

### FILE 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 9-9-1952 *Answer to OGCC* Location Inspected \_\_\_\_\_  
OW  \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_ Bond released \_\_\_\_\_  
GW \_\_\_\_\_ OS \_\_\_\_\_ PA \_\_\_\_\_ State of Fee Land \_\_\_\_\_

### LOGS FILED

Driller's Log \_\_\_\_\_

Electric Logs (No. ) \_\_\_\_\_

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

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

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG X ELECTRIC LOGS E X WATER SANDS NO LOCATION INSPECT        SUB. REPORT/abd.       

Standard Oil of California changed its name to California Oil Company as of 1-1-61

\* 3-17-61 Re-Completion Report

\*\* 5-18-61 Sub. report of shooting or acidizing

*7-20-71 Well Completion for Washover*

DATE FILED 6-13-52

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-0569 INDIAN

DRILLING APPROVED: --

SPUDED IN: 6-15-52 \* 3-6-60

COMPLETED: 9-9-52 PUT TO PRODUCING: \* 4-10-60

INITIAL PRODUCTION: 84 BO. & 1 BW per 19 hr. test \* 64 BOPD 550 BWPD 282 MCF/D \* 80 BOPD 208 WPD

GRAVITY A.P.I. 29° \* 19.4°

GOR: *\*\* Notched 5572'-75'; 5583'-86'; 5593'-97'*

PRODUCING ZONES: 5086'-5125' Green River \* 5612'-18'; 5639'-47'; 5652'-64';

TOTAL DEPTH: 6073'

WELL ELEVATION: 5615'DF \* 5615'KB

DATE ABANDONED:

FIELD: Red Wash - *Greater Red Wash Area*

UNIT: Red Wash

COUNTY: Uintah

WELL NO. RED WASH UNIT #17 (41-20B) *AD 43-047-15146*

LOCATION 660' FT. FROM (N) ~~OR~~ LINE, 660' FT. FROM (E) ~~OR~~ LINE. C NE NE ¼-¼ SEC. 20

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
23 S	23 E	20	CHEVRON OIL COMPANY				

## ELECTRIC LOG TOPS

## GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humberg
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River	3154' EL Frontier	Phosphoria	Elbert
	Dakota	Park City	McCracken
	Burro Canyon	Rico (Goodridge)	Aneth
	Cedar Mountain	Supai	Simonson Dolomite
	Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBONIFEROUS	North Point
Wasatch	6024' EL Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akahi	Ophir
Montana	Nava jo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE-CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

(SUBMIT IN TRIPLICATE)

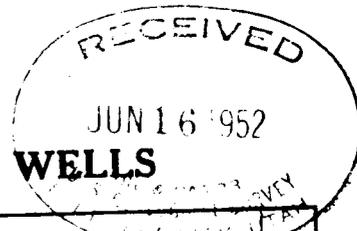
Land Office U-0569

Lease No. Red Wash

Unit \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ORIGINAL FOR \_\_\_\_\_ TO \_\_\_\_\_



**SUNDRY NOTICES AND REPORTS ON WELLS**  
**X**

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 REDRILLING 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)

**Rangely, Colorado**      **June 13**      **52**

19

20

Well No. 17 is located 660 ft. from N line and 660 ft. from W line of sec. \_\_\_\_\_  
NE 1/4 NE 1/4, Sec. 20      T7S      R25E      SLRM

Red Wash and Sec. No.)

(Twp.)

Utah

(Meridian)

Utah

(Field)

(County or Subdivision)

5917

(Est.)

(State or Territory)

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

**DETAILS OF WORK**

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementation. Proposed casing program is:

- 16" OD conductor casing at approximately 40', cemented to surface.
- 10-3/4" OD surface casing at approximately 500', cemented to surface.
- 7" OD oil string through Green River Zone at 6344' estimated depth, with sufficient cement to exclude all potential oil or gas zones.

