.90	-3.55	-185.27	161.13	2.18	0.48	-7.58	228.70
7,656.00	16.50	246.60	MWD	8/25/2012	NATIVE	7,630.37	-9.54	-201.74	178.36	3.11	0.16	-10.97	246.23
7,720.00	17.30	244.40	MWD	8/25/2012	NATIVE	7,691.61	-17.26	-218.66	196.85	1.60	1.25	-3.44	264.83
7,784.00	16.70	243.80	MWD	8/26/2012	NATIVE	7,752.81	-25.44	-235.50	215.50	0.98	-0.94	-0.94	283.55
7,848.00	15.60	243.00	MWD	8/26/2012	NATIVE	7,814.29	-33.40	-251.42	233.25	1.75	-1.72	-1.25	301.35
7,912.00	15.40	246.50	MWD	8/26/2012	NATIVE	7,875.96	-40.70	-266.88	250.27	1.49	-0.31	5.47	318.44
7,975.00	14.30	244.80	MWD	8/26/2012	NATIVE	7,936.85	-47.35	-281.59	266.32	1.88	-1.75	-2.70	334.59
8,039.00	16.00	246.70	MWD	8/26/2012	NATIVE	7,998.63	-54.20	-296.84	282.93	2.77	2.66	2.97	351.31
8,101.00	16.20	248.40	MWD	8/26/2012	NATIVE	8,058.20	-60.77	-312.73	299.95	0.83	0.32	2.74	368.50
8,166.00	15.30	249.50	MWD	8/26/2012	NATIVE	8,120.76	-67.11	-329.20	317.34	1.46	-1.38	1.69	386.14
8,229.00	15.90	256.80	MWD	8/26/2012	NATIVE	8,181.44	-71.99	-345.38	333.75	3.26	0.95	11.59	403.05
8,292.00	15.50	256.60	MWD	8/26/2012	NATIVE	8,242.09	-75.91	-361.98	350.02	0.64	-0.63	-0.32	420.10
8,355.00	13.80	252.80	MWD	8/26/2012	NATIVE	8,303.04	-80.08	-377.34	365.37	3.10	-2.70	-6.03	436.03
8,418.00	12.80	255.10	MWD	8/26/2012	NATIVE	8,364.35	-84.10	-391.27	379.39	1.80	-1.59	3.65	450.52
8,482.00	10.80	253.00	MWD	8/26/2012	NATIVE	8,427.00	-87.68	-403.85	392.04	3.20	-3.12	-3.28	463.60
8,546.00	9.10	249.40	MWD	8/26/2012	NATIVE	8,490.03	-91.21	-414.33	402.85	2.83	-2.66	-5.63	474.65
8,610.00	8.00	250.20	MWD	8/26/2012	NATIVE	8,553.32	-94.50	-423.25	412.21	1.73	-1.72	1.25	484.17
8,674.00	5.80	243.10	MWD	8/26/2012	NATIVE	8,616.85	-97.47	-430.33	419.81	3.68	-3.44	-11.09	491.84
8,738.00	5.50	244.60	MWD	8/26/2012	NATIVE	8,680.54	-100.25	-435.98	426.09	0.52	-0.47	2.34	498.14
8,802.00	5.00	250.30	MWD	8/26/2012	NATIVE	8,744.27	-102.51	-441.38	431.88	1.13	-0.78	8.91	503.99
8,866.00	4.80	242.20	MWD	8/26/2012	NATIVE	8,808.04	-104.70	-446.37	437.29	1.12	-0.31	-12.66	509.44
8,930.00	4.70	235.10	MWD	8/27/2012	NATIVE	8,871.82	-107.45	-450.89	442.58	0.93	-0.16	-11.09	514.73
8,993.00	4.20	240.10	MWD	8/27/2012	NATIVE	8,934.63	-110.07	-455.01	447.46	1.00	-0.79	7.94	519.62
9,057.00	5.10	261.60	MWD	8/27/2012	NATIVE	8,998.42	-111.66	-459.86	452.44	3.04	1.41	33.59	524.72
9,121.00	4.70	264.70	MWD	8/27/2012	NATIVE	9,062.19	-112.31	-465.28	457.44	0.75	-0.62	4.84	530.18

Directional Survey

QEP Energy Company

Well Name: RWU 14-23A (50)

API	Surface Legal Location	Field Name	State	Well Configuration Type
43-047-15176	023007S022E27	RED WASH	UTAH	

Ground Elevation (ft)	Casing Flange Elevation (ft)	Current KB to GL (ft)	Current KB to CF (ft)	Spud Date	Rig Release Date
5,331.8	5,331.80	14.00	14.00	8/17/1956 00:00	9/4/2012 01:00

