

CONVERTED TO GAS INJECTION WELL 9-15-60

STARTED INJECTING 7-1-61

~~THE~~ NOTATIONS

Entered in N I D File

Entered on S R Sheet

Location Map Pinned

Card Indexed

I W R for State or Fee Land

Checked by Chief

Copy N I D to Field Office

Approval Letter

Disapproval Letter

COMPLETION DATA:

Date Well Completed 12-24-58

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

GW \_\_\_\_\_ OS \_\_\_\_\_ PA

Location Inspected \_\_\_\_\_

Bond released \_\_\_\_\_

State of Fee Land \_\_\_\_\_

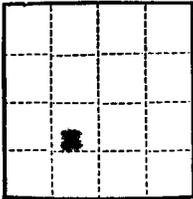
LOGS FILED

Driller's Log 3-26-59

Electric Logs (No. ) 5 ✓

E. 2 E-I \_\_\_\_\_ GR \_\_\_\_\_ GR-N \_\_\_\_\_ Micro 2

Lat. \_\_\_\_\_ Mi-L. \_\_\_\_\_ Sonic  Others \_\_\_\_\_



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. 2-0962

Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Vernal, Utah November 28, 1958

Well No. 23-251 (89) is located 2004.6 ft. from 1000 [S] line and 1046.1 ft. from 1000 [W] line of sec. 15

15 (1/4 Sec. and Sec. No.) 7E (Twp.) 22 R (Range) S10M (Meridian)  
Red Wash (Field) Wasatch (County or Subdivision) Utah (State or Territory)

The elevation of the Wellly bushing above sea level is 5024 ft.

DETAILS OF WORK

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

It is proposed to drill a test well for oil or gas to be completed in the lower Green River formation.

10 3/4" casing to be cemented approximately 225'  
7" casing to be cemented below lowest productive sand with sufficient cement to reach 4000'.

Top Green River	2902'
*H Point	4956'
*K Point	5611'

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.

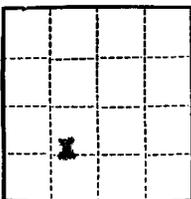
Address P. O. Box 455

Vernal, Utah

By G. V. CHRISTENSEN

Title District Superintendent

USGS-1, 1000-1, 1000-1, 1000-1, 1000-1, 1000-1



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-0959  
Unit Red Wash

71 - K  
1-12

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.....	X		

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

Vernal, Utah ..... December 30, 1958  
Well No. 23-15A is located 800.6 ft. from S line and 1946.4 ft. from W line of sec. 15  
1/4 Sec. and 1/4 Sec. No. 15 ..... 75 ..... 23-15A ..... 15  
(Twp.) (Range) (Meridian)  
Red Wash ..... Wasatch County or Subdivision) ..... Utah (State or Territory)

The elevation of the well casing above sea level is 5054 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)

Confirming telephone conversation Locke-Russell Dec. 23, 1958.

Present Status: T.D. 762', 10 3/4" csg cas 229'. Objective sands produced primarily water on drill stem tests. No other commercial oil or gas zones encountered. Markers: Top of Green River: 2870', "K" Pts-5587'

Procedure of abandonment:	Amount of Cem.	Depth	Location
1	75	5624-5424	Covers producing zone of wells in area.
2	75	2950-2750	Top of Green River
3	125	276-176 (or higher)	Bridge shoe of surface casing
4	7	15-30	Top of surface casing

Well to be marked with a monument consisting of a 4"x15" pipe and imbedded

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

in concrete with 4" above ground.

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

Address P. O. Box 455

Vernal, Utah

By C. V. Chatterton

Title District Superintendent

W ✓  
UGS-3; CGCC-1; Giff-1; Caultkins-1;  
CWS-1; MPW-1; Fille-1

STANDARD OIL COMPANY OF CALIFORNIA

FIELD: Red Wash

PROPERTY: Section 15

WELL NO: 23-15A (#89)

Sec. 15 T. 7S R. 22E SL B. & M.

Following is complete and correct record of all work done on the well since the previous record dated \_\_\_\_\_

PURPOSE OF WORK

Handwritten notes: 2/14, 4/20

DATE OF REPORT: March 12, 1959

Signature: C. W. Chatterton  
Sup't. Producing Department  
Date: 3/23/59

WORK DONE BY: Kerr-McGee Oil Industries, Inc.

COMMENCED OPERATIONS: December 2, 1958

COMPLETED OPERATIONS: December 24, 1958

DATE WELL LAST PRODUCED:

DATE RETURNED TO PRODUCTION:

PRODUCTION:

PRIOR TO WORK

AFTER WORK

Oil	_____	B/D	_____	B/D
Water	_____	B/D	_____	B/D
Gas	_____	Mcf/D	_____	Mcf/D
Gravity	_____	°API	_____	°API
Tubing	_____	PSIG	_____	PSIG
Casing	_____	PSIG	_____	PSIG
Method of Production:				
Pumping	_____		_____	
Flowing	_____		_____	
Gas Lift	_____		_____	

SUMMARY

T.D.: 5624'

MARKERS:

TGR	2870'
"H"	4927'
"I"	5129'
"J"	5427'
"K"	5588'

CASING: 10 4/5" cmtd 229'.

LOGS RUN: Induction-ES 5594-5536'  
 Microlog-Caliper 5599-2000'  
 Sonic 5594-250'

PLUGS: 52' - 276'  
 75 sax equalized at 2950'  
 75 sax equalized at 5623'

Handwritten circled 'E'

DST'S:

#1 5548 - 5568'  
 #2 5585 - 5615'

Well plugged and abandoned December 24, 1958.

WELL NO: 23-15A (#89)

PROPERTY: Section 15A

RED WASH FIELD

Cemented 16" conductor pipe at 22'.

Kerr-McGee Oil Industries, Inc. moved in and rigged up.

Well spudded 12:01 a.m. December 2, 1958.

0' - 238' - 238' Drilled 15" hole.

Conductor pipe washed out while drilling. Pulled conductor before running surface pipe.

Cemented 10 3/4" surface casing at 229' with 195 sack common cement mixed with 2% calcium chloride. Good circulation and good cement returns after displacing 15 1/2 of a total of 19 bbls. Cement in place 11:55 a.m.

Casing detail:

All 5 jts. 10 3/4", 40.5#, J-55, 8rd, ST&C	215'	Incl. shoe
Landed	14'	below K.B.
	<u>229'</u>	Depth of shoe

Jt. lengths: Bottom - top: 43.28, 41.77, 41.80, 43.51, 42.87, Shoe 1.50 (Baker Guide).

-----  
 238' - 5519' - 5281' Drilled 9" hole

December 20, 1958

Core #1 5519 - 5541', Rec. 22' (8 7/8" hole)

5519 - 5525 - Drk brn sh;  
 5525 - 5529 - Very fn grn tight gry ss, with laminae of sh, no flores  
 5529 - 5530 - Dkr brn sh  
 5530 - 5537 - Fn grn gry ss, with some vert frac, lam sh & fn grn ti gry ss;  
 5537 - 5541 - Drk brn sh

-----  
 Core #2 - 5541 - 5615", Rec. 74' (8 7/8" hole)

5541 - 5544 - Very fn grn gry ss with laminae sh & ss  
 5544 - 5548 - Gry sltst w/few laminae sh  
 5548 - 5553 - Md grn evenly stn drk brn ss, good even bri yel flor, very fn grn lightly stn ss, pale yel flor; md grn evenly stn drk brn ss, good even bri yel flor  
 5553 - 5554 - Gry grn sltst  
 5554 - 5562 - Md grn drk brn ss with spotty inclusions gry ss, bri yel flor  
 5562 - 5566 - Fn grn drk brn ss laminated w/strks of sltst, good bri yel flor  
 5566 - 5569 - Gry sltst  
 5569 - 5570 - Drk brn sh  
 5570 - 5573 - Gry sltst  
 5573 - 5579 - Drk brn sh  
 5579 - 5588 - Gry sltst with laminae sh  
 5588 - 5593 - Md grn lt brn evenly stn ss, bri yel even flor  
 5593 - 5603 - Very fn grn greenish gry ss with a few inclusions of oil stn ss, inclusions flor, rest of ss does not  
 5603 - 5612 - Md grn drk brn evenly stn ss, bri yel flor  
 5612 - 5615 - Drk gry sh laminated with gry sltst

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WELL NO: 23-15A (#89)

PROPERTY: Section 15A

RED WASH FIELD

December 22, 1958

Ran Logs as follows:

Induction - ES	5594 - 5536'
Microlog-Caliper	5599 - 2900
Sonic	5594 - 150'

E. Log Markers: TGR - 2370', "H" - 4927', "I" - 5129', "J" - 5427', "K" - 5588'.

DST #1 - 2 hr. HFT of interval 5548 - 5568'. Ran Howco tester on 4 1/2" D.P. with 345 6 1/2" d.c.'s. Set packers 5543', 5548, and 5568'. Took 30 min init CIP, valve open 2 hrs; med blow. No gas to surface. Rec 418' rise, top gassy oily mud 3.25 ohm meters, grading to muddy water 0.85 ohm-meters. (Top 70' was quite heavily oil cut - probably equivalent to 20' - 30' free oil).

Pressures:	IH	ICIP	IF	FF	FH
Top	2952	2132	62	150	2952
Bottom	2930	2142	82	180	2920

December 23, 1958

DST #2 - 2 hr HFT of interval 5585 - 5615'. Set packers at 5580 and 5585'. Took 30 min init. CIP. Valve open 2 hrs. Med blow with no gas to surface. Rec 766' rise, top very oily gassy mud, grading in 270' to clear water 0.75 ohm-meters.

Pressures:	IH	ICIP	IF	FF	FH
Top	2902	2248	100	370	2890
Bottom	2930	2260	142	410	2930

December 24, 1958

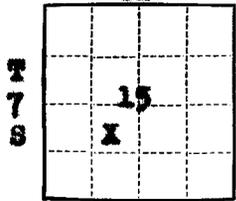
Plugged hole with 75 sax cement thru open end drill pipe hung at 5623' - calculated to fill to 5413'. Laid down drill pipe coming out. Equalized 75 sax cement at 2950'. Laid drill pipe. Equalized 125 sax thru open end d.p. hung at 276'. Had returns to surface. Third stage plug mixed with 3 sax calcium chloride. After standing 6 hrs. located solid cement at 52'.

Rig released 4:00 p.m. 12/24/58.

*R.D.L.*  
R. D. LOCKE

(SUBMIT IN TRIPLICATE)

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO <u>Re-drill, deepen and complete as water flood injection well X</u>	

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

Vernal, Utah July 8, 1960

Well No. (89) 23-15A is located 2004.6 ft. from XIX line and 1946.4 ft. from W line of sec. 15A

NE 1/4 SW 1/4 15 78 22E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Red Wash Unit Wintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ground level above sea level is 5042 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)

PRESENT CONDITIONS:

T.D. 5624'  
Cement Plugs: 52-276', 2835-2950' and 5413-5623'.  
Casing: 10-3/4" cemented 229'.

Please refer to discussion and plat map of pilot water flood project in our Plan of Development, Red Wash Unit, dated January 21, 1960.

PROPOSAL:

1. Move in rotary equipment and install BQPE.
2. Drill and core cement plugs to 5624'.
3. Core ahead to 5685'.
4. Cement 7" casing on bottom with sufficient cement to reach 4000'.
5. Selectively perforate and pilot water flood J<sub>2</sub> - K<sub>2</sub> interval. (5550-5675').

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 G. V. CHATTERTON

Title District Superintendent

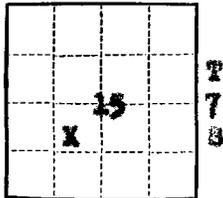
USSS-3; OAGCC-1; Galf-1;  
Caulkins-1; JET-04-1; File-1.

(SUBMIT IN TRIPLICATE)

Land Office SALT LAKE CITY

Lease No. U-0599

Unit Red Wash



R 22 E

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
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NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	X
NOTICE OF INTENTION TO ABANDON WELL.....		

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

Vernal, Utah October 27, 1960

Well No. 23-15A is located 2004.6 ft. from S line and 1946.4 ft. from W line of sec. 15A

NE 1/4 SW 1/4 15 7S 22E S12M  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Red Wash Unit Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~casings~~ <sup>ground</sup> above sea level is 5042 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)

**PRESENT CONDITIONS:** T.D. 5695' Effective Depth: 5689'  
Casing: 10-3/4" cmtd 289'  
7" cmtd 5694' Perforated with 2 jet holes/ft  
5550-5568', 5590-5596' and 5601-5613'. 1 jet  
hole/ft 5623-5669'

- Moved in, rigged up, installed BOPX and cleaned out to 5684'.
- Drilled ahead to 5695', ran logs and cemented 7" casing at 5694' with 375 sacks cement.
- Installed Christmas tree and released drilling rig.
- Moved in completion rig and drilled out cement from 5651 to 5689'.
- Ran Gamma ray-collar log. Perforated 7" casing with two - 1/2" jet holes/ft 5550-5568', 5590-5596', 5601-5613' and with one 1/2" jet hole/ft 5623-5669'.

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

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

Address P. O. Box 455

Vernal, Utah

By C. V. CHRISTOPHER 10/27/60  
Title District Superintendent

6. Spotted 1000 gallons mud acid on bottom and displaced to formation.
7. Conducted injectivity tests at rates from 720 B/D to 2880 B/D under 650 to 800 psi surface pressures.
8. Released completion rig.
9. Awaiting surface installation completion to start pilot flood.

any

"In lieu of Form 9-330" *K.H.*

RE-COMPLETION

REPORT

STANDARD OIL COMPANY OF CALIFORNIA

*O+GCC*

FIELD: Red Wash

PROPERTY: Section 15A

WELL NO: 23-15A (89)

Sec. 15 T. 7S R. 22E S.L.B. & M.

Following is complete and correct record of all work done on the well since the previous record dated March 12, 1959

PURPOSE OF WORK: Re-enter, deepen and complete as a water flood injection well.

DATE OF REPORT: March 8, 1961

*C.V.C.*  
BY C. V. Chatterton  
Supt., Producing Department

WORK DONE BY: Pioneer Drilling Company

COMMENCED OPERATIONS: July 14, 1960

COMPLETED OPERATIONS: September 15, 1960

DATE WELL LAST PRODUCED: Well abandoned 12-24-58

DATE RETURNED TO PRODUCTION:

PRODUCTION:

PRIOR TO WORK

AFTER WORK

Oil . . . . .	_____	B/D . . . . .	_____	B/D
Water . . . . .	_____	B/D . . . . .	_____	B/D
Gas . . . . .	_____	Mcf/D . . . . .	_____	Mcf/D
Gravity . . . . .	_____	°API . . . . .	_____	°API
Tubing . . . . .	_____	PSIG . . . . .	_____	PSIG
Casing . . . . .	_____	PSIG . . . . .	_____	PSIG
Method of Production: Pumping . . . . .	_____		_____	
Flowing . . . . .	_____		_____	
Gas Lift . . . . .	_____		_____	

S U M M A R Y

T.D. 5695'

EFFECTIVE DEPTH: 5689'

CASING: 10-3/4" cmtd @ 229'  
7" cmtd @ 5694'

Perforated with 2 jets holes/ft. 5550-5568', 5590-5596' and 5601-5613'.  
1 jet hole/ft 5623-5669'

TUBING: See tubing detail page 4 this report.