Estimated Formation Tops:  
Green River      3445'  
Basal Green River      5907'  
Coring Point  
Wasatch      6344'

(SEE ATTACHED RIDER FOR APPROVAL)

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

**THE CALIFORNIA COMPANY**

Company RANGELY, COLORADO

Address \_\_\_\_\_

M. W. Grant  
M. W. Grant

By Field Supt.

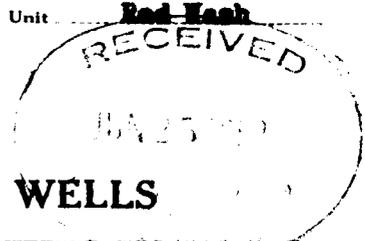
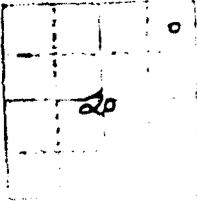
Title \_\_\_\_\_

Form 9-331a  
(Feb. 1951)

Land Office Salt Lake City  
Lease No. U-0569  
Unit Red Wash

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF REDRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	Subsequent Report of 10-3/4" Csg.	X

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

Rangely, Colorado, June 23, 1952

Well No. 17 is located 660 ft. from N line and 660 ft. from W line of sec. 20

NE 1/4 NE 1/4, Sec. 20 (1/4 Sec. and Sec. No.)      T 7 S (Twp.)      R 23 E (Range)      S15M (Meridian)  
Red Wash (Field)      Utah (County or Subdivision)      Utah (State or Territory)

The elevation of the derrick floor above sea level is 5915.6 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)

TD 532' - Ran 12 jts. of 10-3/4", 40.5#, J-55, 8rd thd. sals. csg. to 516'.  
Used Baker float equipment and four Baker centralisers. Cemented csg. with 270 sax of cement. Had cement returns at surf. Csg. and BOP's tested with clear water to 1500 psi. with clear water before drilling out.

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

Company The California Co.

Address Rangely, Colorado

*[Handwritten signature]*

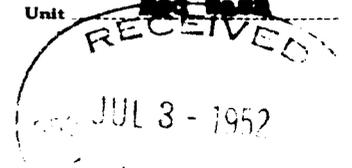
By M. N. Grant, F.S.

Title Field Supt.

Land Office **Salt Lake City**  
Lease No. **U-0569**  
Unit **Red Wash**

(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING 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.....	<b>Sub. Report of Derrick Floor Eleva. X</b>

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

Rangely, Colorado, July 1, 1952

Well No. 17 is located 660 ft. from N/S line and 660 ft. from E/W line of sec. 20

NE 1/4 Sec. 20  
(1/4 Sec. and Sec. No.)

T 7 S  
(Twp.)

R 23 E  
(Range)

SLRM  
(Meridian)

Red Wash  
(Field)

Uintah  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 5615.6 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)

This elevation was erroneously reported to this office as 5915.6'. A recheck found that the correct elevation was 5615.6'. Plats correcting this error are being made and corrected copy will be mailed to your office upon receipt of same at this office.

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

Company The California Co.

Address Rangely, Colorado

By M. W. Grant

Title Field Supt.

*[Handwritten signature]*

(SUBMIT IN TRIPLICATE)  
**UNITED STATES**  
**DEPARTMENT OF THE INTERIOR**  
**GEOLOGICAL SURVEY**

Land Office Salt Lake City  
Lease No. U-0569  
Unit Red Wash

**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING 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.....		<b>X</b>

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

Remedy, Colorado, July 1, 1952

Well No. 17 is located 660 ft. from N/S line and 650 ft. from E/W line of sec. 20

20 (34 Sec. and Sec. No.)      T 7 S (Twp)      R 23 E (Range)      SLT (Meridian)  
Red Wash (Field)      Uintah (County or Subdivision)      Utah (State or Territory)

The elevation of the derrick floor above sea level is 4625 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)

Tested interval 3964' - 3934'. HONCO p/cr. set at 3964'. 1/2" BHC, no WC, tool open 1 hr., SI 30 min. Weak blow increasing to good in 30 min., decreasing to faint blow in 45 min. No gas or fluid to surf. Rec. 270' mud, Sal. 1375 ppm. 170' water, Sal. 1425 ppm. No oil or gas recovered.