Survey Data

MD (ftOTH)	Incl (°)	Azm (°)	Tool Type	Date	Survey Company	TVD (ftOTH)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Build (°/100ft)	Turn (°/100ft)	Traverse Distance (ft)
9,184.00	4.20	262.50	MWD	8/27/2012	NATIVE	9,125.00	-112.85	-470.14	461.89	0.84	-0.79	-3.49	535.07
9,248.00	3.50	253.10	MWD	8/27/2012	NATIVE	9,188.86	-113.73	-474.33	465.94	1.47	-1.09	-14.69	539.35
9,312.00	3.50	252.70	MWD	8/28/2012	NATIVE	9,252.74	-114.88	-478.07	469.74	0.04	0.00	-0.63	543.26
9,376.00	3.20	245.50	MWD	8/28/2012	NATIVE	9,316.63	-116.20	-481.56	473.42	0.81	-0.47	-11.25	546.99
9,440.00	2.90	247.30	MWD	8/28/2012	NATIVE	9,380.54	-117.56	-484.68	476.80	0.49	-0.47	2.81	550.40
9,504.00	2.70	240.00	MWD	8/28/2012	NATIVE	9,444.46	-118.94	-487.47	479.91	0.64	-0.31	-11.41	553.52
9,568.00	2.20	234.30	MWD	8/28/2012	NATIVE	9,508.40	-120.41	-489.78	482.64	0.87	-0.78	-8.91	556.25
9,632.00	2.50	230.60	MWD	8/28/2012	NATIVE	9,572.35	-122.01	-491.85	485.24	0.53	0.47	-5.78	558.87
9,695.00	2.70	239.20	MWD	8/28/2012	NATIVE	9,635.28	-123.65	-494.19	488.08	0.69	0.32	13.65	561.72
9,759.00	2.30	223.20	MWD	8/28/2012	NATIVE	9,699.22	-125.35	-496.36	490.82	1.25	-0.62	-25.00	564.49
9,822.00	2.20	217.30	MWD	8/28/2012	NATIVE	9,762.18	-127.24	-497.96	493.16	0.40	-0.16	-9.37	566.96
9,887.00	2.30	208.60	MWD	8/28/2012	NATIVE	9,827.13	-129.38	-499.34	495.44	0.55	0.15	-13.38	569.50
9,949.00	2.40	211.00	MWD	8/28/2012	NATIVE	9,889.07	-131.58	-500.61	497.65	0.23	0.16	3.87	572.04
10,013.00	1.90	213.60	MWD	8/28/2012	NATIVE	9,953.03	-133.61	-501.88	499.79	0.80	-0.78	4.06	574.44
10,076.00	1.90	211.00	MWD	8/28/2012	NATIVE	10,015.99	-135.38	-503.00	501.65	0.14	0.00	-4.13	576.53
10,140.00	1.90	199.50	MWD	8/28/2012	NATIVE	10,079.96	-137.29	-503.90	503.40	0.59	0.00	-17.97	578.64
10,203.00	2.00	193.50	MWD	8/29/2012	NATIVE	10,142.92	-139.34	-504.51	504.96	0.36	0.16	-9.52	580.78
10,267.00	2.00	193.40	MWD	8/29/2012	NATIVE	10,206.88	-141.51	-505.02	506.52	0.01	0.00	-0.16	583.02
10,330.00	2.10	190.90	MWD	8/29/2012	NATIVE	10,269.84	-143.72	-505.50	508.05	0.21	0.16	-3.97	585.27
10,394.00	2.00	182.60	MWD	8/29/2012	NATIVE	10,333.80	-145.98	-505.77	509.44	0.49	-0.16	-12.97	587.55
10,458.00	2.10	176.60	MWD	8/29/2012	NATIVE	10,397.76	-148.27	-505.75	510.59	0.37	0.16	-9.38	589.84
10,521.00	1.80	166.40	MWD	8/29/2012	NATIVE	10,460.72	-150.38	-505.45	511.41	0.73	-0.48	-16.19	591.97
10,585.00	1.60	170.60	MWD	8/29/2012	NATIVE	10,524.70	-152.24	-505.07	512.03	0.37	-0.31	6.56	593.87
10,648.00	1.80	134.20	MWD	8/29/2012	NATIVE	10,587.67	-153.80	-504.21	512.09	1.71	0.32	-57.78	595.65
10,712.00	1.70	138.80	MWD	8/29/2012	NATIVE	10,651.64	-155.21	-502.87	511.66	0.27	-0.16	7.19	597.60
10,776.00	1.90	124.40	MWD	8/29/2012	NATIVE	10,715.61	-156.53	-501.37	511.04	0.77	0.31	-22.50	599.59
10,839.00	2.30	133.20	MWD	8/29/2012	NATIVE	10,778.57	-157.98	-499.59	510.25	0.81	0.63	13.97	601.90
10,903.00	1.90	111.80	MWD	8/29/2012	NATIVE	10,842.53	-159.26	-497.66	509.25	1.36	-0.63	-33.44	604.20
10,967.00	2.00	127.50	MWD	8/29/2012	NATIVE	10,906.49	-160.33	-495.79	508.18	0.85	0.16	24.53	606.36
11,031.00	2.30	120.00	MWD	8/29/2012	NATIVE	10,970.44	-161.65	-493.79	507.14	0.64	0.47	-11.72	608.75
11,095.00	1.80	128.30	MWD	8/29/2012	NATIVE	11,034.40	-162.92	-491.89	506.15	0.91	-0.78	12.97	611.04
11,159.00	2.20	142.50	MWD	8/29/2012	NATIVE	11,098.36	-164.52	-490.36	505.65	0.99	0.63	22.19	613.25
11,222.00	2.10	134.80	MWD	8/29/2012	NATIVE	11,161.32	-166.29	-488.80	505.21	0.48	-0.16	-12.22	615.61
11,286.00	2.40	140.10	MWD	8/30/2012	NATIVE	11,225.27	-168.14	-487.11	504.70	0.57	0.47	8.28	618.12
11,350.00	2.20	144.80	MWD	8/30/2012	NATIVE	11,289.22	-170.17	-485.54	504.39	0.43	-0.31	7.34	620.69
11,414.00	2.40	134.30	MWD	8/30/2012	NATIVE	11,353.17	-172.11	-483.88	503.95	0.73	0.31	-16.41	623.25
11,475.00	2.20	132.90	MWD	8/31/2012	NATIVE	11,414.12	-173.80	-482.10	503.29	0.34	-0.33	-2.30	625.69
11,540.00	2.80	148.10	MWD	8/31/2012	NATIVE	11,479.06	-176.00	-480.35	502.90	1.37	0.92	23.38	628.51
11,604.00	2.90	141.50	MWD	8/31/2012	NATIVE	11,542.98	-178.59	-478.52	502.65	0.54	0.16	-10.31	631.68
11,668.00	2.80	157.30	MWD	8/31/2012	NATIVE	11,606.90	-181.30	-476.91	502.65	1.23	-0.16	24.69	634.83
11,731.00	2.80	147.90	MWD	8/31/2012	NATIVE	11,669.83	-184.03	-475.49	502.82	0.73	0.00	-14.92	637.90
11,794.00	2.90	168.20	MWD	8/31/2012	NATIVE	11,732.75	-186.89	-474.35	503.30	1.60	0.16	32.22	640.99
11,858.00	3.50	149.10	MWD	8/31/2012	NATIVE	11,796.65	-190.15	-473.02	503.82	1.90	0.94	-29.84	644.51