WELL NO: 23-15A (89)

PROPERTY: Section 15A

RED WASH FIELD

HISTORY

Subject well 23-15A (89) was drilled to 5624' in Denver, 1958 and abandoned December 24-1958.

We propose to recomplete abandoned well 23-15A in the Jg thru Kp sands as a water injection well.

Pioneer Drilling Company rigged up and commenced operations 12:01 noon July 26, 1960. Drilled 3' cement out at surface. Circulated down to 48'. Drilled out cement 48' to 228'.

Tested blank rams to 1300 psi. Held o.k.

July 17, 1960

Cored cement plug 228-230'. Pulled core #1. Rec. 2' cement.

Core #2 - 230-245'. Rec. 8' cement. 7' no recovery.

Core #3 - 245-262'. Rec 4-1/2". 2' tight sand, 2-1/2' gray sand. 12-1/2' no recovery.

July 18, 1960

Ran 9" Hughes 2 cone LWI. 9-7/8" stabilizer on top of third collar. Fanned from 229' to 288'. Considerable cement cuttings. Drlg break at 288 10 min ft to 1 min/ft. Had high volume of cavings. Drilled to 308 where cuttings all white sand and drlg rate 10 min/ft. Pulled out, mixed mud, removed stabilizer. Took single shots 225' - 1/2", 250' - 3/4", 286' - 1-1/4". Fanned 308-314'. Hit drilling break at 314'. Fell into old hole at 322', cleaned out 9" hole to 418'.

July 19, 1960 to July 21, 1960

Cleaned out 9" hole 418' to 2834'.

Found top of fill at 2830' and circulated down to 2834' top of cement.

Drilled cement plug from 2834' to 2891' using 1000-3000# out on bit and 175 RPM.

July 22, 1960

Hit stringers of salt cement 2936', appeared to run out of cement completely at 2950', back into firm cement at 2962'. Broke thru at 2976'.

Cleaned out in stages to 3376' and lost returns. Mixed LCM and regained circulation.

Circulated out an estimated 3-4 bbls HPP crude while cleaning out 2950-3376'. Cleaned out to 3526'.

July 23, 1960

Cleaned out hole 3526-5417' in stages. Circulated and conditioned mud.

Found top of cement at 5417'. Drilled soft cement and stringers to 5447'. Drilled firm to hard cement 5447-5513'.

July 24, 1960

Stuck DP at 598' while making trip to change bit. Attempted to work loose with no success. Rigged up McCullough and ran Magnector and string shot, found pipe free to 308'. Top of drill collars over at 312'. Fired string shot at 221' and backed off drill pipe at 221' leaving 377' DC and DP fish in hole from 598 to 221'.

Ran 201' 7-5/8" OD 26# Xline wash pipe and circulated down to 306' where wash pipe took weight.

July 25, 1960

Pulled W.P. out of hole and equipped same with HOMCO wash pipe spear. Washed over fish from 308' to 316' and fish came loose.

Pulled and recovered all of DP and DC fish.

Cleaned out 5543-5581'.

WELL NO: 23-15A (89)

PROPERTY: Section 15A

RED WASH FIELD

July 26, 1960

Cleaned out 5581' to 5678'.

July 27, 1960

Drilled 9" hole 5678' to 5695'.

Ran Schlumberger Induction ES and Microlog and recorded 5690-5593' and 5694-4500', respectively. KA point 5615', KB point 5670'.

Pumped 50 gal Hydrazine while circulating prior to running casing.

July 28, 1960

Cemented 7" casing at 5694' with 275 sx Ideal cement followed by 100 sx Latex cement. Preceded cement with 10 bbls water. Mixed cement to 14.5 - 15#/gal slurry and Latex cement to 13.9-14.1#/gal. Started mixing at 11:40 p.m., 30 min mixing and 22 min displacing with rig pumps. Plug bumped 2000 psi. Bled back and collar held o.k. Cement in place 12:43 p.m. Landed casing in as cemented position with 110,000# on hook.

Casing detail:

Bottom	7 jts	282.12'*	7" 23# N-80 LT&C new smls Pittsburg csg
Top	139 jts	5,420.44'	7" 23# J-55 ST&C new smls CF&I csg
Total		<u>5,702.56'</u>	
		- 8.56'	up
Landed at		<u>5,694.00'</u>	

\*Includes Baker guide shoe and flexiflow fillup collar.

Fitted with B&amp;W centralizers 3' above pin of jts #1 thru #6, 8, 11 and 13. Also B&amp;W scratchers on 6' centers of entire jt #2 thru #5. Jt #1 5 scratchers on top.

Rig released 10:00 p.m. 7-28-60.

September 11, 1960

California Production Service moved on location and rigged up.

September 12, 1960

Picked up 2-1/2" tubing, circulating hole clean with salt water.

September 13, 1960

Located top float collar at 5651', tubing depth.

Displaced mud from hole with salt water. Drilled out float collar and cement from 5651' to 5684'.

Displaced dirty water with clean salt water.

Ran McCullough Gamma-collar log from 5684' to 2000'. McCullough pickup at 5684'.

5600' McCullough equal 5605' Schlumberger.

Perforated intervals 5669-5623' with 1 hole (jet) per foot. Perforated intervals 5613-5601', 5596-5590', and 5568-5550' with two jet holes per foot. Checked collars each run.

September 14, 1960

Ran Baker casing scraper through all perforations.

Spotted 1000 gals Dowell mud acid on bottom. Pulled out of hole. Dowell displaced acid into formation with 26 bbls hot water.

Ran tubing in hole. Injected hot water down 7" x 2-1/2" annulus.

Rate	Pressures
Start Acid	1300-600 psi breakdown
Pump Acid	600-700-500 psi 2nd breakdown
Pump acid	500-700 psi
Ist. Shut in	600 psi
Bleed to	50 psi in 15 mins
0.5 BPM hot water	700 psi

WELL NO: 23-15A (89)

PROPERTY: Section 15A

RED WASH FIELD

September 14, 1960 (cont.)

Rate	Pressures
1.0 BPM hot water	700-750 psi
1.5 BPM hot water	750-800 psi
2.0 BPM hot water	650-700 psi

Pickup tubing and land at 5487' in tubing head. Flange up Xmas tree, shut well in.

Tubing detail:

172 jts 2-1/2" EUE tubing	5474.48
Notched collar	.50
K.B.	12.00
Total	<u>5486.98</u>

September 15, 1960

CPS rigged down and moved off.

R. H. SELF

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**U-0559**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

**Red Wash**

8. FARM OR LEASE NAME

9. WELL NO.

**Unit #89 (23-15A)**

10. FIELD AND POOL, OR WILDCAT

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

**Sec. 15, T7S, R22E**

12. COUNTY OR PARISH 13. STATE

**Uintah**

**Utah**

1. OIL WELL  GAS WELL  OTHER  **Water Injection**

2. NAME OF OPERATOR

**Chevron Oil Company, Western Division**

3. ADDRESS OF OPERATOR

**P. O. Box 455, Vernal, Utah 84078**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\* See also space 17 below.)

At surface

**1946' FWL and 2005' FSL of Sec. 15, T7S, R22E, S1E1M**

14. PERMIT NO.

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

**KB - 5054'**

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) **Suspend Injection**

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

**X**

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(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.)\*

**It is proposed to suspend injection into subject well as follows:**

- 1. RHH w/ tubing and Model "D" latching plug and set at 5618.**
- 2. Run and set two CIBP's at 5547 and 5300' on wireline.**
- 3. Shut well in.**

**Present Injection: 587 BWPD and 620 psi - June, 1968**

APPROVED BY DIVISION OF  
OIL AND GAS CONSERVATION

DATE **August 21, 1968**

BY **R. W. Patterson**  
Chief Petroleum Engineer

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

SIGNED

**R. W. PATTERSON**

TITLE

**Unit Superintendent**

DATE

**8/7/68**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPL. DATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

**U-0559**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

**Red Wash**

8. FARM OR LEASE NAME

9. WELL NO.

**Unit #89 (23-15A)**

10. FIELD AND POOL, OR WILDCAT

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

**Sec. 15, T7S, R22E**

12. COUNTY OR PARISH 13. STATE

**Uintah**

**Utah**

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL  GAS WELL  OTHER **Water Injection Well**

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

3. ADDRESS OF OPERATOR  
**P. O. Box 455, Vernal, Utah 84078**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

**1946' FWL and 2005' FSL of Sec. 15, T7S, R22E, SLBM**

14. PERMIT NO.

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

**KB - 5054**

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

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) **Suspend Injection**

(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.)\*

**The following work was completed on subject well as of 10-8-68:**

- 1. RIH w/ tubing and Model "D" latching plug and set same in Model "F" packer at 5618'.**
- 2. Ran and set two Baker CIMP's at 5547 and 5300' on wireline.**
- 3. Shut well in.**

**Prior Injection: 483 BWPD at 630 psi - September, 1968.**

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

SIGNED

**R. W. PATTERSON**

TITLE

**Unit Superintendent**

DATE

**11/27/68**

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

Procedure:

1. MIR and RU. Kill well if necessary.
2. ND wellhead. NU Chevron Class II-B BOPE and pressure test.
3. PU 6-1/8" mill and RIH to CIBP @ 5300'. Pressure test 7" csg to 500 psi. If csg doesn't test, contact supervisor for remedial procedure. If csg tests good, DO CIBP @ 5300'. Continue RIH to CIBP @ 5547'. DO same. Push remaining jnk to Mod. 'F' pkr w/ latching plug @ 5618'. POOH w/ mill.
4. RIH w/ 6-1/8" bit and 7" csg scraper to Mod. 'F' @ 5618'. Est. inj. rate into perfs @ 5550-5669'. If perfs are sufficiently open, POOH w/ bit and scraper and go on to step #5. If perfs are not open, POOH w/ bit and scraper. RIH w/ pkr and break down perfs @ 5550-5669'. POOH w/ pkr. (Note: Blank @ 5613-5623' communicated on 5/24/62.)
5. On electric wireline: A. Make gauge ring/jnk bskt run to 5450'.  
B. Set CICR @ 5400'.
6. RIH w/ stinger. Sting into CICR @ 5400' and est. inj. rate into perfs @ 5550-5669'. Squeeze perfs per supervisor's instructions. Sting out. Leave 10' cmt on top of CICR. POOH w/ stinger.
7. Perforate the following interval w/ 4" csg gun @ 4 SPF. Depths picked from Schlumberger IES dated 12/20/58.  
2870-72'      2 ft.      8 shots
8. Pump down csg into perfs @ 2870-72'. (Max press. 500 psi.) Leave annulus valve open between 10-3/4" and 7" csg and check for circulation. If perfs @ 2870-72' are not open, RIH w/ pkr and break down perfs. (According to Schlum. Bond Log dated 5/21/62, cmt top @ ±3300'.)
9. On electric wireline: A. RIH w/ gauge ring/jnk bskt to 2850'.  
B. Set CICR @ 2800'.
10. RIH w/ stinger. Sting into CICR @ 2800' and est. inj. rate into perfs @ 2870-72'. Squeeze perfs per supervisor's instructions. Sting out. Leave 10' cmt on top of CICR.
11. Test annulus between 10-3/4" and 7" csg to 500 psi. If annulus doesn't test, contact supervisor for possible top cmt job instructions.
12. POOH laying down tbg. Set a balanced cmt plug @ 150' to 300'. (±30sx cmt)
13. Finish POOH laying down tbg. Set a top plug w/ 10 sxs cmt. Cut off csg head and place a 4" diameter P & A marker w/ an orange-peeled top, that is not less than 10' in length, of which 4' shall be above ground w/ the remainder securely embedded in cmt. The following information should be shown on the marker:

Chevron U.S.A. Inc.  
Red Wash Unit #89 (23-15A)  
Sec. 15, Twp 7S, Range 22E, NE¼ SW¼  
Uintah County, Utah  
P & A Date:                      TD:5695

PLUG AND ABANDON PROCEDURE  
RWU #89 (23-15A)  
RED WASH/WEST AREA

Well Data:

Location: NE $\frac{1}{2}$ SW $\frac{1}{2}$ , S15, T7S, R22E, SLBM, Uintah County, Utah  
Casing: 10-3/4", 40.5#, J-55 @ 229'  
          7", 23#, J-55 @ 5694'  
TD: 5695'  
PBTD: 5684'  
Tubing: None in hole  
Packers: Model 'F' @ 5618' w/ Model 'D' latching plug in place  
Plugs: CIBPs @ 5300' and @ 5547'  
Perfs: Open - None  
      Excluded - Notches @ 5530', by cmt & CIBP @ 5300'  
                  2 JPF @ 5550-68', by cmt & CIBPs @ 5300', 5547'  
                  Notches @ 5561', by CIBPs @ 5300', 5547'  
                  Notches @ 5564', by CIBPs @ 5300', 5547'  
                  Notches @ 5567', by CIBPs @ 5300', 5547'  
                  2 JPF @ 5590-96' by CIBPs @ 5300', 5547'  
                  2 JPF @ 5601-13', by CIBPs @ 5300', 5547'  
                  1 JPF @ 5623-69', by CIBPs @ 5300', 5547'

Well History:

1. Initial completion as Water Injection Well (9/15/60)  
Perfs: 5550-68, 5590-96, 5601-13, 5623-69
2. Set Model 'D' pkr w/ plug @ 5618' (4/10/61)  
Excluded perfs: 5623-69'  
Injection Before: 1565 BHPD (3/61)  
Injection After: 1716 BHPD (5/61)
3. Acidize Well (5/30/61)  
Injection Before: 1526 BHPD (4/61)  
Injection After: 1603 BHPD (6/61)
4. Perform cmt squeeze to patch hole in csg @ 5528' and to recement blank @ 5528-50' (7/1/61)  
Injection Before: 1603 BHPD (6/61)  
Injection After: 1536 BHPD (8/61)
5. Patch csg split by cmt squeeze (1/ 5/62)  
Perfs: Hydrajet notches (4 holes each): 5561', 5564', 5567'  
Excluded Perfs: 2 JPF @ 5550-68', by cmt, notches @ 5530', by cmt  
Injection Before: 1410 BHPD (11/61)  
Injection After: 1278 BHPD (2/62)
6. Temporary discontinuance of water injection (10/9/68)  
Set Mod. 'D' plug in Mod. 'F' pkr @ 5618'.  
Set CIBPs @ 5300' and @ 5547'.  
Injection Before: 575 BHPD (final Tour Report: 10/9/68)  
Injection After: Shut-in.

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 well proposals)

1. oil well  gas well  other Water Injection Well

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: 1946' FWL & 2005' FSL NESW  
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.  
89 (23-15A)

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
S. 15, T7S, R22E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
KB-5054'

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

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

CHANGE ZONES

ABANDON\*

(other) \_\_\_\_\_

SUBSEQUENT REPORT OF:

**RECEIVED**

(NOTE: Report results of multiple completion or zone change on Form 9-330.)  
MAY 14 1984

DIVISION OF OIL  
GAS & MINING

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 plug and abandon this well.

- 3 - Well
- 2 - State
- 3 - Partners
- 1 - Field Foremen
- 1 - S. 723

No additional surface disturbances required for this activity.