ST	IF	FF	SI	HH
	70	211	1440	2005
FRD	160	200	1500	2005

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

Company The United Oil Co.

Address Remedy, Colorado

By E. W. Gault

Title Field Supervisor

Form 9-331a  
(Feb. 1951)

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. U-0569

Unit Red Wash

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

AUG 19 1952

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 REDRILLING 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.....	<b>DST #3</b>	<b>X</b>

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

Rangely, Colorado, July 11, 19 52

Well No. 17 is located 660 ft. from N line and 660 ft. from E line of sec. 20

NE 1/4, NE 1/4, Sec. 20  
(1/4 Sec. and Sec. No.)

T 7 S  
(Twp.)

R 23 E  
(Range)

SLM  
(Meridian)

Red Wash  
(Field)

Uintah

(County or Subdivision)

Utah

(State or Territory)

The elevation of the derrick floor above sea level is 5615.6 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)

Tested interval 5020' - 5058'. HOWCO pkr set at 5020'. No BHD, no WC, tool open 1 hr. SI 30 min. Five psi surf. press. on 1/2" choke. Good blow decreasing to zero in 50 min. No gas or fluid to surf. Rec. 90' mud, 20 percent cut, 5 percent gas cut, Sal. 1100 ppm. 3060' water, 3% oil cut, no gas, Sal. 2000 ppm.

	IF	FF	SI	NH
BT	280	1155	1381	2521
PRD	480	1300	1450	2650

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

Company The California Co.

Address Rangely, Colorado

By M. H. Grant

Title Field Supt.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. U-0569

Unit Red Wash

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

20

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 REDRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING .....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....	<u>DST #</u>	<u>X</u>

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

Rangely, Colorado, July 12, 1952

Well No. 17 is located 660 ft. from N line and 660 ft. from E line of sec. 20

NE 1/4 NE 1/4 Sec. 20  
(1/4 Sec. and Sec. No.)

T 7 S  
(Twp.)

R 23 E  
(Range)

S15M  
(Meridian)

Red Wash  
(Field)

Uintah  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 5615.6 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)

Tested interval 5074' - 5136'. Set HOWCO pkr. at 5074'. No BHC, no WC, tool open 1 hr., SI 40 min. Surf. press.  $\frac{3}{8}$  in 15 min. through  $\frac{1}{4}$ " surf. choke. Good blow throughout test. Gas to surf. in 40 min., vol. too small to measure. Rec. 609' oil 320' mud 5% oil cut, 5% gas cut. Sal. 6000 ppm.

	IF	FF	SI	HM
BT	205	310	1130	2520
PRD	310	310	1180	2660

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

Company The California Co.

Address Rangely, Colorado

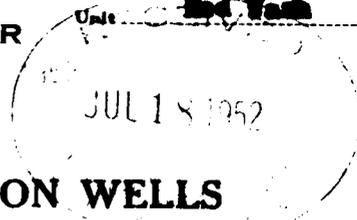
By M. V. Grant

Title Field Supt.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City  
Lease No. 1-224  
Unit Red Wash

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF REDRILLING 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.....	<b>DST #5</b>	<b>X</b>

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

Rangely, Colorado, July 16, 19 52

Well No. 17 is located 660 ft. from N line and 660 ft. from E line of sec. 20

NE 1/4, Sec. 20  
(1/4 Sec. and Sec. No.)

T 7 S  
(Twp.)

R 23 E  
(Range)

SLM  
(Meridian)

Red Wash  
(Field)

Hatch  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 5615 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)

Tested interval 5109' - 5192'. Set HOWCO pkr. at 5109'. No BHC, no WC, tool open 1 hr., SI 30 min. Good blow throughout test through 1/2" surf. chime. No fluid or gas to surf. Rec. 160' high pour point oil with 30% water cut. 330' and 10-15% oil out with Sal. of 150 ppm, 270' water 30% oil cut with Sal. 150 ppm.