QEP ENERGY

Operations Summary Report

Legal Well Name: RWU 14-23A (50)
Common Well Name: RWU 14-23A (50)
Event Name: RE-ENTER
Contractor Name: AZTEC
Rig Name: AZTEC

Start: 8/20/2012
Rig Release: 9/4/2012
Rig Number: 781

Spud Date: 8/17/1956
End: 9/4/2012
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/21/2012	06:00 - 06:00	24.00	LOC	4	RDMO	RIG DOWN SUB, SCOPE IN DERRICK AND LAY OVER, RIG DOWN PUMPS, PASON AND ELETRICAL LINES WELDERS ON LOCATION WORKING ON PUMP DISCHARGE LINES, HAD 4 HAUL TRUCKS AND HAULED OFF PIPE TUBS CATWALK, 400 BBL UPRIGHTAND MUD TRAILORS
8/22/2012	06:00 - 20:30	14.50	LOC	3	RDMO	MOVE RIG FROM RW 12-13B TO THE RW 14-23A SET IN RIG, RIG UP BACKYARD, RAISE DERRICK, BRAKE BANDS BAD, NEW BANDS AND PADS COMING FROM FARMINGTON.
	20:30 - 06:00	9.50	LOC	4	RDMO	RIG UP,INSTALLED REWELDED #2 PUMP DISCHARGE, RIG UP PAYSON LINES, HOOK UP ELECTRICAL, INSTALL SAFETY EQUIPMENT, HOOK UP TOP, TOP DRIVE TRACK
8/23/2012	06:00 - 14:00	8.00	RIG	2	MIRU	INSPECT BRAKE LINKAGE/ WORK ON BREAK BANDS (INSTALL AND AJUST BRAKES)-- RE-INSTALL BRAKE GAURDS
	14:00 - 20:00	6.00	LOC	4	MIRU	RIG UP TOP DRIVE, TRACK, (CHANGE OUT HAMMER UNION ON KELLY HOSE AND SAVER SUB)
	20:00 - 00:00	4.00	LOC	4	MIRU	HOOK UP BUSTER LINES, FINISH HOOKING UP PASON, RIG UP RIG FLOOR WITH 3 1/2 " TOOLS, FILL MUD TANKS (PUMP THRU POP OFF LINES)
	00:00 - 06:00	6.00	BOP	1	MIRU	PJSM / JHA, SET CROSS OVER, SPACER SPOOL AND NIPPLE UP BOPE
8/24/2012	06:00 - 12:30	6.50	BOP	2	DRLPRO	PJSM/JHA TEST BOP-- TIW VALVE, IBOP AND LOWER KELLY VALVE, PIPE AND BLIND RAMS, INNER AND OUTER CHOKE VALVES AND CHOKE MANIFOLD 250 PSI LOW (10 MIN.), 5000 PSI HI (10 MIN.), TESTED ANNULAR 250 PSI LOW (10 MIN.) 2500 PSI HI (10 MIN.), (HAD TO RETIGHEN FLANGES ON BOPE TWICE)
	12:30 - 13:30	1.00	TRP	1	DRLPRO	PRE JOB SAFETY MEETING--RIG UP LAYDOWN TRUCK TO PICK UP BHA AND DRILL PIPE
	13:30 - 18:30	5.00	TRP	3	DRLPRO	PICK UP BHA SCRIBE AND TEST MWD, PICK UP DRILL PIPE TAG BRIDGE PLUG @ 5,020'
	18:30 - 19:00	0.50	DRL	4	DRLPRO	DRILL COMPOSITE BRIDGE PLUG
	19:00 - 20:30	1.50	TRP	3	DRLPRO	PICK UP DRILL PIPE TAG BOTTOM @ 6,248'
	20:30 - 21:30	1.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP WHILE RIGGING DOWN LAY-DOWN TRUCK
	21:30 - 01:00	3.50	LOG	4	DRLPRO	PJSM, RIG UP GYRO AND GYRO WELL THRU DRILL PIPE (GYRO TO 6200') RIG DOWN GYRO
	01:00 - 05:30	4.50			DRLPRO	DIRECTIONAL DRILL FROM 6248' TO 6621 (82.88 HR), 10/15 K WOB, ROTARY 35 RPM, 107 DHRPM, 1250 OFF BOTTOM PSI AT 140 STKS, 200/400 DIFFERENTIAL, 275 GPM, 8.6#, 34 VIS SEC FX55 6 1/8" BIT .7544 TFA HUNTING 5" MOTOR 7/8 LOBE, 2.6 STAGE, .26 RPG, 1.83 FIXED BEND
	05:30 - 06:00	0.50	SUR	1	DRLPRO	SURVEYS AND CONNECTIONS
8/25/2012	06:00 - 07:30	1.50	RIG	2	DRLPRO	CHANGE OUT LINER AND SWAB ON #1 PUMP #1 HOLE, #2 PUMP WOULDN'T START SO PUT RIG ON DOWN TIME
	07:30 - 16:30	9.00	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 6,621' TO 6,875 (28.2HR), 10/15 K WOB, 72 DHRPM, 1600 OFF BOTTOM PSI AT 140 STKS, 200 DIFFERENTIAL, 275 GPM, 8.7#, 37 VIS (HAVE PROBLEMS HOLING TOOL FACE FORMATION RATTY)
	16:30 - 18:00	1.50	SUR	1	DRLPRO	CONNECTIONS AND SURVEYS (HAD TO RECYCLE PUMPS ACOUPLE OF TIMES TO GET SURVEYS)
	18:00 - 05:00	11.00	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 6,875' TO 7,370 (45HR), 10/15 K