**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**  
DATE: \_\_\_\_\_  
BY: \_\_\_\_\_

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

18. I hereby certify that the foregoing is true and correct  
SIGNED Arlene F. Bush TITLE Engineering Asst. DATE May 11, 1984

(This space for Federal or State office use)

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

Form No: DOGM-UIC-6  
640 Acres  
N

**PLUGGING RECORD**  
Division of Oil, Gas, and Mining  
Room 4241 State Office Building  
Salt Lake City, Utah 84114

**RECEIVED**

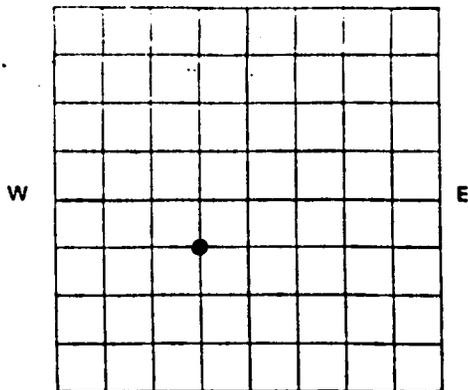
**JUL 20 1984**

**DIVISION OF OIL  
GAS & MINING**

(801) 533-5771

RULE I-7 (g)

Notice: All questions on this form must be satisfactorily answered and mailed to the Division of Oil, Gas and Mining in duplicate and within 15 days after plugging is completed.



Locate Well Correctly  
and Outline Lease

Company Operating Chevron U.S.A. Inc.  
Office Address P.O. Box 599, Denver, CO ZIP 80201  
County Uintah Sec. 15 Twp. 7S Range 22E  
Location in Section NE 1/4 SW 1/4 API No. 43-047-05521  
Farm Name Red Wash Well No. 89(23-15A) Field Red Wash  
Character of Well (whether oil, gas, dry, injection or disposal) Injection

Commenced Plugging 7/5/84 Finished 7/13/84 Total Depth 5695'

Have you filed a DOGM-UIC-2? yes. If not, a DOGM-UIC-2 MUST BE attached.

Was permission obtained from the Division of OGM or its agents before plugging was commenced? yes

Name of Field Inspector N/A Perforations: 5550'-5669' (excluded with bridge plug prior to work)

Signature of UIC Inspector -

Name of Producing formation Green River Depth top ±2700' Bottom ±5600'

**SAND OR ZONE RECORDS**

**CASING RECORDS**

Formation	Content	From	To	Size	Put In	Pulled Out
Green River	sand, shale	±2700'	±5600'	10-3/4"	229'	-
	shaley sands			7"	5694'	-
	limey sands					

Describe in detail the manner in which the well was plugged, indicating where the mud fluid was placed and the methods used in introducing it into the hole.

If cement or other plugs were used, state the character of same and depth placed:

Perfs 5550'-5669' were squeezed w/191 sx Class G cmt w/9 sx (47') left on top of retainer @5402'  
The top of the Green River formation was perforated at 2870'-2872' then squeezed w/146 sx Class G cmt w/4 sx (20') left on top of retainer @2800'. A 300' cmt plug was set at surface. Also a top job was performed on the 10-3/4" x 7" annular (60 sx Class G cmt).

Does the above conform strictly to the oil and gas regulations? Yes

REMARKS: Why plugged? ineffective injector If abandoned oil or gas well, state amount and date of last production N/A

Plugging Contractor's Name and Address Dowell, Box 920, Vernal, Utah 84078

Correspondence regarding this well should be addressed to Chevron U.S.A. Inc., Attn: T.B. Tirlia

Address P.O. Box 599, Denver, CO 80201

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

*R. Elliott* 7/18/84

Name and title of representative of company

Subscribed and sworn to before me this the 18 day of July 19 85

Commission expires July 5, 1987  
*Laird J. Thompson*  
Notary Public

*Well Record not in UIC*

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 ~~well proposals~~)

1. oil well  gas well  other  **Plugged and abandoned**  
Water Injection

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

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

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1946' FWL and 2005' FSL      NESW  
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.  
89 (23-15A)

10. FIELD OR WILDCAT NAME  
RED WASH

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
SEC. 15, T7S, R22E

12. COUNTY OR PARISH  
UTINTAH

13. STATE  
UTAH

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
KB 5054'

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

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

**RECEIVED**

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

**AUG 6 1984**

**DIVISION OF OIL  
GAS & MINING**

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 plugged and abandoned on July 9, 1984, as follows:

1. MIR and RU. NU BOPE. RIH w/junk mill to 5,300', tagged CIBP, milled up CIBP or pushed to packer at 5618'. RIH w/bit and casing scraper to 5618'.
2. RIH and set CICR at 5402.
3. Cmt squeezed perms 5561, 64, 67, 5590-96, 5601-13 and 5623-69 with 200 sxs c1 G leaving 47' of cmt above CICR and 191 sxs below CICR.
4. Perforated interval 2870-2872 w/4 shots/ft.
5. RIH and set CICR at 2800'.
6. Pumped 150 sxs c1 G leaving 20' cmt on top of CICR.
7. Pumped 75 sxs cmt down tubing and back to surface.
8. Rig down. Cut off casing head.

- 3 - BLM
- 2 - STATE
- 3 - Partners
- 1 - LJT
- 1 - Sec.724C
- 1 - FILE
- 1 - LRH

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

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

SIGNED *J.J. Lamm* TITLE Engineering Assistant DATE August 3, 1984

(This space for Federal or State office use)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

Lease U-0559

Page 2

17. Continued

9. Run 1" in 10 3/4 x 7" annulus to 170' from ground level.  
Pumped 60 sxs cl G.
10. Installed "Dry Hole" marker showing well name, location  
and company name.
11. Location to be rehabilitated.

JJJ:amg

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN 1 (TE)  
(Other instructions re-verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-0559

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

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

7. UNIT AGREEMENT NAME

Red Wash

8. FARM OR LEASE NAME

1. OIL WELL  GAS WELL  OTHER  Plugged and abandoned Water Injection

2. NAME OF OPERATOR

Chevron U.S.A. Inc.

RECEIVED

3. ADDRESS OF OPERATOR

P.O. Box 599, Denver, CO 80201

9. WELL NO.

89 (23-15A)

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface

001 1985

10. FIELD AND POOL, OR WILDCAT

Red Wash

1946' FWL and 2005' FSL NESW

DIVISION OF OIL  
GAS & MINING

11. SEC., T., R., N., OR BLK. AND SUBVY OR AREA

Sec. 15, T7S, R22E

14. PERMIT NO.

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

KB: 5054'

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

ALONGING CASING

SHOOT OR ACIDIZE

ABANDON\*

SHOOTING OR ACIDIZING

ABANDONMENT\*

REPAIR WELL

CHANGE PLANS

(Other) Rehabilitate Location

(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.)

The wellsite and access road have been rehabilitated and reseeded and may be inspected at your convenience.

3-BLM  
2-STATE  
1-RKW  
3-SLI  
1-LLK

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

SIGNED

*R. K. Antipatovich*

TITLE

Permit Coordinator

DATE

October 8, 1985

(This space for Federal or State (see use))

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
Do not use this form for proposals to drill or to deepen or reentry to a different reservoir  
Use "APPLICATION FOR PERMIT--" for such proposals

**SUBMIT IN TRIPLICATE**

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

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

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

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

5. Lease Designation and Serial No.  
N/A

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

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

8. Well Name and No.

9. API Well No.

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

11. County or Parish, State  
UINTAH, UTAH

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

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

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

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

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.



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

# RECEIVED

FEB 07 2000

DIVISION OF  
OIL, GAS AND MINING

IN REPLY REFER TO  
UT-931

February 4, 2000

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

Re: Red Wash Unit  
Uintah County, Utah

Gentlemen:

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

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

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

cc: Chevron U.S.A. Inc.

bcc: Field Manager - Vernal (w/enclosure)

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

UT931:TAThompson:tt:2/4/00

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH		4-KAS	✓
2. CDW	✓	5- <del>STP</del>	✓
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 54 (43-14A)	43-047-15180	5670	14-07S-22E	FEDERAL	OW	PA
RWU 113 (34-15A)	43-047-15231	5670	15-07S-22E	FEDERAL	OW	PA
<b>RWU 89 (23-15A)</b>	<b>43-047-16486</b>	<b>99998</b>	<b>15-07S-22E</b>	<b>FEDERAL</b>	<b>OW</b>	<b>PA</b>
RWU WI 3A (34-16A)	43-047-16481	99996	16-07S-22E	FEDERAL	WI	PA
RWU 100 (43-21A)	43-047-10203	99998	21-07S-22E	FEDERAL	OW	PA
RWU 73 (22-21A)	43-047-15195	5670	21-07S-22E	FEDERAL	OW	PA
RWU 32 (32-22A)	43-047-15159	5670	22-07S-22E	FEDERAL	GW	PA
RWU 258 (34-22A)	43-047-30458	5670	22-07S-22E	FEDERAL	OW	TA
RWU 118 (12-23A)	43-047-15235	99998	23-07S-22E	FEDERAL	OW	PA
RWU 217 (31-29A)	43-047-30105	99998	29-07S-22E	FEDERAL	OW	PA
RWU WI 33A-1	43-047-16484	99998	33-07S-22E	FEDERAL	WI	PA
RWU 151 (42-14B)	43-047-15264	5670	14-07S-23E	FEDERAL	OW	P
RWU 325 (32-16B)	43-047-33083	99999	16-07S-23E	STATE	OW	APD
RWU 329 (32-20B)	43-047-33225	99999	20-07S-23E	FEDERAL	OW	APD
RWU 328 (12-21B)	43-047-33224	99999	21-07S-23E	FEDERAL	OW	APD
RWU 200 (32-33B)	43-047-10207	99998	33-07S-23E	FEDERAL	OW	PA
RWU 249 (14-33C)	43-047-30390	5670	33-07S-24E	FEDERAL	GW	PA
RWU 211 (32-35C)	43-047-10209	99998	35-07S-24E	FEDERAL	OW	PA
RWU 304 (24-2F)	43-047-32106	11341	02-08S-24E	STATE	GW	PA

**OPERATOR CHANGES DOCUMENTATION**

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12-30-1999
- (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 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 Communitization 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: 09/26/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 09/26/2000
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.: \_\_\_\_\_

**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 filed in each well file on: \_\_\_\_\_

**COMMENTS:**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING				FORM 3 AMENDED REPORT <input type="checkbox"/>		
<b>APPLICATION FOR PERMIT TO DRILL</b>				<b>1. WELL NAME and NUMBER</b> RW 23-15A		
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input type="radio"/> REENTER P&A WELL <input checked="" type="radio"/> DEEPEN WELL <input type="radio"/>				<b>3. FIELD OR WILDCAT</b> RED WASH		
<b>4. TYPE OF WELL</b> Gas Well Coalbed Methane Well: NO				<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> RED WASH		
<b>6. NAME OF OPERATOR</b> QEP ENERGY COMPANY				<b>7. OPERATOR PHONE</b> 303 308-3068		
<b>8. ADDRESS OF OPERATOR</b> 11002 East 17500 South, Vernal, Ut, 84078				<b>9. OPERATOR E-MAIL</b> debbie.stanberry@questar.com		
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU0559		<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="radio"/> INDIAN <input type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="radio"/> INDIAN <input type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>		
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>				<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="radio"/> (Submit Commingling Application) NO <input checked="" type="radio"/>		<b>19. SLANT</b> VERTICAL <input checked="" type="radio"/> DIRECTIONAL <input type="radio"/> HORIZONTAL <input type="radio"/>		
<b>20. LOCATION OF WELL</b>	<b>FOOTAGES</b>	<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>
<b>LOCATION AT SURFACE</b>	2005 FSL 1946 FWL	NESW	15	7.0 S	22.0 E	S
<b>Top of Uppermost Producing Zone</b>	2005 FSL 1946 FWL	NESW	15	7.0 S	22.0 E	S
<b>At Total Depth</b>	2005 FSL 1946 FWL	NESW	15	7.0 S	22.0 E	S
<b>21. COUNTY</b> UINTAH		<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1946		<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 2080		
		<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 2000		<b>26. PROPOSED DEPTH</b> MD: 11842 TVD: 11842		
<b>27. ELEVATION - GROUND LEVEL</b> 5042		<b>28. BOND NUMBER</b> ESB000024		<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> A36125/ 49-2153		
<b>ATTACHMENTS</b>						
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>						
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER			<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN			
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)			<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER			
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)			<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP			
<b>NAME</b> Jan Nelson		<b>TITLE</b> Permit Agent		<b>PHONE</b> 435 781-4331		
<b>SIGNATURE</b>		<b>DATE</b> 11/29/2010		<b>EMAIL</b> jan.nelson@questar.com		
<b>API NUMBER ASSIGNED</b> 43047164860000		<b>APPROVAL</b>  Permit Manager				

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Surf	15	10.75	0	425		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 ST&C	425	40.5			

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**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
I1	9	7	0	5694		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade J-55 LT&C	5694	23.0			

**CONFIDENTIAL**

**Proposed Hole, Casing, and Cement**

<b>String</b>	<b>Hole Size</b>	<b>Casing Size</b>	<b>Top (MD)</b>	<b>Bottom (MD)</b>		
Prod	6.125	4.5	0	11842		
<b>Pipe</b>	<b>Grade</b>	<b>Length</b>	<b>Weight</b>			
	Grade N-80 LT&C	11842	13.5			

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**QEP Energy – Uintah Basin**  
**RW 23-15A Drilling Prog**  
**API#: 43-047-16486**  
**Summarized Re-Entry Procedure**

1. Excavate around Dry-Hole Marker, expose P&A well.
2. Slip-on and weld 10-3/4" conductor back to surface.
3. MIRU Pulling unit.
4. Wash over and remove 7" casing to approximately 230'.
5. RIH and screw on new 7" casing back to surface.
6. Install wellhead and pressure test to 3,000 psi.
7. Fill backside of 7" casing with cement back to surface.
8. NU BOP. RIH, drill out P&A plugs to original PBTD.
9. Pressure test previously squeezed perfs. Remediate if necessary.
10. RDMO with pulling unit.
11. MIRU drilling rig.
12. NU and test BOPE.
13. Drill out shoe and down to 11,842' TVD with a 6 1/8" bit.
14. If hole conditions permit, Log.
15. Run and cement 4 1/2" casing.
16. ND BOPE.
17. RDMOL.

ONSHORE OIL & GAS ORDER NO. 1  
QEP ENERGY COMPANY  
RW 23-15A (API#: 43-047-16486)

RE-ENTRY DRILLING PROGRAM

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

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

1. **Formation Tops**

The estimated top of important geologic markers are as follows:

<u>Formation</u>	<u>Depth, TVD &amp; MD</u>
Green River	2,870'
Mahogany	3,692'
Original TD	5,695'
Wasatch	6,573'
Mesaverde	9,504'
Sego	11,742'
TD	11,842'

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

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

<u>Substance</u>	<u>Formation</u>	<u>Depth, TVD &amp; MD</u>
Gas	Wasatch	6,573'
Gas	Mesaverde	9,504'
Gas	Sego	11,742'

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

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

ONSHORE OIL & GAS ORDER NO. 1

QEP ENERGY COMPANY

RW 23-15A (API#: 43-047-16486)

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

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

- A. 7 1/16" or 11" as available 5000 psi double ram with blind rams and pipe rams, annular preventer and drilling spool or BOP with 2 side outlets.
- B. All BOP connection subject to pressure shall be flanged, welded or clamped.
- C. Kill line (2" min), 2 choke line valves (3" min), choke line (3" min), 2 kill line valves (2" min) and a check valve, 2 chokes with one remotely controlled from rig floor and a pressure gauge on choke manifold.
- D. Upper and Lower Kelly cock valves with handles and safety valve and subs to fit all drill string connections.
- E. IBOP or float sub available.
- F. Fill up line must be installed above the uppermost preventer.
- G. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc..., for a 5M system and individual components shall be operable as designed.