	IF	FF	SI	HH
BT	128	280	1309	2790
PRD	250	390	1320	2630

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

Company The California Co.

Address Rangely, Colorado

By M. W. Grant

Title Field Supt.

(SUBMIT IN TRIPLICATE)

Land Office Red Wash

UNITED STATES

Lease No. \_\_\_\_\_

DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Unit \_\_\_\_\_

JUL 15 1952

RECEIVED  
JUL 25 1952

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 REDRILLING OR REPAIR	<input checked="" type="checkbox"/>
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 NATURAL GAS, OIL, OR OTHER DATA)

Well No. 17 660 is located 17S ft. from RPSE line and 660 ft. from 11 line of sec. 20  
Red Wash Uintah Utah  
 (1/4 Sec. and Sec. No.) (Twp) (Range) (Meridian)  
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is \_\_\_\_\_ 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)

Tested interval 5258'-5285'. Set HOWCO packer at 5258'. No BHC no WC. Tool open 2 hrs. shut in one hr. Faint blow increasing to good in 5 min. Surface pressure of 1 psi. on 1/4" choke. Recovered 120' mud slightly gas out with salinity of 16 ppm. 42 units total gas all methane.

	IF	FF	SI	HH
BT	200	1065	2230	2865
PRD	190	810	1800	2690

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

Company The California Company

Address Engely, Colorado

By M. W. Grant

Title Field Supt.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

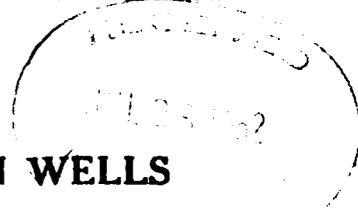
Lease No. V-0569

Unit Red Wash Field

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

20

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 REDRILLING 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	<b>DET #7</b>	<b>X</b>

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

Rangely, Colorado, July 24, 1952

Well No. 17 is located 660 ft. from N/161 line and 660 ft. from E/171 line of sec. 20

Red Wash  
(34 Sec. and Sec. No.)

T 7 S  
(Twp.)

R 23 E  
(Range)

SLM  
(Meridian)

Red Wash  
(Field)

Utah  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 5615 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)

Tested interval 5286 - 5337'. Set HOWCO packer at 5286'  $\frac{1}{2}$ " BHC, no WC, tool open 3 hrs., SI  $\frac{1}{2}$  hrs. Surf. Press. zero through  $\frac{1}{4}$ " choke. Faint blow throughout test. No gas to surf. Rec. 180' mud slight oil cut Sal. 900 ppm and 720' water with Sal. of 1850 ppm. 96 total units gas with 76 Methane.

	IF	FP	SI	HN
BT	310	440	2100	2990
PKD	325	410	1690	2800

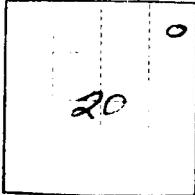
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Co.

Address Rangely, Colorado

By M. V. Grant

Title Field Supt.



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Salt Lake City**

Lease No. **U-0569**

Unit **Red Wash**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	<b>DST #8</b>

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

**Rangely, Colorado, July 28, 1952**

Well No. **17** is located **660** ft. from **N** line and **660** ft. from **E** line of sec. **20**

**NE 1/4 NE 1/4 Sec. 20**  
(1/4 Sec. and Sec. No.)

**T 7 S**  
(Twp.)

**R 23 E**  
(Range)

**S15M**  
(Meridian)

**Red Wash**  
(Field)

**Dintah**  
(County or Subdivision)

**Utah**  
(State or Territory)

The elevation of the derrick floor above sea level is **5615 ft.**

DETAILS OF WORK

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

Tested interval 5343' - 5394'. Set HOWCO Pwr. at 5343'. No BHC, no WC, tool open 1 1/2 hrs., SI 30 min. Surf. pressure 1/2 psi. on 1/4" choke. Faint blow increasing to good in 6 min. No gas or fluid to surf. Rec. 180' mud one percent oil cut and 10 per cent gas cut with Sal. of 4000 ppm. and 1179' water with Sal. of 6000 ppm., 42 total units gas with 35 units Methane.