Operations Summary Report

Legal Well Name: RWU 14-23A (50)
Common Well Name: RWU 14-23A (50)
Event Name: RE-ENTER
Contractor Name: AZTEC
Rig Name: AZTEC

Start: 8/20/2012
Rig Release: 9/4/2012
Rig Number: 781

Spud Date: 8/17/1956
End: 9/4/2012
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/25/2012	18:00 - 05:00	11.00	DRL	2	DRLPRO	WOB, 72 DHRPM, 1700 OFF BOTTOM PSI AT 140 STKS, 200/300 DIFFERENTIAL, 275 GPM, 8.7#, 37 VIS (HAVE PROBLEMS HOLING TOOL FACE FORMATION RATTY)
	05:00 - 06:00	1.00	SUR	1	DRLPRO	CONNECTIONS AND SURVEYS
8/26/2012	06:00 - 08:00	2.00	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 7,370' TO 7,445 (37.5 HR), 10/15 K WOB, 72 DHRPM, 1700 OFF BOTTOM PSI AT 140 STKS, 200/300 DIFFERENTIAL, 275 GPM, 8.7#, 37 VIS
	08:00 - 08:30	0.50	RIG	1	DRLPRO	RIG SERVICE AND ADJUST BRAKES
	08:30 - 14:30	6.00	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 7,445' TO 7,684 (39.8HR), 10/15 K WOB, 72 DHRPM, 1700 OFF BOTTOM PSI AT 140 STKS, 200/300 DIFFERENTIAL, 275 GPM, 8.7#, 37 VIS
	14:30 - 15:30	1.00	SUR	1	DRLPRO	CONNECTIONS AND SURVEYS
	15:30 - 20:30	5.00	TRP	10	DRLPRO	TRIP OUT OF HOLE TO CHANGE OUT BIT, PULLED MWD CHECKED SCRIBE
	20:30 - 21:00	0.50	RIG	2	DRLPRO	CHANGE OUT HOSE ON TORQUE SENSOR GAUGE
	21:00 - 00:00	3.00	TRP	2	DRLPRO	TRIP IN HOLE WITH NEW BIT TO SHOE AT 6248
	00:00 - 01:30	1.50	RIG	6	DRLPRO	PJSM, SLIP AND CUT 105' OF DRILL LINE RE-SET COM AND TEST
	01:30 - 02:00	0.50	TRP	2	DRLPRO	TRIP IN HOLE TO 7620'
	02:00 - 02:30	0.50	REAM	1	DRLPRO	SAFETY WASH AND REAM 64' TO BOTTOM AND PATERN BIT
	02:30 - 05:30	3.00	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 7,684' TO 7,850 (55.3HR), 10/20 K WOB, 72 DHRPM, 1800 OFF BOTTOM PSI AT 140 STKS, 200/300 DIFFERENTIAL, 275 GPM, 8.7#, 37 VIS BIT #2 - ULTERA, U613M, #14686, 6-16, 1.1781 TFA MOTOR (SAME) 4 3/4" HUNTING, 7/8 LOBE, 2.6 STAGE, .26 RPG, 1.83 FIXED BEND.
	05:30 - 06:00	0.50	SUR	1	DRLPRO	CONNECTIONS AND SURVEYS
8/27/2012	06:00 - 16:30	10.50	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 7,850' TO 8,400 (52.3' HR), 10/20 K WOB, 72 DHRPM, 1800 OFF BOTTOM PSI AT 140 STKS, 200/300 DIFFERENTIAL, 275 GPM, 8.7#, 37 VIS
	16:30 - 17:00	0.50	RIG	1	DRLPRO	RIG SERVICE, CHANGE GEN.S, CHECK OIL AND FLUIDS IN ALL MOTORS
	17:00 - 18:00	1.00	SUR	1	DRLPRO	CONECTIONS AND SURVEYS
	18:00 - 05:00	11.00	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 8,400' TO 9,015 (55.9' HR), 10/20 K WOB, 72 DHRPM, 1800 OFF BOTTOM PSI AT 140 STKS, 200/300 DIFFERENTIAL, 275 GPM, 9.2#, 40 VIS
	05:00 - 06:00	1.00			DRLPRO	CONECTIONS AND SURVEYS
8/28/2012	06:00 - 10:30	4.50	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 9,015' TO 9,162 (32.6' HR), 10/20 K WOB, 72 DHRPM, 2100 OFF BOTTOM PSI AT 140 STKS, 200/300 DIFFERENTIAL, 275 GPM, 9.2#, 40 VIS
	10:30 - 11:00	0.50	RIG	1	DRLPRO	RIG AND TOP DRIVE SERVICE
	11:00 - 15:00	4.00	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 9,162' TO 9313' (37.75 HR), 10/20 K WOB, 72 DHRPM, 2100 OFF BOTTOM PSI AT 140 STKS, 200/300 DIFFERENTIAL, 275 GPM, 9.2#, 42 VIS
	15:00 - 15:30	0.50	CIRC	1	DRLPRO	CIRCULATE AND PUMP TRIP SLUG
	15:30 - 23:30	8.00	TRP	2	DRLPRO	PJSM, TRIP OUT OF HOLE, CHECK MWD, CHANGE OUT MUD MOTOR, BIT, SCRIBE, TRIP IN HOLE TO 2604 / ATEMPT TO FILL PIPE AND PIPE WAS PLUGGED
	23:30 - 02:30	3.00	TRP	2	DRLPRO	PJSM, TRIP OUT WET AND LAY DOWN LOCKED UP / PLUGED MOTOR PICK UP NEW MOTOR ORIENT AND TEST