**4. Casing Design:**

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.	Expected MW(ppg)
15"	10 3/4"	sfc	425'	40.5#	J-55	STC	Existing	N/A
9"	7"	sfc	5,694'	23#	J-55	LTC	Existing	N/A
6 1/8"	4 1/2"	sfc	11,842'	13.5#	N-80	LTC	New	8.8 – 9.6

ONSHORE OIL & GAS ORDER NO. 1  
 QEP ENERGY COMPANY  
 RW 23-15A (API#: 43-047-16486)

Casing Strengths:				Collapse	Burst	Tensile (min)
10 3/4"	40.5#	J-55	STC	1,580 psi	3,130 psi	420,000 lb.
7"	23#	J-55	LTC	3,270 psi	4,360 psi	313,000 lb.
4 1/2"	13.5#	N-80	LTC	8,540 psi	9,020 psi	270,000 lb.

**Casing Design Factors**

Burst: 1.4  
 Collapse: 1.3  
 Tension: 1.4

Maximum anticipated mud weight: 11 ppg (RW 34-34AD)  
 Anticipated Frac Pressure: 4,500 psi

**5. Cementing Program**

**4-1/2" Production Casing: 3000 – 11,842'**

**Lead Slurry:** 3,000 – 5,694'. 120 sks (300 ft<sup>3</sup>) Halliburton Light Premium, 0.2% WG-17 (Gelling Agent), 0.2% CFR-3 (Dispersant), 0.2% HR-5 (Retarder) Slurry Weight 11.5 lb/gal, 2.57 ft<sup>3</sup>/sk, 0% excess

**Tail Slurry:** 5,694' – 11,842'. 430 sks (727 ft<sup>3</sup>) 50/50 Poz Premium Cement, 3 lb/sk Silicalite (Light Weight Additive), 0.2% Super CBL (Expander), 0.3% HR-5 (Retarder), 0.5% Halad-344 (Fluid Loss Control), 20% SSA-1 (Fluid Loss Control), 0.3% CFR-3 (Dispersant), Slurry Weight 13.5 lb/gal, 1.70 ft<sup>3</sup>/sk, 25% excess over open hole portion

\*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 11 ppg.

ONSHORE OIL & GAS ORDER NO. 1  
QEP ENERGY COMPANY  
RW 23-15A (API#: 43-047-16486)

- F. No minimum quantity of weight material will be required to be kept on location.
- G. Gas detector will be used from intermediate casing depth to TD.

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

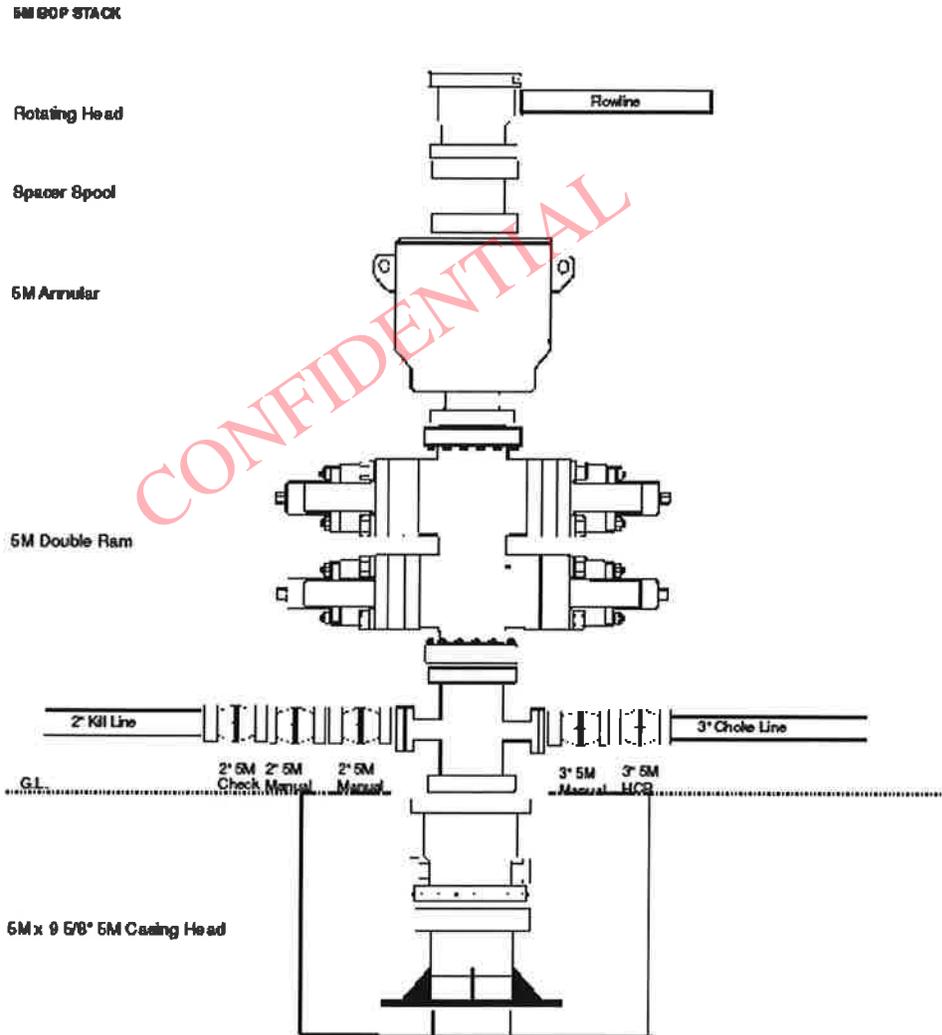
- A. Cores – none.
- B. DST – none anticipated
- C. Logging – Mud logging – Surface Casing to TD  
GR-SP-Induction, Neutron Density.
- D. Formation and Completion Interval:  
– Stimulation will be designed for the particular area of interest as encountered.

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

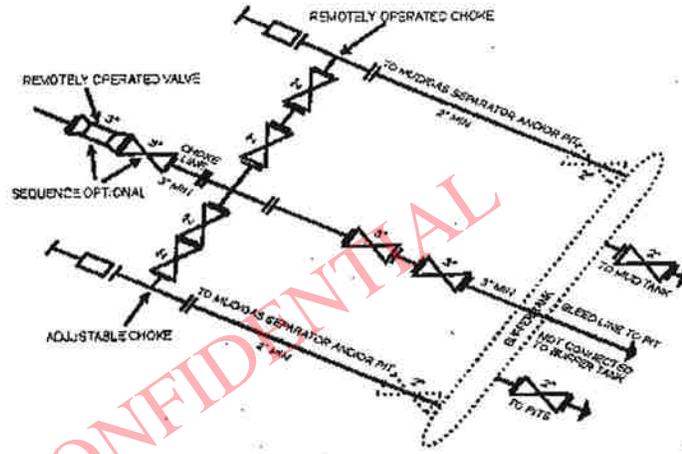
No abnormal temperatures or pressures are anticipated. Maximum anticipated bottom hole pressure equals approximately 6,773 psi. Maximum anticipated bottom hole temperature is 210° F.

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

ONSHORE OIL & GAS ORDER NO. 1  
QEP ENERGY COMPANY  
RW 23-15A (API#: 43-047-16486)



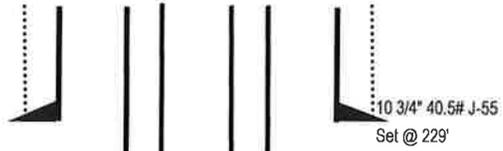
ONSHORE OIL & GAS ORDER NO. 1  
QEP ENERGY COMPANY  
RW 23-15A (API#: 43-047-16486)



5M CHOKER 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 accumulating 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 20L, 3M, 10M, C/R 15M drawings, it would also be applicable to these situations.  
[54 PR 39228, Sept. 27, 1989]

RW 23-15A  
API# 43-047-16486  
NESW Sec 15T7S R22E  
Uintah County, Utah  
KB  
GL 5,042'  
Currently P&A'd



Perfs: (All Squeezed)

5,528' - 5,613'

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4 1/2" 13.5# N-80  
11,842' TD

7" 23# J-55 at 5,694'  
Original TD at 5,695'  
6 1/8" OH

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

**QEP ENERGY COMPANY**

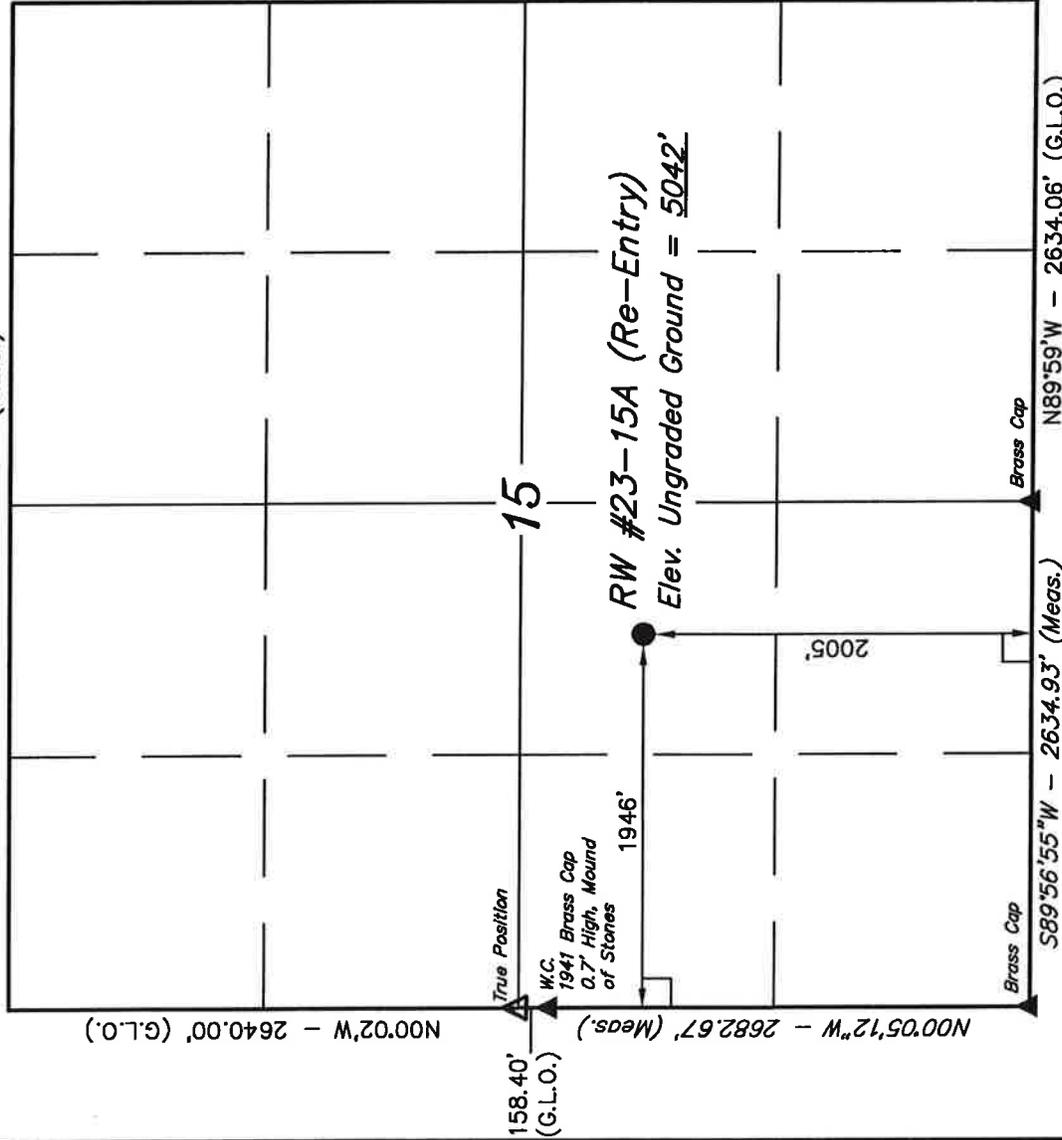
Well location, RW #23-15A (Re-Entry), located as shown in the NE 1/4 SW 1/4 of Section 15, T7S, R22E, S.L.B.&M., Uintah County, Utah.

**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.



N00°02'W - 5280.00' (G.L.O.)

N89°59'W - 5268.12' (G.L.O.)

15

**RW #23-15A (Re-Entry)**

Elev. Ungraded Ground = 5042

True Position

W.C.  
1941 Brass Cap  
0.7' High, Mound  
of Stones

1946'

2005'

Brass Cap

N89°59'W - 2634.06' (G.L.O.)

S89°56'55\"W - 2634.93' (Meas.)

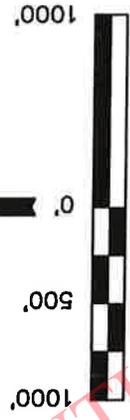
N00°05'12\"W - 2682.67' (Meas.)

**LEGEND:**

- ┌ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

(NAD 83)  
LATITUDE = 40°12'35.00" (40.209722)  
LONGITUDE = 109°25'42.88" (109.428578)  
(NAD 27)  
LATITUDE = 40°12'35.13" (40.209758)  
LONGITUDE = 109°25'40.41" (109.427892)

CONFIDENTIAL



S C A L E

**CERTIFICATE**

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

*[Signature]*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161378  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**

85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-26-10	DATE DRAWN: 09-10-10
PARTY D.R. A.W. C.C.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE	QEP ENERGY COMPANY

**QEP ENERGY COMPANY**  
**RW #23-15A (RE-ENTRY)**  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 15, T7S, R22E, S.L.B.&M.