	IF	FF	SI	SH
BT	255	545	1820	2660
FD	300	700	1890	2700

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

Company **The California Co.**

Address **Rangely, Colorado**

By **M. W. Grant**

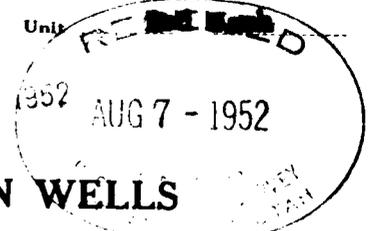
Title **Field Supt.**



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
ORIGINAL FORWARDED TO CASPER

Land Office **Salt Lake City**  
Lease No. **U-0569**  
Unit **Red Wash**



**SUNDRY NOTICES AND REPORTS ON WELLS**

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	<b>DST #9</b>

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

**Rangely, Colorado, August 2, 1952**

Well No. **17** is located **660** ft. from **N** line and **660** ft. from **E** line of sec. **20**

**Red Wash, Sec. 20**  
(2 Sec. and Sec. No.)

**T 7 S**  
(Twp.)

**R 23 E**  
(Range)

**SLEM**  
(Meridian)

**Red Wash**  
(Field)

**Uintah**  
(County or Subdivision)

**Utah**  
(State or Territory)

The elevation of the derrick floor above sea level is **5615** 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)

Tested interval **5616' - 5666'**. Set **HOWCO** packer at **5616'**. No **BHC**, no **WC**, tool open **2 hrs.**, **SI 30 min.** Good blow throughout. Gas to surf. in **70 min.** with **1/2** psi. surf. pressure on **1/2"** ch. Gas vol. insufficient to measure. Rec. **470'** high pour point oil, **170'** mud and **60%** oil cut with Sal. **300 ppm.**

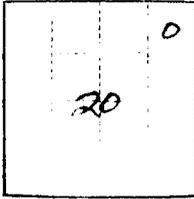
	<b>IF</b>	<b>FF</b>	<b>SI</b>	<b>HH</b>
<b>BT</b>	<b>97</b>	<b>196</b>	<b>1630</b>	<b>2850</b>
<b>FRD</b>	<b>Chart no good bomb out of calibration</b>			

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

Company **The California Co.**

Address **Rangely, Colorado**

By **M. W. Grant**  
Title **Field Supt.**



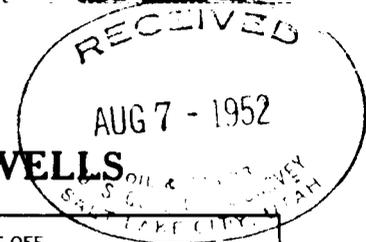
(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Salt Lake City**

Lease No. **U-0589**

Unit **Red Wash**



ORIGINAL FORM TO BE KEPT

**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	<b>DST # 10</b>

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

**Rangely, Colorado, August 4, 1952**

Well No. **17** is located **660** ft. from **N 1/8** line and **660** ft. from **E 1/4** line of sec. **20**

**Range 7, Sec. 20**  
(1/4 Sec. and Sec. No.)

**T 7 S**  
(Twp.)

**R 23 E**  
(Range)

**SLM**  
(Meridian)

**Red Wash**  
(Field)

**Uintah**  
(County or Subdivision)

**Utah**  
(State or Territory)

The elevation of the derrick floor above sea level is **5615** 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)

Tested interval **5676' - 5724'**. Set **HOWCO** packer at **5676'**. No **BHC**, no **WC**, tool open **1 hr.**, **SI**  $\frac{1}{2}$  hr. Good blow throughout with **20 psi.** on  $\frac{1}{2}$ " surf. ch. Gas to surf. in **4 min.** Gas Vol. **1058** MCFD. Rec. **95'** gas cut mud, **50 units** total gas, **42 units** methane, Sal. **300 ppm.**