Operations Summary Report

Legal Well Name: RWU 14-23A (50)
Common Well Name: RWU 14-23A (50)
Spud Date: 8/17/1956
Event Name: RE-ENTER
Start: 8/20/2012
End: 9/4/2012
Contractor Name: AZTEC
Rig Release: 9/4/2012
Group:
Rig Name: AZTEC
Rig Number: 781

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/28/2012	02:30 - 03:00	0.50	RIG	2	DRLPRO	DRUM CLUTCH NOT KICKING IN / ROTARY SWITCH SHUT OFF
	03:00 - 06:00	3.00	TRP	2	DRLPRO	TRIP IN HOLE WITH BIT #3 FUNCTION BLINDS AND PIPES 6 1/8" ULTERA U613, 6-16, 1.1781 TFA, #UO1589 4 3/4" HUNTING MOTOR, 7/8 LOBE, 2.6 STAGE, .26 RPG, 1.83 FIXED BEND
8/29/2012	06:00 - 08:00	2.00	TRP	2	DRLPRO	TRIP IN HOLE WITH BIT #3 TO 9,205
	08:00 - 08:30	0.50	REAM	1	DRLPRO	WASH FROM 9.205 TO 9,313
	08:30 - 09:00	0.50	RIG	1	DRLPRO	SERVICE RIG (CHECK ALL EQUIPMENT)
	09:00 - 17:00	8.00	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 9,313' TO 9,772' (57.37HR), 10/18 K WOB, 103 DHRPM, 2100 OFF BOTTOM PSI AT 140 STKS, 200/300 DIFFERENTIAL, 275 GPM, 9.3#, 39 VIS
	17:00 - 18:00	1.00	SUR	1	DRLPRO	CONNECTIONS AND SURVEYS AT 9,804' WORKED PIPE SEVERL TIMES TO AQUIRE PULSES
	18:00 - 05:00	11.00	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 9,772' TO 10,289' (47 HR), 16/18 K WOB, 103 DHRPM, 2150 OFF BOTTOM PSI AT 140 STKS, 300/500 DIFFERENTIAL, 275 GPM, 9.5#, 38 VIS
	05:00 - 06:00	1.00	SUR	1	DRLPRO	SURVEYS AND CONNECTIONS
8/30/2012	06:00 - 16:30	10.50	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 10,289' TO 10,853' (53.71 HR), 16/18 K WOB, 103 DHRPM, 2200 OFF BOTTOM PSI AT 130 STKS, 300/600 DIFFERENTIAL, 225 GPM, 9.9#, 38 VIS
	16:30 - 17:00	0.50	RIG	1	DRLPRO	RIG AND TOP DRIVE SERVICE
	17:00 - 18:00	1.00	SUR	1	DRLPRO	SURVEYS AND CONNECTIONS
	18:00 - 04:30	10.50	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 10,853' TO 11,330' (45.42 HR), 16/18 K WOB, 103 DHRPM, 2300 OFF BOTTOM PSI AT 130 STKS, 300/600 DIFFERENTIAL, 225 GPM, 9.9#, 38 VIS
	04:30 - 06:00	1.50	SUR	1	DRLPRO	SURVEYS AND CONNECTIONS HAD TROUBLE GETTING A PULSE FOR SURVEYS ON A FEW OCASIONS
8/31/2012	06:00 - 13:00	7.00	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 10,330' TO 11,517' (26.7 HR), 16/18 K WOB, 103 DHRPM, 2300 OFF BOTTOM PSI AT 130 STKS, 300/600 DIFFERENTIAL, 225 GPM, 9.9#, 38 VIS (TORQUING UP AND STALLING MOTOR, HAVING TO RE-SYNC MWD TOOL TO GET GAMMA DATA)
	13:00 - 13:30	0.50	SUR	1	DRLPRO	SURVEYS AND CONNECTIONS
	13:30 - 14:30	1.00	TRP	10	DRLPRO	TRIP OUT OF HOLE TO CHANGE BIT, MOTOR, MWD AND JARS
	14:30 - 17:30	3.00	FISH	6	DRLPRO	WORK STUCK BIT, PULLED BIT INTO TIGHT SPOT IN WELL, TRY JARRING DOWN ON IT JARS FIRED 3 TIMES DOWN, THEN WOULDN'T FIRE, STARTED WHIPPING THE PIPE DOWN TO FREE UP, WITH NO LUCK, STARTED JARRING UP MADE HEAD WAY WITH FIRST LICK, KEPT JARING UP, JARRED UP 12' FROM 10,494 TO 10,482 FREED UP, BACK REAMED NEXT 193', STRAIGHT PULLED FROM THERE
	17:30 - 00:30	7.00	TRP	10	DRLPRO	TRIP OUT OF HOLE FROM 10,484 STAPPING PIPE STRAP = 11518.26 PIPE TALLY = 11517.2 DIFFERENCE = + 1.06
	00:30 - 02:00	1.50	TRP	1	DRLPRO	CHANGE OUT JARS, MOTOR, BIT AND MWD / TEST MWD