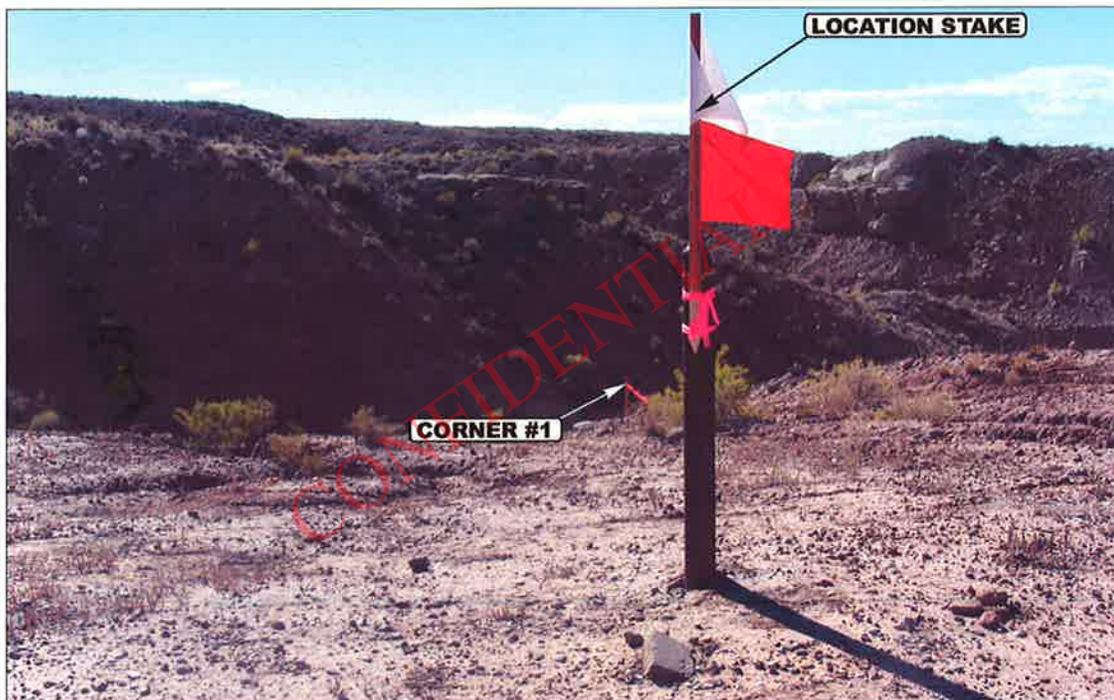


PHOTO: VIEW FROM LOCATION STAKE TO CORNER #1

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHERLY



- Since 1964 -

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

<b>LOCATION PHOTOS</b>	<b>09</b> MONTH	<b>08</b> DAY	<b>10</b> YEAR	<b>PHOTO</b>
TAKEN BY: D.R.	DRAWN BY: J.J.		REVISED: 00-00-00	

**QEP ENERGY COMPANY  
RW #23-15A (RE-ENTRY)  
SECTION 15, 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 5.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY, THEN NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND THE EXISTING ACCESS TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 100' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 31.3 MILES.

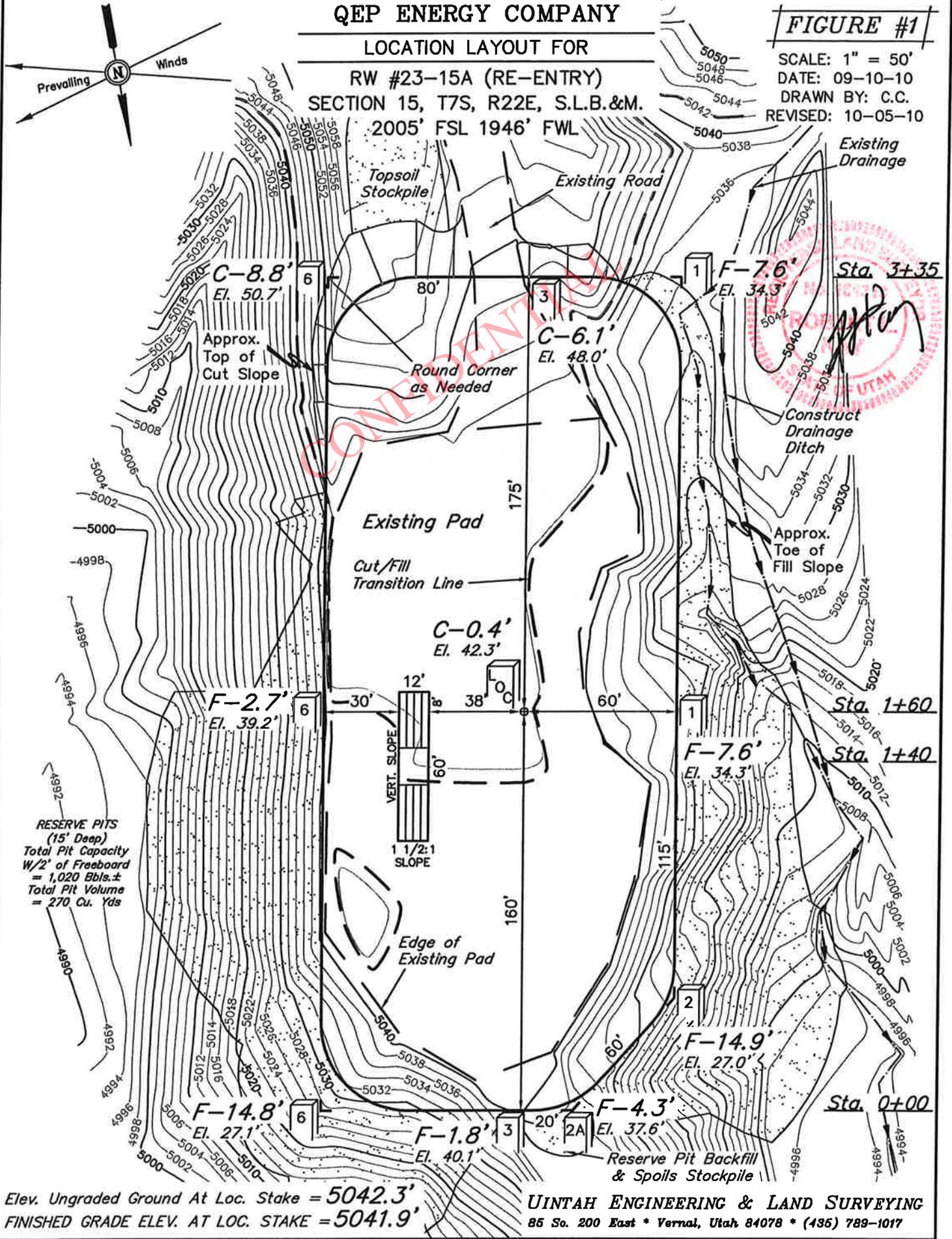
# QEP ENERGY COMPANY

## LOCATION LAYOUT FOR

RW #23-15A (RE-ENTRY)  
SECTION 15, T7S, R22E, S.L.B.&M.  
2005' FSL 1946' FWL

**FIGURE #1**

SCALE: 1" = 50'  
DATE: 09-10-10  
DRAWN BY: C.C.  
REVISED: 10-05-10



**RESERVE PITS**  
(15' Deep)  
Total Pit Capacity  
W/2' of Freeboard  
= 1,020 Bbls.±  
Total Pit Volume  
= 270 Cu. Yds

Elev. Ungraded Ground At Loc. Stake = 5042.3'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5041.9'

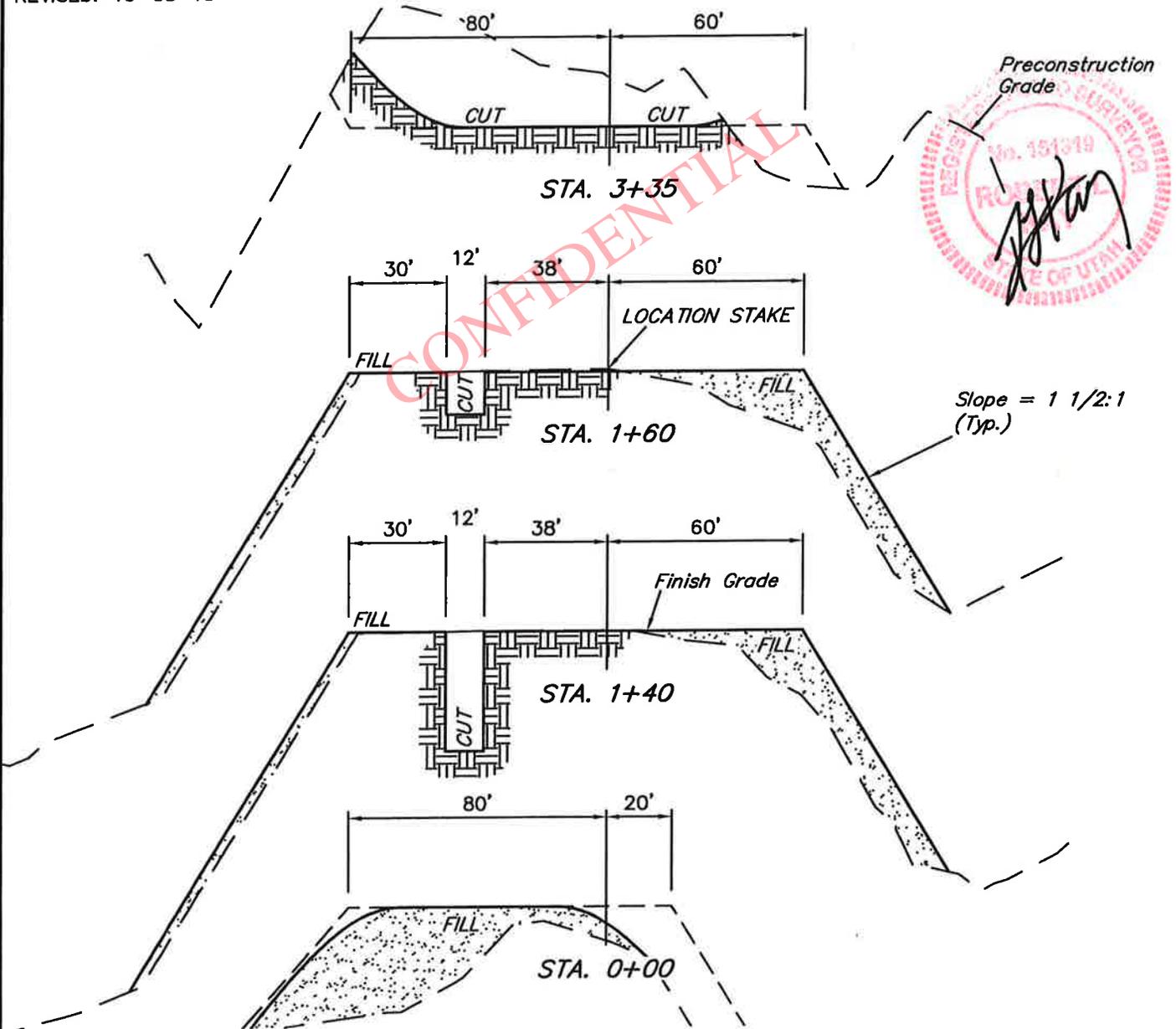
**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**QEP ENERGY COMPANY**

**FIGURE #2**

**TYPICAL CROSS SECTION FOR  
RW #23-15A (RE-ENTRY)  
SECTION 15, T7S, R22E, S.L.B.&M.  
2005' FSL 1946' FWL**

X-Section Scale  
1" = 50'  
DATE: 09-10-10  
DRAWN BY: C.C.  
REVISED: 10-05-10



**NOTE:**

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

**APPROXIMATE ACREAGES**

EXISTING WELL SITE DISTURBANCE = ± 0.625 ACRES  
NEW WELL SITE DISTURBANCE = ± 1.170 ACRES  
ACCESS ROAD DISTURBANCE = ± 5.469 ACRES  
TOTAL = ± 7.264 ACRES

**\* NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

(6") Topsoil Stripping = 910 Cu. Yds.  
(New Construction Only)  
Remaining Location = 2,130 Cu. Yds.  
**TOTAL CUT = 3,040 CU.YDS.**  
**FILL = 9,430 CU.YDS.**

DEFICIT MATERIAL = <6,390> Cu. Yds.  
Topsoil & Pit Backfill = 1,050 Cu. Yds.  
(1/2 Pit Vol.)  
DEFICIT UNBALANCE = <7,440> Cu. Yds.  
(After Interim Rehabilitation)

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

# QEP ENERGY COMPANY

TYPICAL RIG LAYOUT FOR  
RW #23-15A (RE-ENTRY)  
SECTION 15, T7S, R22E, S.L.B.&M.  
2005' FSL 1946' FWL

FIGURE #3

SCALE: 1" = 50'  
DATE: 09-10-10  
DRAWN BY: C.C.  
REVISED: 10-05-10



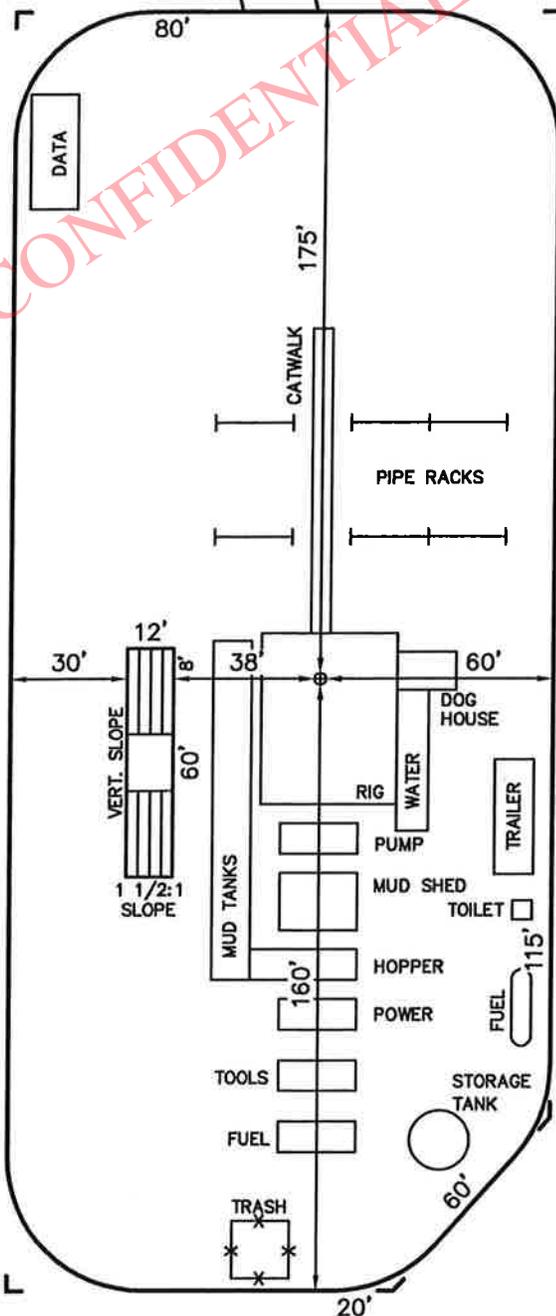
Existing Road



**NOTE:**

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

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**RESERVE PITS**  
(15' Deep)  
Total Pit Capacity  
W/2' of Freeboard  
= 1,020 Bbls.±  
Total Pit Volume  
= 270 Cu. Yds

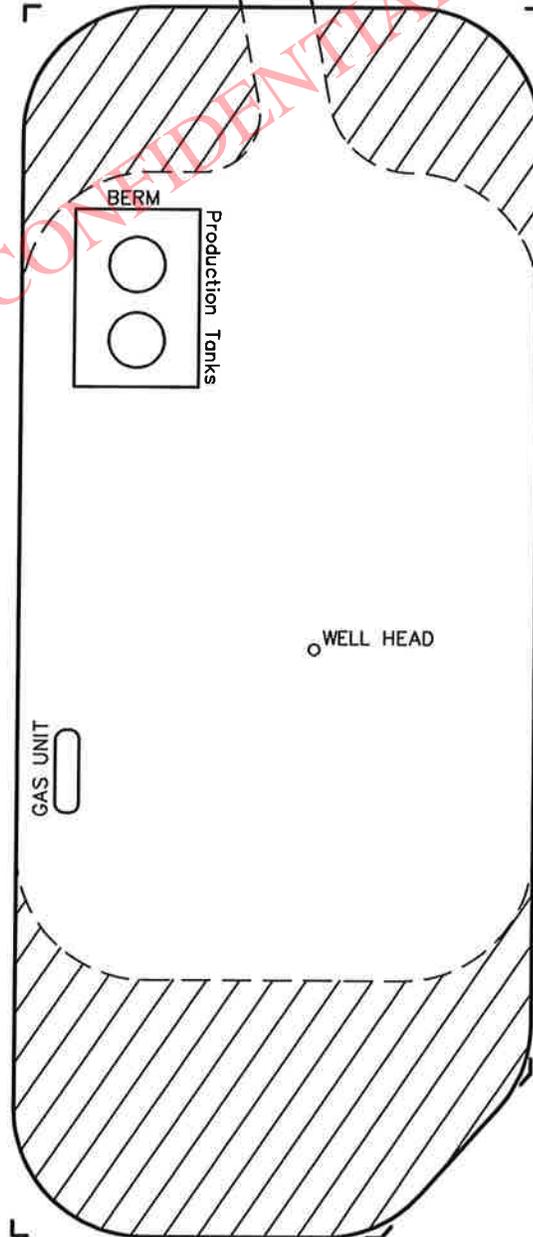
**QEP ENERGY COMPANY**  
**PRODUCTION FACILITY LAYOUT FOR**  
**RW #23-15A (RE-ENTRY)**  
**SECTION 15, T7S, R22E, S.L.B.&M.**  
**2005' FSL 1946' FWL**

**FIGURE #4**

SCALE: 1" = 50'  
DATE: 09-10-10  
DRAWN BY: C.C.  
REVISED: 09-15-10  
REV: 10-27-10 Z.L.