	IF	FF	SI	HH
BT	10	85	2230	2785
PRD	0	0	2210	2850

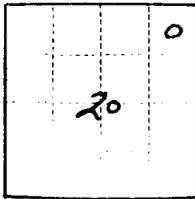
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company **The California Co.**

Address **Rangely, Colorado**

By **M. W. Grant**

Title **Field Supt.**

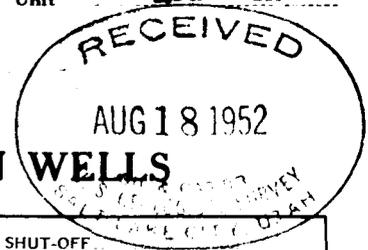


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

Land Office Salt Lake City  
Lease No. U-0569  
Unit Red Wash



SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY
NOTICE OF INTENTION TO ABANDON WELL	<b>DST #11</b>

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

Rangely, Colo.

8-6-52

, 19...

Well No. 17 is located 660 ft. from N line and 660 ft. from E line of sec. 20

NE 1/4 NE 1/4 Sec. 20  
(1/4 Sec. and 1/4 Sec. No.)

T7S  
(Twp.)

R23E  
(Range)

SL6M  
(Meridian)

Red Wash  
(Field)

Utah  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 5615 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)

Tested interval 5725' - 5732'. **HONCO** packer set at 5725' - no BHC no WC. Tool open 1-3/4 hrs. shut in 1/2 hr. Very strong blow decreasing to strong in 30 min. Surface pressure 17 psi. on 1" choke. Gas to surface in 1/4 min. Gas volume 439 MCF/D. Recovered 3821' water cut with 5% oil and salinity of 800 ppa, and 1059' water with no oil or gas with salinity 800 ppa.

	IF	FP	SI,	HH
BT	383	1305	2100	2945
PRD	510	1350	2000	2880

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

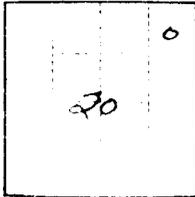
Company THE CALIFORNIA COMPANY

Address RANGELY, COLO.

*[Handwritten signature]*

By M. W. Grant

Title Field Supt.

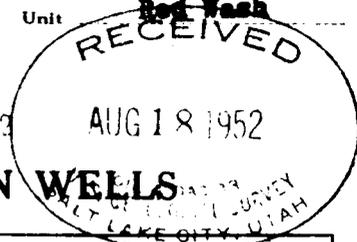


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Salt Lake City**  
Lease No. **U-0569**  
Unit **Red Wash**

ORIGINAL FORWARDED TO CASPER



**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	<b>DST #12</b> <input checked="" type="checkbox"/>

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

**Rangely, Colo.**

**8-7-52**, 19

Well No. **17** is located **660** ft. from **N** line and **660** ft. from **E** line of sec. **20**

**NE 1/4 NE 1/4 Sec. 20**  
(2 Sec. and 1 Sec. No.)

**T7S**  
(Twp.)

**R23E**  
(Range)

**SLBM**  
(Meridian)

**Red Wash**  
(Field)

**Uintah**  
(County)

**Utah**  
(State or Territory)

The elevation of the derrick floor above sea level is **5615** 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)

Tested interval **578 1/2' - 5240'**. Set **HOWCO** packer at **578 1/2'**, no **BHC** no **WC**. Tool open one hour shut in **1/2** hr. Good blow throughout test with **1 1/2"** surface pressure on **1/4"** surface choke. No gas or fluid to surface. Recovered **80'** mud with salinity of **1500 ppa.** and **2407'** water with salinity of **1100 ppa.**