Operations Summary Report

Legal Well Name: RWU 14-23A (50)
Common Well Name: RWU 14-23A (50)
Spud Date: 8/17/1956
Event Name: RE-ENTER
Start: 8/20/2012
End: 9/4/2012
Contractor Name: AZTEC
Rig Release: 9/4/2012
Group:
Rig Name: AZTEC
Rig Number: 781

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
8/31/2012	00:30 - 02:00	1.50	TRP	1	DRLPRO	6 1/8" ULTERA U613M, #14220, 6-16, 1.1781 TFA 4 3/4" HUNTING STRAIGHT MOTOR, 7/8 LOBE, 2.6 STAGE, .26 RPG, #H093
	02:00 - 02:30	0.50	RIG	1	DRLPRO	RIG SERVICE XO TONG DIES JHA, TRIP IN HOLE
	02:30 - 06:00	3.50	TRP	2	DRLPRO	TRIP IN HOLE WITH BIT #4
9/1/2012	06:00 - 09:00	3.00	TRP	2	DRLPRO	TRIP IN HOLE / WASH THROUGH BRIDGE AT 10,500
	09:00 - 09:30	0.50	REAM	1	DRLPRO	SAFETY WASH AND REAM FROM 11,470' TO 11,517'
	09:30 - 10:00	0.50	RIG	1	DRLPRO	RIG AND TOP DRIVE SERVICE ADJUST BREAKS ON DRUM
	10:00 - 17:30	7.50	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 11,517' TO 11,902' (51.3 HR), 16/18 K WOB, 103 DHRPM, 2300 OFF BOTTOM PSI AT 130 STKS, 300/600 DIFFERENTIAL, 250 GPM, 10#, 38 VIS / CONTROL DRILLING AT 60 / 65 FT HR TO ENSURE GOOD GAMMA LOGS
	17:30 - 18:30	1.00	SUR	1	DRLPRO	SURVEYS AND CONNECTIONS
	18:30 - 19:00	0.50	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 11,902' TO 11,920' (18' HR), 16/18 K WOB, 103 DHRPM, 2300 OFF BOTTOM PSI AT 130 STKS, 300/600 DIFFERENTIAL, 250 GPM, 10#, 38 VIS / CONTROL DRILLING AT 60 / 65 FT HR TO ENSURE GOOD GAMMA LOGS
	19:00 - 20:00	1.00	CIRC	1	DRLPRO	HAD 18 BBL. PIT GAIN AND 15' FLARE 9,473 UNITS OF GAS CIRCULATE BRING WT FROM 10.0 PPG TO 10.2 , WELL STABLE
	20:00 - 21:00	1.00	DRL	2	DRLPRO	DIRECTIONAL SLIDE DRILL FROM 11,920' TO 11,943' (23' HR), 16/18 K WOB, 103 DHRPM, 2300 OFF BOTTOM PSI AT 130 STKS, 300/600 DIFFERENTIAL, 250 GPM, 10#, 38 VIS / CONTROL DRILLING AT 60 / 65 FT HR TO ENSURE GOOD GAMMA LOGS
	21:00 - 22:00	1.00	CIRC	5	DRLPRO	CIRCULATE FORMATION SAMPLE (BRING MUD WT UP TO 10.4)
	22:00 - 23:00	1.00	CIRC	1	DRLPRO	CIRCULATE MUD WT 10.4 BACK TO SURFACE
	23:00 - 01:00	2.00	TRP	14	DRLPRO	TRIP OUT OF HOLE TO 10,000' TIGHT 5 STANDS OFF BOTTOM
	01:00 - 02:00	1.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP TO DISPLACE BACK SIDE WITH 10.4# MUD 10' FLARE TO START / NO FLARE AT END OF CIRCULATION
	02:00 - 02:30	0.50	BOP	3	DRLPRO	INSTALL NEW ROT HEAD RUBBER AND CHECK FOR FLOW
	02:30 - 03:30	1.00	TRP	2	DRLPRO	TRIP IN HOLE FROM 10,000' TO 11,800
	03:30 - 04:00	0.50	REAM	1	DRLPRO	SAFETY WASH TO BOTTOM
	04:00 - 06:00	2.00	CIRC	1	DRLPRO	CIRCULATE BOTTOMS UP, STUCK ON CHOKE @ 0400 CIRCULATE A BOTTOMS UP ON CHOKE, HAD 17 BBL. GAIN, 40' FLARE/ BRING MUD WT UP TO 10.6
9/2/2012	06:00 - 09:00	3.00	CIRC	1	CSGPRO	CIRCULATE AND BUILD VOLUME,WT MUD UP TO 10.6 / ADD LCM FOR SEEPAGE STARTED WITH 40 BBL.S HR DOWN TO LOSSING 4 BBL.S HR. WITH 5% LCM CIRCULATING @ 5.6 BBL. MIN
	09:00 - 11:30	2.50	RIG	2	CSGPRO	DRAWORKS CHAIN BROKE/ WAITED ON CHAIN FORM TOWN (RIG DIDN'T HAVE BACK UP CHAIN)
	11:30 - 13:30	2.00	TRP	2	CSGPRO	PJSM, TRIP OUT FOR LOGS TO 8815' / HOLE NOT TAKING PROPER AMOUNT OF FLUID
	13:30 - 14:30	1.00	CIRC	1	CSGPRO	CIRCULAT BOTTOMS UP WITH FULL RETURNS (CIRCULATE OUT TRIP SLUG)
	14:30 - 16:00	1.50	TRP	2	CSGPRO	TRIP IN HOLE TO BOTTOM
	16:00 - 17:00	1.00	CIRC	1	CSGPRO	CIRCULATE BOTTOMS UP / CONDITION MUD/ 9BBL GAIN/ 15' FLARE -SHORT LIVED / 7323 UNITS GAS / BUILD TRIP SLUG