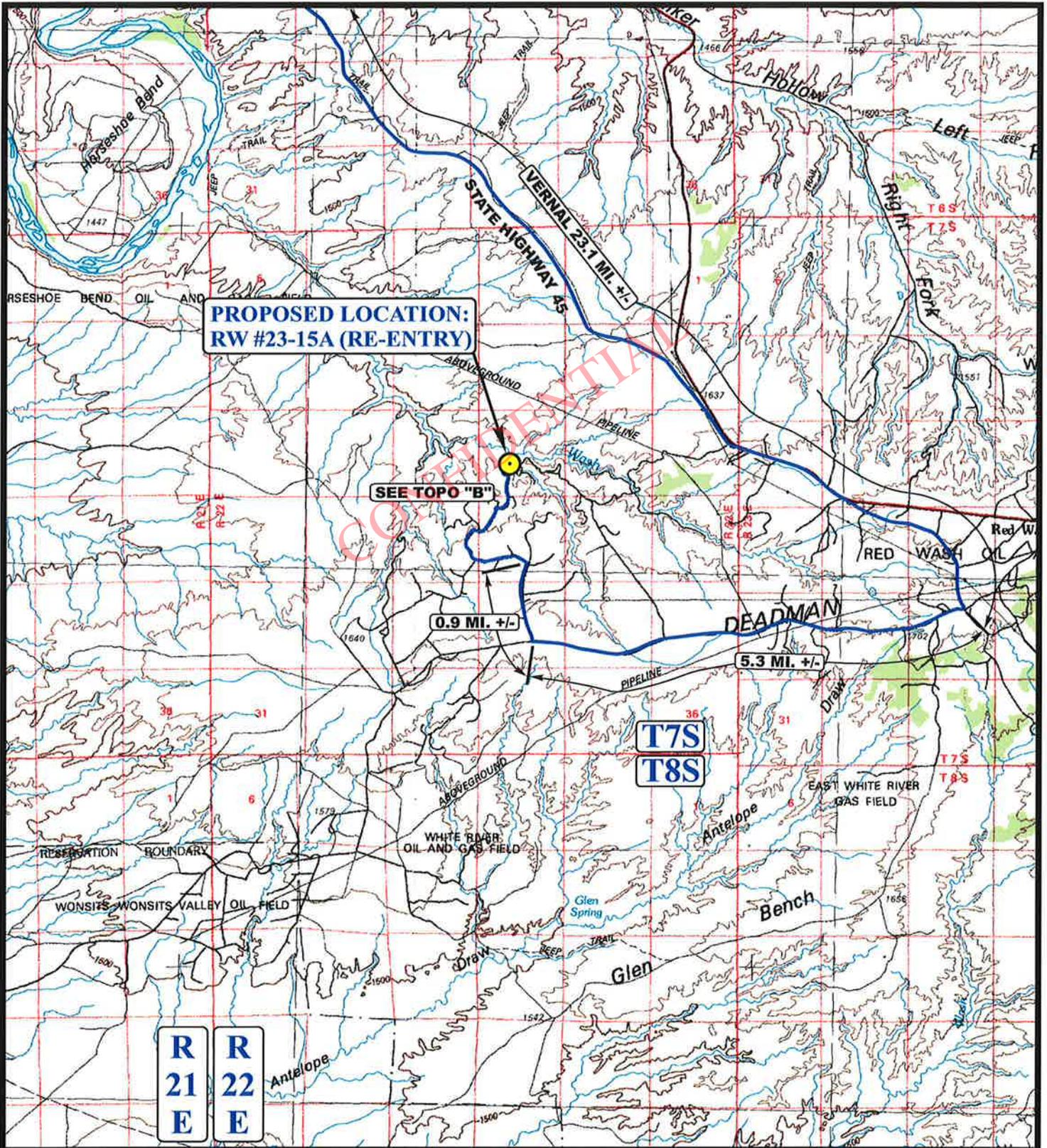


Existing Road



 RE-HABBED AREA

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



**LEGEND:**

 PROPOSED LOCATION



**QEP ENERGY COMPANY**

**RW #23-15A (RE-ENTRY)  
SECTION 15, T7S, R22E, S.L.B.&M.  
2005' FSL 1946' FWL**



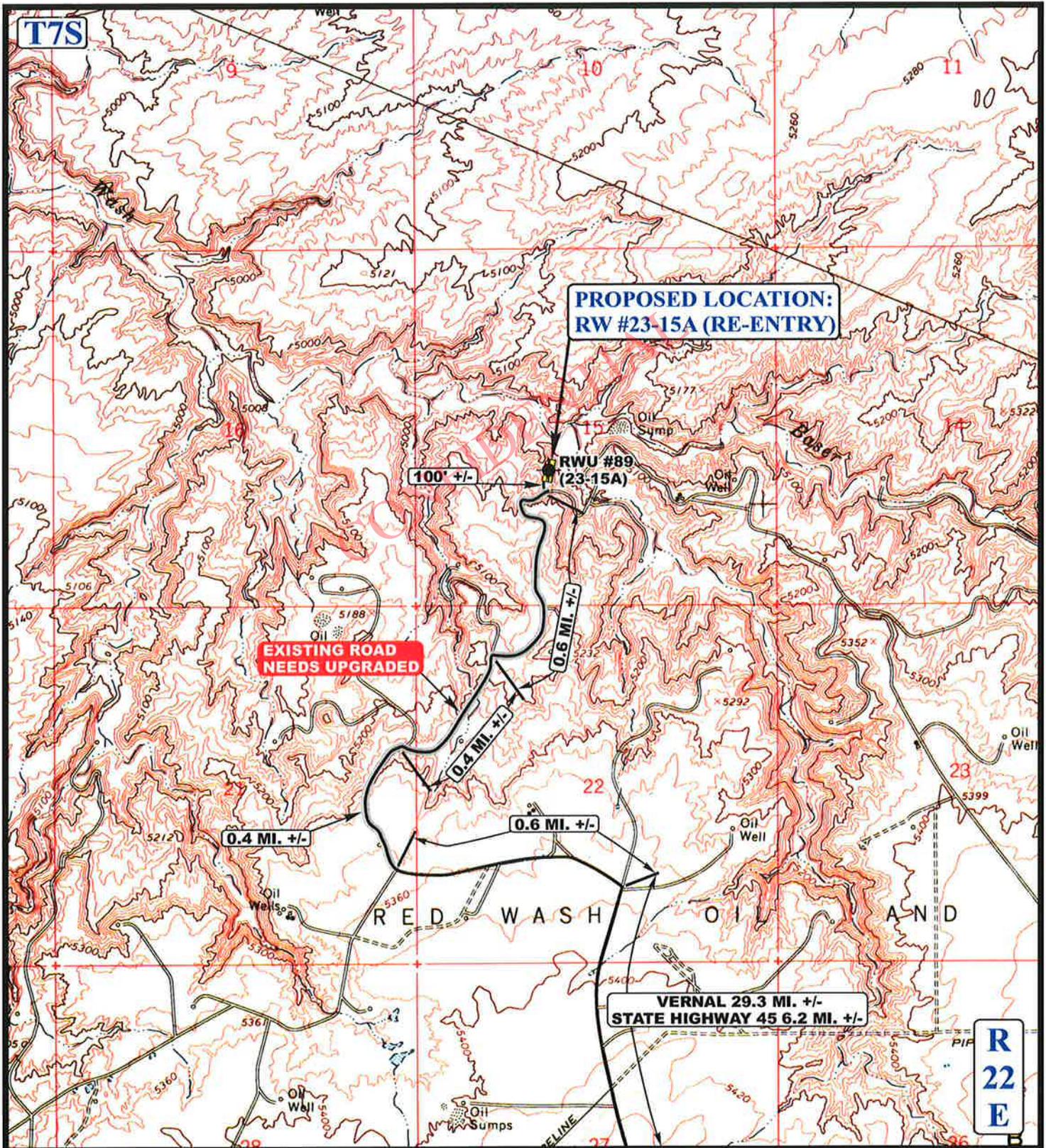
**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**ACCESS ROAD  
MAP**

<b>09</b>	<b>08</b>	<b>10</b>
MONTH	DAY	YEAR

SCALE: 1:100,000 DRAWN BY: J.J. REVISED: 00-00-00





**LEGEND:**

— EXISTING ROAD



**QEP ENERGY COMPANY**

**RW #23-15A (RE-ENTRY)**  
**SECTION 15, T7S, R22E, S.L.B.&M.**  
**2005' FSL 1946' FWL**

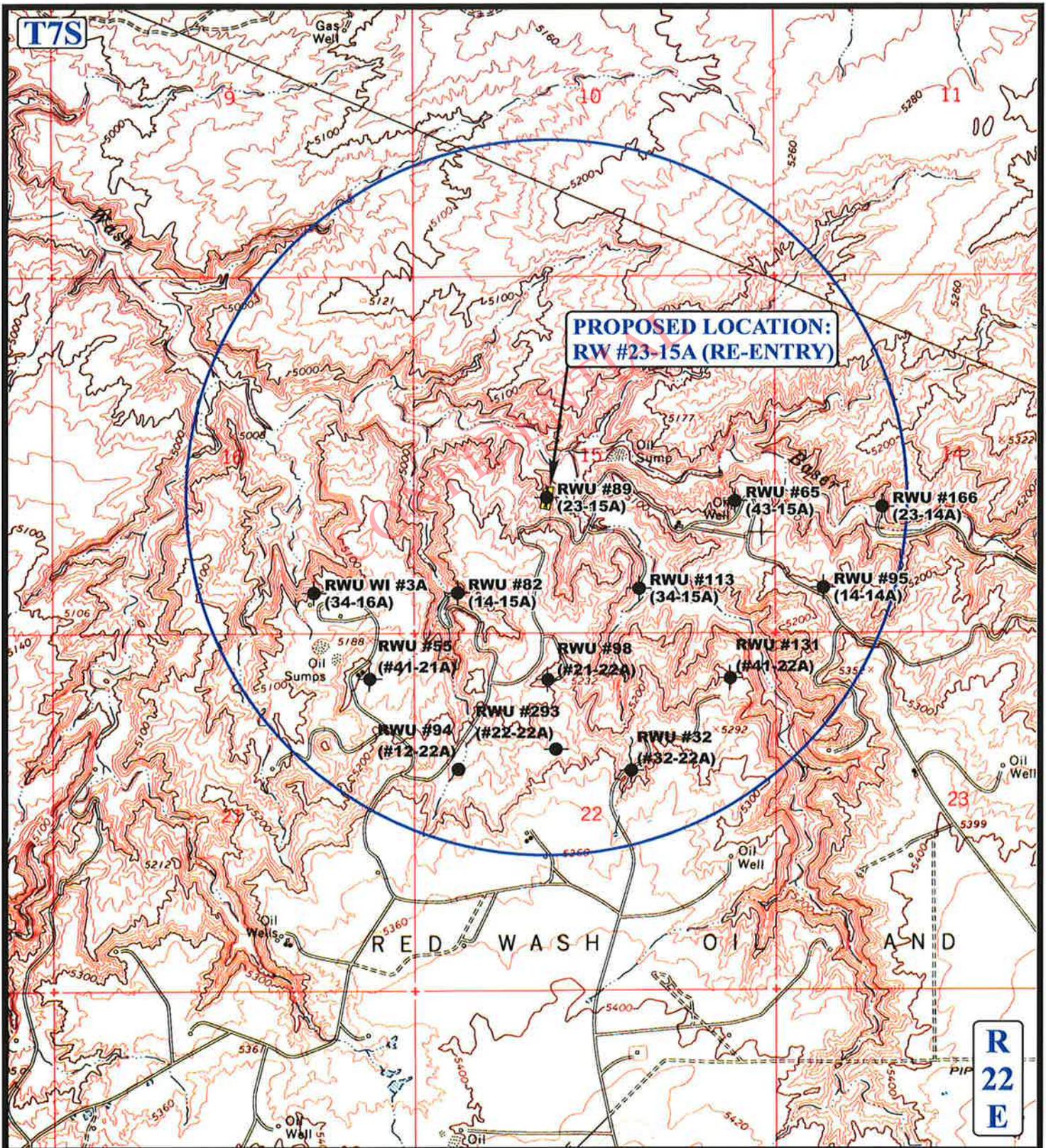
**U&Ls**  
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**ACCESS ROAD MAP**