	IF	FF	SI	HR
BT	260	1145	2145	2970
PRD	620	1850	2120	2900

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

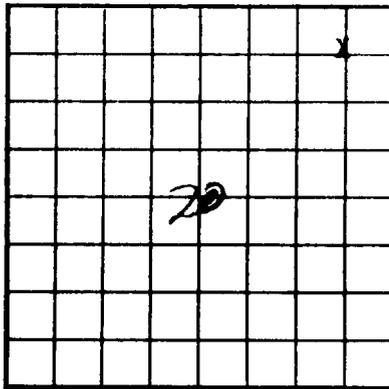
Company **THE CALIFORNIA COMPANY**

Address **RANGELY, COLORADO**

By **M. W. Grant**

Title **Field Supt.**

U. S. LAND OFFICE Salt Lake City  
SERIAL NUMBER U-0559  
LEASE OR PERMIT TO PROSPECT



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ORIGINAL COPY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company The California Company ✓ Address Langely, Colorado  
Lessor or Tract \_\_\_\_\_ Unit \_\_\_\_\_ Field Red Wash State Utah  
Well No. 17 Sec. 20 T. 7S R. 23E Meridian SLBM County Uintah  
Location 660 ft. {N.} of N. Line and 660 ft. {E.} of E. Line of Section 20 Elevation 5615'  
(Denote line relative to sea level)

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

Date 1/15/52 Signed \_\_\_\_\_ Title Field Supt.

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

Commenced drilling June 15, 1952 Finished drilling August 14, 1952

OIL OR GAS SANDS OR ZONES

(Denote gas by (G))  
No. 1, from 5086' to 5125' No. 4, from 5679' to 5684'  
No. 2, from 5613' to 5617' No. 5, from 5712' to 5727'  
No. 3, from 5640' to 5646' No. 6, from 5730' to 5733'  
5653' to 5658' 5739' to 5743'

**IMPORTANT WATER SANDS**  
No. 1, from 5750' to 5775' No. 3, from 5388' to 5891' water  
5781' to 5793' No. 4, from 5902' to 5909'  
5798' to 5814' 5925' to 5938'  
No. 2, from 5831' to 5851' No. 4, from 5965' to 5980'  
5861' to 5866' 5974' to 5980'  
5871' to 5878' 5988' to 5993'  
6006' to 6017'

CASING RECORD

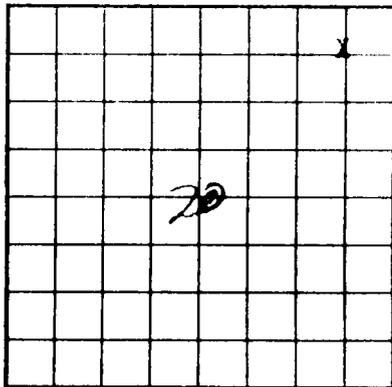
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
10-3/4"	40.5	8	Republic	495.36	Baker				
7"	23	8	Spang	5775.00	Baker	5086	5125		Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	516.44	270 sacks regular ✓	HPWOO		
7"	5795.00	200 sacks strata ✓	HPWOO		
		200 sacks 4 1/2 sacks ✓			

PLUGS AND ADAPTERS

MARK



LOCATE WELL CORRECTLY

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The California Company ✓ Address Langely, Colorado  
 Lessor or Tract \_\_\_\_\_ Unit \_\_\_\_\_ ✓ Field Red Wash State Utah  
 Well No. 17 Sec. 20 T. 7S R. 23E Meridian SLB County Uintah  
 Location 660 ft. N. of S. Line and 660 ft. E. of W. Line of Section 20 Elevation 5115'  
(Denote feet relative to sea level)

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

Date 7/15/52 Signed \_\_\_\_\_ Title Field Supt.

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

Commenced drilling June 15, 1952. Finished drilling August 14, 1952.

OIL OR GAS SANDS OR ZONES

No. 1, from	5086'	to	5125'	No. 4, from	5679'	to	5684'
No. 2, from	5613'	to	5617'	No. 5, from	5712'	to	5727'
No. 3, from	5640'	to	5646'	No. 6, from	5730'	to	5739'
	5653'	to	5658'		5739'	to	5740'

IMPORTANT WATER SANDS

No. 1, from	5750'	to	5775'	No. 3, from	5388'	to	5391'	water
	5781'	to	5793'		5902'	to	5909'	
No. 2, from	5798'	to	5814'	No. 4, from	5925'	to	5933'	
	5831'	to	5851'		5965'	to	5969'	
	5861'	to	5866'		5974'	to	5980'	
	5871'	to	5878'		5993'	to	5993'	
					6006'	to	6017'	