Operations Summary Report

Legal Well Name: RWU 14-23A (50)
Common Well Name: RWU 14-23A (50)
Spud Date: 8/17/1956
Event Name: RE-ENTER
Start: 8/20/2012
End: 9/4/2012
Contractor Name: AZTEC
Rig Release: 9/4/2012
Group:
Rig Name: AZTEC
Rig Number: 781

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/2/2012	16:00 - 17:00	1.00	CIRC	1	CSGPRO	RE-PLACED CHAIN AND REPAIRED GUARD
	17:00 - 17:30	0.50	RIG	2	CSGPRO	FINISH GAURD ON DRAW-WORKS AND INSTALL
	17:30 - 20:30	3.00	TRP	2	CSGPRO	TRIP OUT OF HOLE TO LOG
	20:30 - 21:30	1.00	CIRC	1	CSGPRO	FLOW CHECK @ SHOE/ NO FLOW/CIRCULATE AND SPOT ECD SLUG @ SHOE 12.7 (40 BBL.S)
	21:30 - 01:30	4.00	TRP	2	CSGPRO	TRIP OUT TO LOG HOLE / LAY DOWN MUD MOTOR CHECK FO FLOW AT BHA AND OUT
	01:30 - 02:30	1.00	LOG	1	CSGPRO	PJSM WITH LOGGERS ON RIGGING UP, PICKING UP SORCE AND RUNNING OPEN HOLE LOGS CLEANED FLOOR
	02:30 - 06:00	3.50	LOG	1	CSGPRO	RUN IN HOLE WITH LOGS AND HIT TIGHT SPOT AT 7854' AND WENT THROUGH LOGGERS TD WAS 11,968'
9/3/2012	06:00 - 08:00	2.00	LOG	1	DRLPRO	FINISH WITH LOGGING AND RIG DOWN LOGGERS (HAD TROUBLE GETTING TOOL BACK INSIDE DRILL PIPE)
	08:00 - 11:30	3.50	TRP	2	DRLPRO	MAKE UP TRI-CONE BIT, BIT SUB AND TRIP IN HOLE TO CASING SHOE
	11:30 - 13:00	1.50	RIG	6	DRLPRO	SLIP AND CUT DRILLING LINE
	13:00 - 15:30	2.50	TRP	2	DRLPRO	TRIP IN HOLE FROM CASING SHOE,
	15:30 - 18:00	2.50	CIRC	1	DRLPRO	CIRCULATE SWEEP, CONDITION MUD, PUMP TRIP SLUG
	18:00 - 23:30	5.50	TRP	3	DRLPRO	PJSM, LAY DOWN DRILL PIPE TO RUN 4 1/2" PRODUCTION CASING to 2,040
	23:30 - 00:00	0.50	RIG	1	DRLPRO	RIG SERVICE / RUNNING OUT OF DIESEL
	00:00 - 00:30	0.50	RIG	2	DRLPRO	RIG REPAIR--DRAW-WORKS WIRING HARNESS MELTED-- MADE NEW GROUND
	00:30 - 03:00	2.50	TRP	3	DRLPRO	LAY DOWN DRILL PIPE AND BHA
	03:00 - 04:30	1.50	CSG	1	DRLPRO	PJSM / JHA WITH ALL, CHANGE OUT BALES, INSTALL CRT, RIG UP CASING CREW TO RUN PRODUCTION CASING
	04:30 - 06:00	1.50	CSG	2	DRLPRO	MAKE UP FLOAT EQUIPMENT, FILL PIPE AND TEST FLOATS, FILL AT 500', 1000', 2500', WITH CLEAN MUD (NO LCM) RUN 11,938' OF 4 1/2", 11.6#, HCP-110, LT&C CASING AS FOLLOWS: 1 FLOAT SHOE = 1.33' 1 FLOAT COLLAR = .93' 22 JTS CASING = 994.65 1 MARKER = 2.05' 22 JTS CASING = 1004.16' 1 MARKER = 2.05' 22 JTS CASING = 1011.07' 1 MARKER = 2.05' 21 JTS CASING = 971.03' 1 MARKER = 2.05' 173 JTS CASING = 7946.63'
9/4/2012	06:00 - 17:00	11.00	CSG	2	CSGPRO	CONTINUEING RUNNING PRODUCTION CASING FILLING PIPE AT 3334', 4817', CIRCULATE BOTTOMS UP AT 6272', FILL AT 7998', CIRCULATE AT 10,014', FILL AT 11,053', 11,507', AND WASH LAST 47' TO BOTTOM AT 11,945'
	17:00 - 18:30	1.50	CIRC	1	CSGPRO	CIRCULATE HOLE TO CEMENT 4 1/2 PRODUCTION CASING
	18:30 - 22:00	3.50	CMT	2	CSGPRO	HOLD PRE JOB SAFETY MEETING, RIG UP HALLIBURTON, PUMP CEMENT AS FOLLOWS: PRESSURE TEST LINES 5,000K, 10 BBL.S WATER, 20 BBL.S 10.7# PPG SUPER FLUSH, 10 BBL.S WATER, 206 BBL.S (400 SX.S) 10.9#PPG, YIELD 2.32, 10.65 GAL SX, CEMENT EXTENDA CEM , 62 BBL.S (235 SX.) 13.5# PPG YIELD 1.49, 7.04