09	08	10
MONTH	DAY	YEAR

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

**B**  
**TOPO**



**PROPOSED LOCATION:  
RW #23-15A (RE-ENTRY)**

**LEGEND:**

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



**QEP ENERGY COMPANY**

**RW #23-15A (RE-ENTRY)  
SECTION 15, T7S, R22E, S.L.B.&M.  
2005' FSL 1946' FWL**



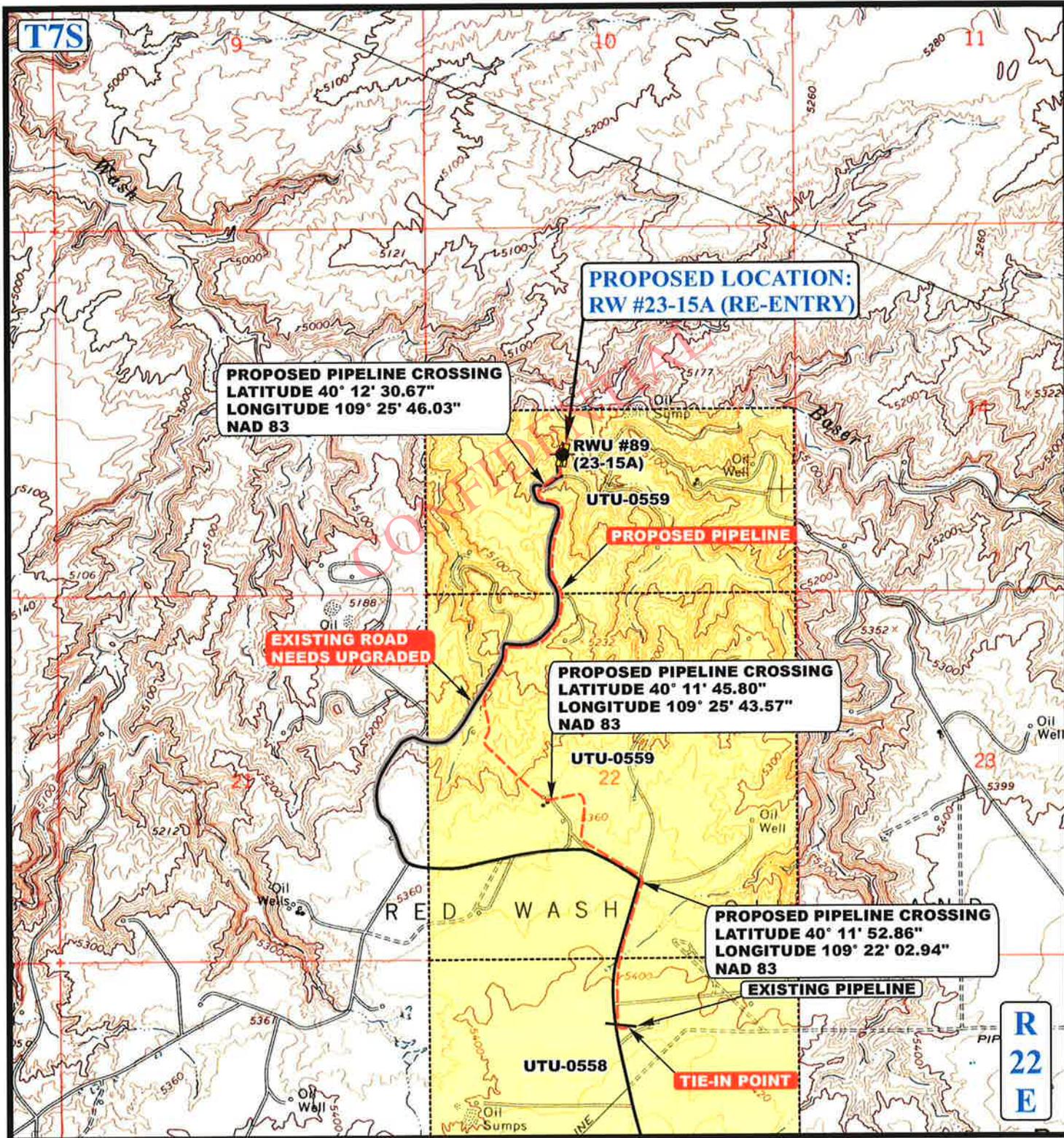
**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

<b>09</b>	<b>08</b>	<b>10</b>
MONTH	DAY	YEAR

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





**APPROXIMATE TOTAL PIPELINE DISTANCE = 10,804' +/-**

**LEGEND:**

- EXISTING PIPELINE
- PROPOSED PIPELINE



**QEP ENERGY COMPANY**

**RW #23-15A (RE-ENTRY)  
SECTION 15, T7S, R22E, S.L.B.&M.  
2005' FSL 1946' FWL**



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

**TOPOGRAPHIC  
MAP**

<b>09</b>	<b>16</b>	<b>10</b>
MONTH	DAY	YEAR

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



**QEP ENERGY COMPANY**  
**REFERENCE MAP: AREA OF VEGETATION**  
**RW #23-15A (RE-ENTRY)**  
**LOCATED IN UINTAH COUNTY, UTAH**  
**SECTION 15, T7S, R22E, S.L.B.&M.**

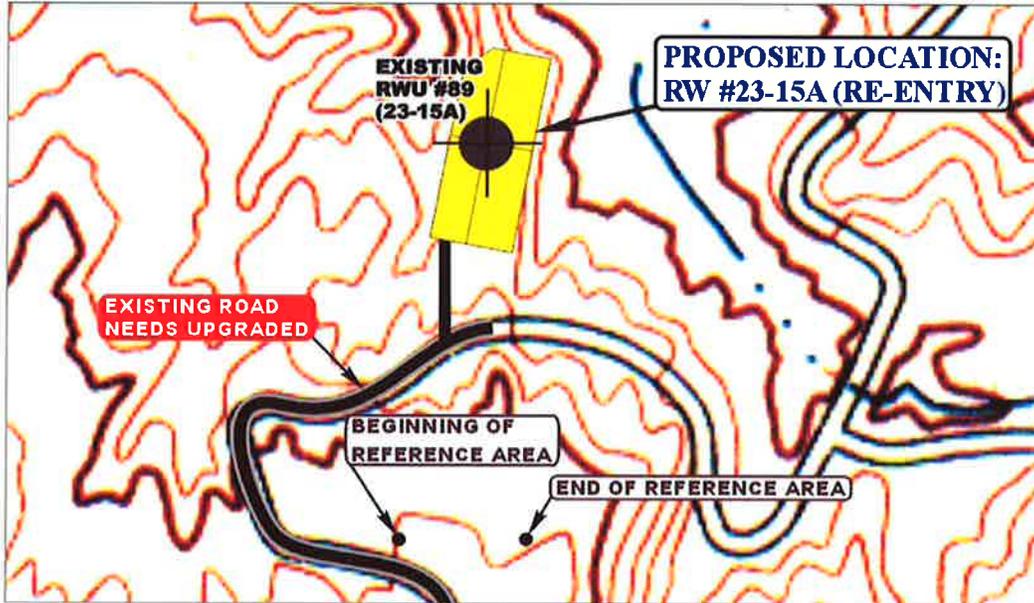


**NOTE:**

**BEGINNING OF REFERENCE AREA**  
 UTM NORTHING: 14606327.309  
 UTM EASTING: 2079050.260  
 LATITUDE: 40.207913  
 LONGITUDE: -109.428995

**END OF REFERENCE AREA**  
 UTM NORTHING: 14606326.792  
 UTM EASTING: 2079249.661  
 LATITUDE: 40.207902  
 LONGITUDE: -109.428282

**PHOTO: VIEW FROM BEGINNING OF REFERENCE AREA**



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

SCALE: 1" = 300'		10	26	10	REF.
		MONTH	DAY	YEAR	
TAKEN BY: A.F.	DRAWN BY: Z.L.	REVISED: 00-00-00			

**QEP ENERGY COMPANY  
RW 23-15A  
2005' FSL 1946' FWL  
NESW, SECTION 15, T7S, R22E  
UINTAH COUNTY, UTAH  
LEASE # UTU-0559**

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

An onsite inspection was conducted for the RW 23-15A on October 13, 2010. Weather conditions were sunny at the time of the onsite. In attendance at the inspection were the following individuals:

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

**1. Existing Roads:**

The proposed well site is approximately 31 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 23-15A 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.

The proposed surface pipeline will be constructed utilizing existing disturbed areas to minimize surface disturbance. No construction activities will be allowed outside of the permitted ROW area.

Prior to construction, the Permittee will develop a plan of installation to minimize surface disturbance. Pipe will be strung along the ROW 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 along the ROW using conventional methods, the Permittee will utilize pull sections to run the fabricated pipe through the area from central staging areas along the ROW.

Upon completion of stringing activities the Permittee will fabricate the pipeline on wooden skids adjacent to the centerline of the ROW using truck mounted welding machines. All fabricated piping will be lowered off of the wooden skids and placed along the ROW centerline. Upon completion of all activities, the wooden skids will be removed from the ROW using a flatbed truck or flatbed truck and trailer.

When the surface terrain prohibits the Permittee from safely installing the pipeline along the permitted ROW, grading of the permitted ROW 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 permitted ROW will be restored to the pre-disturbance surface contours.

The proposed pipeline will be a surface 10" or smaller, 10,804' in length, containing 7.440 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 ROW 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. During the 90 day period, in accordance with Onshore Order #7, all produced water will be contained in tanks on location and then hauled to the Wonsits Valley water injection station located in the SWNW Section 12, T8S, R21E; or, the Red Wash disposal well located in the NESW, Section 28, T7S, R22E; or, the Red Wash Central Battery Disposal located SWSE, Section 27, T7S, R23E, or third-party surface evaporative pits.

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

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

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

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

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

**8. Ancillary Facilities:**

None anticipated.

**9. Well Site Layout: (See Location Layout Diagram)**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

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

The reserve pit.

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

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

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

A pit liner is required. A felt pit liner will be required if bedrock is encountered.

**10. Fencing Requirements:**

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

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

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

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

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

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

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

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

**11. Plans for Reclamation of the Surface:**

Please refer to QEP Energy Company Uinta Basin Division Reclamation Plan

**Site Specific Procedures:**

**Site Specific Reclamation Summary:**

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

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

The disturbed area will be backfilled with subsoil.

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

Water courses and drainages will be restored.

Erosion control devices will be installed where needed.

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

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

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

It was determined and agreed upon that there is 6" inches of top soil.

Please see attached Weed Data Sheet.

**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 September 22, 2010, **Moac Report No. 10-184** 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 October 13, 2010, **IPC # 10-175** 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 October 13, 2010, the following items were requested/discussed.**

Due to the constraints of the pad size on this location, QEP Energy will be utilizing the well location RW 43-21A 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.

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**Lessee's or Operator's Representative & Certification:**

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

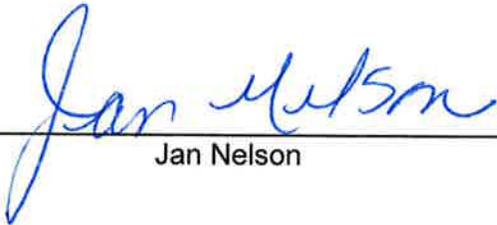
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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

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

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

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

  
\_\_\_\_\_  
Jan Nelson

11/29/2010  
\_\_\_\_\_  
Date

# 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)

December 1, 2010

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2010 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 well is planned for re-entry and completion in the Mesaverde Formation. The work is planned for calendar year 2010 within the Red Wash Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
------	-----------	----------

(Proposed PZ MESAVERDE)

43-047-16486 RWU 89 (23-15A) Sec 15 T07S R22E 2005 FSL 1946 FWL

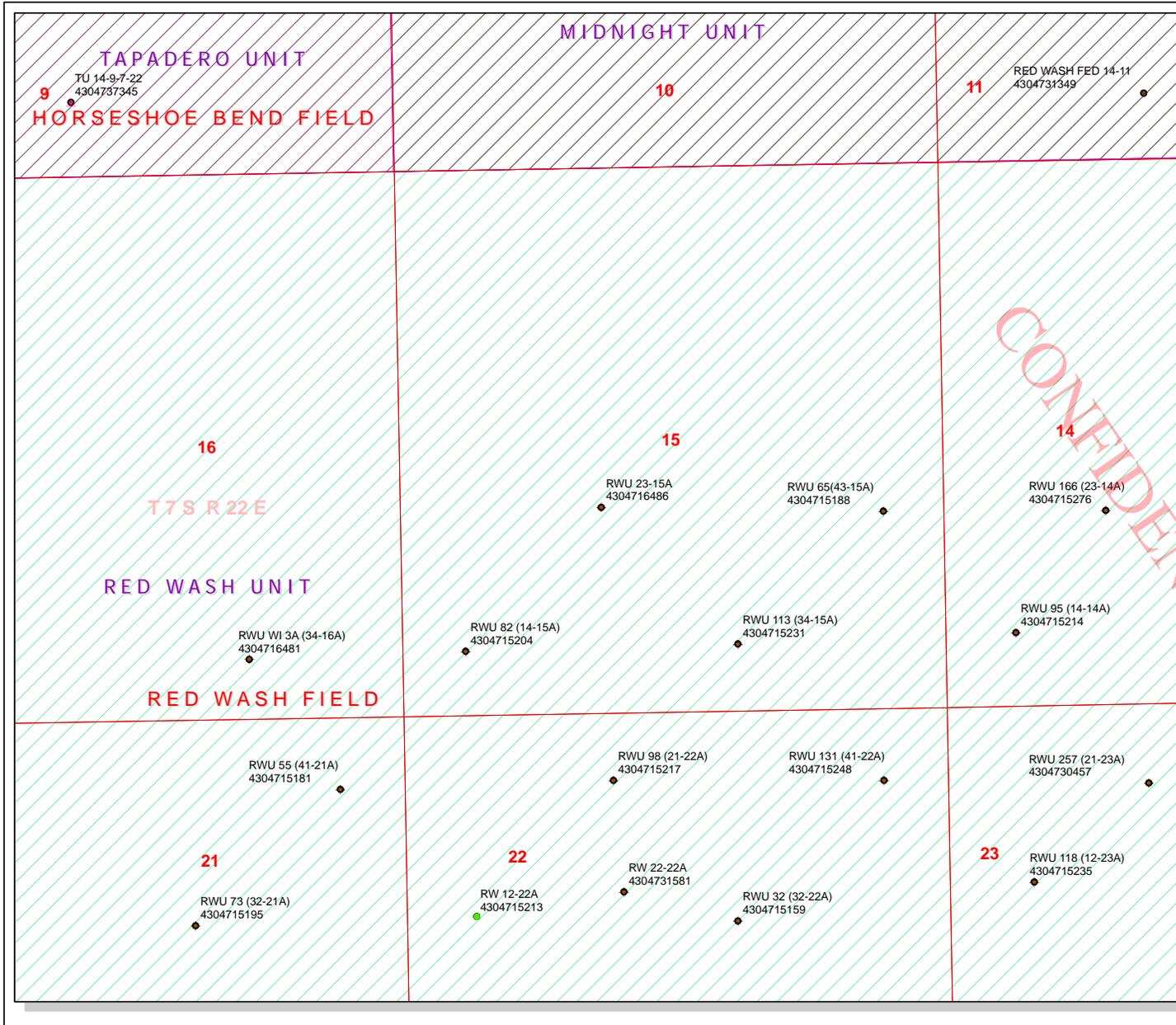
This office has no objection to permitting the wells at this time.

Michael L. Coulthard

Digitally signed by Michael L. Coulthard  
DN: cn=Michael L. Coulthard, ou=Bureau of Land Management, ou=Branch of Minerals,  
email=Michael\_Coulthard@blm.gov, c=US  
Date: 2010.12.01 10:43:10 -0700

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

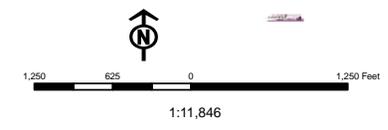
MCoulthard:mc:12-1-10



**API Number: 4304716486**  
**Well Name: RWU 23-15A**  
**Township 07.0 S Range 22.0 E Section 15**  
**Meridian: SLBM**  
 Operator: QEP ENERGY COMPANY

Map Prepared:  
 Map Produced by Diana Mason

- | Units                         | Wells Query                          |
|-------------------------------|--------------------------------------|
| <b>STATUS</b>                 | ✕ - call other values-               |
| ACTIVE                        | ◆ APD - Approved Permit              |
| EXPLORATORY                   | ⊙ DRL - Spudded (Drilling Commenced) |
| GAS STORAGE                   | ⊙ GIW - Gas Injection                |
| NF PP OIL                     | ⊙ GS - Gas Storage                   |
| NF SECONDARY                  | ⊙ LA - Location Abandoned            |
| PI OIL                        | ⊙ LDC - New Location                 |
| PP GAS                        | ⊙ OPS - Operation Suspended          |
| PP GEOTHERML                  | ⊙ PA - Plugged Abandoned             |
| PP OIL                        | ⊙ PGW - Producing Gas Well           |
| SECONDARY                     | ⊙ POW - Producing Oil Well           |
| TERMINATED                    | ⊙ RET - Returned APD                 |
| <b>Fields</b>                 | ⊙ SGW - Shut-in Gas Well             |
| Sections                      | ⊙ SOW - Shut-in Oil Well             |
| Township                      | ⊙ TA - Temp. Abandoned               |
| ⊙ Bottom Hole Location - AGRC | ⊙ TW - Test Well                     |
|                               | ⊙ WDW - Water Disposal               |
|                               | ⊙ WIIW - Water Injection Well        |
|                               | ⊙ WSW - Water Supply Well            |



CONFIDENTIAL

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

**APD RECEIVED:** 11/29/2010

**API NO. ASSIGNED:** 43047164860000

**WELL NAME:** RWU 89 (23-15A)

**OPERATOR:** QEP ENERGY COMPANY (N3700)

**PHONE NUMBER:** 435 781-4331

**CONTACT:** Jan Nelson

**PROPOSED LOCATION:** NESW 15 070S 220E

**Permit Tech Review:**

**SURFACE:** 2005 FSL 1946 FWL

**Engineering Review:**

**BOTTOM:** 2005 FSL 1946 FWL

**Geology Review:**

**COUNTY:** UINTAH

**LATITUDE:** 40.20973

**LONGITUDE:** -109.42787

**UTM SURF EASTINGS:** 633792.00

**NORTHINGS:** 4452010.00

**FIELD NAME:** RED WASH

**LEASE TYPE:** 1 - Federal

**LEASE NUMBER:** UTU0559

**PROPOSED PRODUCING FORMATION(S):** MESA VERDE

**SURFACE OWNER:** 1 - Federal

**COALBED METHANE:** NO

**RECEIVED AND/OR REVIEWED:**

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

**Commingling Approved**

**LOCATION AND SITING:**

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

**Comments:** Presite Completed  
ORIG APD 12-1-58;SPUD 12-2-58;COMPL 12-24-58;TD 5624; ORIG PA 12-24-58;610701 RECOMPL COMM  
WIW:000926 OP FR N0210 1-1-2000: 01129 INT TO REENTER:11/30/10 NM FR RWU 89 (23-15A):

**Stipulations:** 4 - Federal Approval - dmason



GARY R. HERBERT  
*Governor*

GREGORY S. BELL  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** RW 23-15A  
**API Well Number:** 43047164860000  
**Lease Number:** UTU0559  
**Surface Owner:** FEDERAL  
**Approval Date:** 12/6/2010

**Issued to:**

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

**Authority:**

Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 187-07. The expected producing formation or pool is the MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

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

**General:**

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

**Conditions of Approval:**

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

**Notification Requirements:**

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

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <https://oilgas.ogm.utah.gov>

**Reporting Requirements:**

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

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month

- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

**Approved By:**

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

For John Rogers  
Associate Director, Oil & Gas

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

5. Lease Serial No.  
UTU0559

6. If Indian, Allottee or Tribe Name

1a. Type of work:  DRILL  REENTER

7. If Unit or CA Agreement, Name and No.  
892000761X

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

8. Lease Name and Well No.  
RW 23-15A

2. Name of Operator QEP ENERGY COMPANY

9. API Well No.  
43-047-16486

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

3b. Phone No. (include area code)  
435-781-4331

10. Field and Pool, or Exploratory  
RED WASH

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface NESW 2005 FSL 1946 FWL 40.20972 N LAT, 109.42858 W LON  
At proposed prod. zone SAME

11. Sec., T. R. M. or Blk. and Survey or Area  
SEC 15 T7S R22E Mer SLB

14. Distance in miles and direction from nearest town or post office\*  
31

12. County or Parish UINTAH  
13. State UT

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1946

16. No. of acres in lease 2080.00  
17. Spacing Unit dedicated to this well 40.00

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. 2000

19. Proposed Depth 11842 MD  
20. BLM/BIA Bond No. on file ESB000024

21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5042 GL

22. Approximate date work will start\* 05/31/2011  
23. Estimated duration 30 DAYS

24. Attachments

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

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

25. Signature *Jan Nelson* Name (Printed/Typed) JAN NELSON Date 11/29/2010

Title PERMIT AGENT

Approved by (Signature) *Jerry Kenczka* Name (Printed/Typed) Jerry Kenczka Date OCT 03 2011

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

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

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

RECEIVED

(Continued on page 2)

OCT 12 2011

DIV. OF OIL, GAS & MINING

\*(Instructions on page 2)

*Original 11/30/10*  
RECEIVED

UDOGM

CONFIDENTIAL

JAN 24 2011

NOTICE OF APPROVAL  
CONDITIONS OF APPROVAL ATTACHED

BLM VERNAL, UTAH



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

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: QEP Energy Company  
Well No: RW 23-15A  
API No: 43-047-16486

Location: NESW, Sec. 15, T7S R22E  
Lease No: UTU-0559  
Agreement: Red Wash Unit

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

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

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit was processed using a 390 CX tied to NEPA approved 03/31/2008. Therefore, this permit is approved for a two (2) year period OR until lease expiration OR the well must be spud by 03/31/2013 (5 years from the NEPA approval date), whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

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

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

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO<sub>x</sub> per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO<sub>x</sub> per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**Site Specific Conditions of Approval**

- This project will be implemented on or after the sundry approval date. If the well has not been spudded by March 31, 2013 this sundry will expire and the operator is to cease all operations related to preparing to drill the well..
- During operations, if any vertebrate paleontological resources are discovered, all operations affecting such sites shall be immediately suspended, and all discoveries shall be left intact until authorized to proceed by the Authorized Officer. The appropriate Authorized Officer of the Vernal BLM office shall be notified within 48 hours of the discovery, and a decision as to the preferred alternative course of action will be rendered.
- Prior to construction, an invasive plants/noxious weeds inventory will be completed for all areas where surface disturbance will occur, and a completed Weed Inventory Form will be submitted to the BLM Authorized Officer.

**Reclamation**

- Reclamation will be completed in accordance with the Questar Exploration and Production Company, Uintah Basin Division's Reclamation Plan on file with the Vernal Field Office of the BLM.
- The operator shall submit a Sundry Notice (Form 3160-5) to the BLM Authorized Officer (AO) 3 growing seasons after reclamation efforts have occurred evaluating the status of the reclaimed areas in order to determine whether the BLM standards set forth in the Green River District Reclamation Guidelines have been met (30% or greater basal cover).

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

**SITE SPECIFIC DOWNHOLE COAs:**

- All requirements for Drilling operations in Onshore Order #2 shall be adhered to.
- Advance 24 hour notification through UT\_VN\_OpReport@blm.gov is required for BOPE tests. Operator shall provide notification prior to installing/testing BOPE for the 5M BOPE system. For the e-mail notification, please place in the e-mail notification subject line the following text, "Deepening well work, BOPE test for 5M System . . . . well name".

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each

encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to [UT\\_VN\\_Welllogs@BLM.gov](mailto:UT_VN_Welllogs@BLM.gov). This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

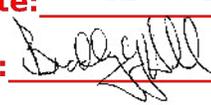
## OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of

the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in

hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0562
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b> RED WASH
<b>1. TYPE OF WELL</b> Oil Well	<b>8. WELL NAME and NUMBER:</b> RWU 23-15A	
<b>2. NAME OF OPERATOR:</b> QEP ENERGY COMPANY	<b>9. API NUMBER:</b> 43047164860000	
<b>3. ADDRESS OF OPERATOR:</b> 11002 East 17500 South , Vernal, Ut, 84078	<b>PHONE NUMBER:</b> 303 308-3068 Ext	<b>9. FIELD and POOL or WILDCAT:</b> RED WASH
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2005 FSL 1946 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 15 Township: 07.0S Range: 22.0E Meridian: S	<b>COUNTY:</b> UINTAH	
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/6/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
QEP ENERGY COMPANY HEREBY REQUESTS A ONE YEAR EXTENSION FOR THE APD ON THE ABOVE CAPTIONED WELL.		
<p style="color: red; font-weight: bold;">Approved by the Utah Division of Oil, Gas and Mining</p> <p style="color: red; font-weight: bold;">Date: <u>12/08/2011</u></p> <p style="color: red; font-weight: bold;">By: <u></u></p>		
<b>NAME (PLEASE PRINT)</b> Valyn Davis	<b>PHONE NUMBER</b> 435 781-4369	<b>TITLE</b> Regulatory Affairs Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/5/2011	



**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 43047164860000**

**API:** 43047164860000

**Well Name:** RWU 23-15A

**Location:** 2005 FSL 1946 FWL QTR NESW SEC 15 TWNP 070S RNG 220E MER S

**Company Permit Issued to:** QEP ENERGY COMPANY

**Date Original Permit Issued:** 12/6/2010

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:** 12/5/2011

**Title:** Regulatory Affairs Analyst **Representing:** QEP ENERGY COMPANY

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0562
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b> RED WASH
<b>2. NAME OF OPERATOR:</b> QEP ENERGY COMPANY		<b>8. WELL NAME and NUMBER:</b> RW 23-15A
<b>3. ADDRESS OF OPERATOR:</b> 11002 East 17500 South , Vernal, Ut, 84078		<b>9. API NUMBER:</b> 43047164860000
<b>PHONE NUMBER:</b> 303 308-3068 Ext		<b>9. FIELD and POOL or WILDCAT:</b> RED WASH
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2005 FSL 1946 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 15 Township: 07.0S Range: 22.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/4/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

QEP ENERGY COMPANY REQUESTS THE WELL NAME RWU 23-15A  
CHANGE TO RW 23-15A.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
December 04, 2012**

<b>NAME (PLEASE PRINT)</b> Valyn Davis	<b>PHONE NUMBER</b> 435 781-4369	<b>TITLE</b> Regulatory Affairs Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/4/2012	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0562	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b> RED WASH	
<b>8. WELL NAME and NUMBER:</b> RW 23-15A	
<b>9. API NUMBER:</b> 43047164860000	
<b>9. FIELD and POOL or WILDCAT:</b> RED WASH	
<b>9. COUNTY:</b> Uintah	
<b>9. STATE:</b> UTAH	
<b>1. TYPE OF WELL</b> Oil Well	
<b>2. NAME OF OPERATOR:</b> QEP ENERGY COMPANY	
<b>3. ADDRESS OF OPERATOR:</b> 11002 East 17500 South , Vernal, Ut, 84078	
<b>PHONE NUMBER:</b> 303 308-3068 Ext	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2005 FSL 1946 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 15 Township: 07.0S Range: 22.0E Meridian: S	

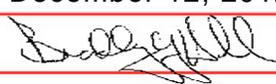
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/6/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

Approved by the  
 Utah Division of  
 Oil, Gas and Mining

Date: December 12, 2012  
 By: 

<b>NAME (PLEASE PRINT)</b> Valyn Davis	<b>PHONE NUMBER</b> 435 781-4369	<b>TITLE</b> Regulatory Affairs Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/4/2012	



**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 43047164860000**

API: 43047164860000

Well Name: RWU 23-15A

Location: 2005 FSL 1946 FWL QTR NESW SEC 15 TWP 070S RNG 220E MER S

Company Permit Issued to: QEP ENERGY COMPANY

Date Original Permit Issued: 12/6/2010

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: 12/4/2012

Title: Regulatory Affairs Analyst Representing: QEP ENERGY COMPANY

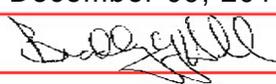
<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-0562	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>7. UNIT or CA AGREEMENT NAME:</b> RED WASH	<b>8. WELL NAME and NUMBER:</b> RW 23-15A
<b>1. TYPE OF WELL</b> Oil Well	<b>9. API NUMBER:</b> 43047164860000
<b>2. NAME OF OPERATOR:</b> QEP ENERGY COMPANY	<b>9. FIELD and POOL or WILDCAT:</b> RED WASH
<b>3. ADDRESS OF OPERATOR:</b> 11002 East 17500 South , Vernal, Ut, 84078	<b>PHONE NUMBER:</b> 303 308-3068 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2005 FSL 1946 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 15 Township: 07.0S Range: 22.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

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

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

QPE 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:** December 09, 2013  
  
**By:** 

<b>NAME (PLEASE PRINT)</b> Valyn Davis	<b>PHONE NUMBER</b> 435 781-4369	<b>TITLE</b> Regulatory Affairs Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 12/4/2013	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047164860000**

API: 43047164860000

Well Name: RW 23-15A

Location: 2005 FSL 1946 FWL QTR NESW SEC 15 TWP 070S RNG 220E MER S

Company Permit Issued to: QEP ENERGY COMPANY

Date Original Permit Issued: 12/6/2010

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: 12/4/2013

Title: Regulatory Affairs Analyst Representing: QEP ENERGY COMPANY



GARY R. HERBERT  
Governor

SPENCER J. COX  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

December 4, 2014

43 047 16A86  
RW 23-15A  
15 7S 22E

Valyn Davis  
QEP Energy Company  
11002 East 17500 South  
Vernal, UT 84078

Re: APDs Rescinded for QEP Energy Company Uintah & Duchesne County

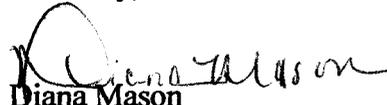
Dear Ms. Davis:

Enclosed find the list of APDs that you asked to be rescinded. No drilling activity at these locations has been reported to the division. Therefore, approval to drill these wells is hereby rescinded.

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

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

Sincerely,

  
Diana Mason  
Environmental Scientist

cc: Well File  
Bureau of Land Management, Vernal

4304739854 RW 32-29CD  
→ 4304716486 RW 23-15A  
4301351906 WR 6G-4-10-17  
  
4301333821 GD 8G-35-9-15  
4301333822 GD 9G-35-9-15  
4301333823 GD 10G-35-9-15  
4301333824 GD 11G-35-9-15  
4301333825 GD 12G-35-9-15  
4301333826 GD 13G-35-9-15  
4301333828 GD 2G-34-9-15  
4301333829 GD 7G-34-9-15  
4301333830 GD 7G-35-9-15  
4301333831 GD 14G-35-9-15  
4301333832 GD 15G-35-9-15  
4301333834 GD 1G-35-9-15  
4301333835 GD 2G-35-9-15  
4301333836 GD 3G-35-9-15  
4301333837 GD 4G-35-9-15  
4301333838 GD 5G-35-9-15  
4301333839 GD 6G-35-9-15  
4301333840 GD 8G-34-9-15  
4301333841 GD 9G-34-9-15  
4301333842 GD 10G-34-9-15  
4301333843 GD 15G-34-9-15  
4301333844 GD 16G-34-9-15  
4301351813 WR 5G-3-10-17