QEP ENERGY

Operations Summary Report

Legal Well Name: RWU 14-23A (50)
Common Well Name: RWU 14-23A (50)
Event Name: RE-ENTER
Contractor Name: AZTEC
Rig Name: AZTEC

Start: 8/20/2012
Rig Release: 9/4/2012
Rig Number: 781

Spud Date: 8/17/1956
End: 9/4/2012
Group:

Date	From - To	Hours	Code	Sub Code	Phase	Description of Operations
9/4/2012	18:30 - 22:00	3.50	CMT	2	CSGPRO	GAL SX, CEMENT EXPANDACEM, CLEAN LINES AND DROP PLUG DIS-PLACED 185 BBL.S OF 2# KCL WATER... HAD 18 BBL.S OF CEMENT BACK TO SURFACE, FULL RETURNS THROUGH OUT CEMENT JOB ... PLUG BUMPED -FLOATS HELD-2 BBL.S BACK, RIG DOWN CEMENTERS
	22:00 - 23:00	1.00	BOP	1	CSGPRO	NIPPLE DOWN / PICK UP BOP AND SET 4 1/2" PRODUCTION SLIPS WITH 112K
	23:00 - 01:00	2.00	BOP	1	CSGPRO	FINISH NIPPLE DOWN, SET BOP BACK AND CHAIN OFF, INSTALL NIGHT CAP AND CLEAN MUD TANKS RELEASE RIG AT 01:00 ON 9/4/2012
	01:00 - 06:00	5.00	LOC	4	CSGPRO	RIG DOWN, LAY DOWN TOP DRIVE AND TRACK.

FEDERAL APPROVAL OF THIS ACTION IS NECESSARY

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: U-0559

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RW 14-23A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047151760000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 595-5919 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0664 FSL 0758 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 23 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/24/2016	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

QEP Energy Company respectfully requests approval to repair the casing in the above mentioned well. QEP plans to use a RBP and packer to isolate the leak and then use cement to fix the hole. Once the repair is made, the well will be returned to production.

Approved by the Utah Division of Oil, Gas and Mining
October 25, 2016
Date:
By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jan Nelson	435 781-4331	Permit Agent
SIGNATURE N/A		**DATE** 10/14/2016

RECEIVED: Oct. 14, 2016

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: U-0559

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Gas Well

8. WELL NAME and NUMBER: RW 14-23A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047151760000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 595-5919 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0664 FSL 0758 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 23 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION

- ☐ NOTICE OF INTENT — Approximate date work will start:
- ✓ SUBSEQUENT REPORT — Date of Work Completion: 11/28/2016
- ☐ SPUD REPORT — Date of Spud:
- ☐ DRILLING REPORT — Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

On 11-28-16 QEP Energy Company (QEP) repaired the casing in the referenced well. The production casing had parted at 26' from surface. To repair this QEP cut the production casing at 82' and replaced that section with new casing and re-attached it with an external casing patch. The new casing and patch were pressure tested to 4000 psi. The well was returned to production.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
December 30, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jan Nelson	435 781-4331	Permit Agent

SIGNATURE	DATE
N/A	12/19/2016

RECEIVED: Dec. 19, 2016