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From	To	
10-3/4"	40.5	8	Republic	495.36	Baker				
7"	23	8	Spang	5775.00	Baker	5086	5125		Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10-3/4"	516.44	270 sacks regular ✓	HDWGO		
7"	5795.00	200 sacks strata crete & 75 sacks neat cement, ✓	HDWGO		

PLUGS AND ADAPTERS

D MARK



FOLD MARK

7" 5795.00 200 sacks strata HOWCO  
 crete & 75 sacks  
 neat ceme

**PLUGS AND ADAPTERS**

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

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from surface feet to 6073 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

September 9, 1952 Put to producing September 9, 1952  
 The production for the first <sup>19</sup> hours was 85 barrels of fluid of which 99% was oil; \_\_\_\_\_%  
 emulsion; 1% water; and <sup>24 hrs.</sup> \_\_\_\_\_% sediment. 107 Gravity, °Bé. \_\_\_\_\_  
 If gas well, cu. ft. per 24 hours \_\_\_\_\_ Gallons gasoline per 1,000 cu. ft. of gas \_\_\_\_\_  
 Rock pressure, lbs. per sq. in. \_\_\_\_\_

**EMPLOYEES**

Chester Johns \_\_\_\_\_, Driller R. P. Grimes \_\_\_\_\_, Driller  
 Earl Bateheler \_\_\_\_\_, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
0	3540	3540	Sand and Shale
3540	3663	123	Shale
3663	4538	875	Sand and Shale
4538	4765	227	Shale and Lime
4765	5136	371	Sand and Shale
5136	5192	56	Sand and Marlstone
5192	5248	56	Marlstone and Siltstone
5248	5305	57	Sand and Siltstone
5305	5337	32	Shale
5337	5611	274	Sand and Shale
5611	5724	113	Sand, Shale and Siltstone
5724	5921	197	Sand and Shale
5921	5956	35	Sand
5956	6073	117	Sand and Shale
			<i>Tops</i>
			Green River 3154' (Spt.)
			Watch 6024' "
			" 6030' (Spt.)

FROM— TO— TOTAL FEET (OVER) LOCATION 16-42064-2

**TOOLS USED**

Rotary tools were used from surface feet to 3573 feet, and from feet to feet  
 Cable tools were used from feet to feet, and from feet to feet

**DATES**

September 9, 1952 Put to producing September 9, 1952

The production for the first 24 hours was 85 barrels of fluid of which 99% was oil; % emulsion; 1% water; and % sediment. Gravity, °Bé.

ft gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

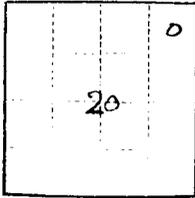
Rock pressure, lbs. per sq. in.

**EMPLOYEES**

Chester Johns, Driller R. B. Grimes, Driller  
 Earl Batchelor, Driller, Driller

**FORMATION RECORD**

FROM	TO	TOTAL FEET	FORMATION
0	3540	3540	Sand and Shale
3540	3663	123	Shale
3663	4538	875	Sand and Shale
4538	4765	227	Shale and Lime
4765	5136	371	Sand and Shale
5136	5192	56	Sand and Marlstone
5192	5248	56	Marlstone and Siltstone
5248	5305	57	Sand and Siltstone
5305	5337	32	Shale
5337	5611	274	Sand and Shale
5611	5724	113	Sand, Shale and Siltstone
5724	5921	197	Sand and Shale
5921	5956	35	Sand
5956	6073	117	Sand and Shale

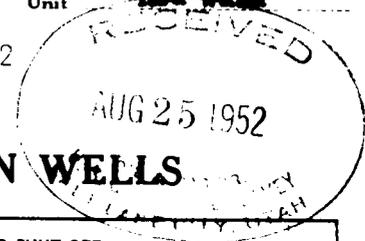


(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Salt Lake City**  
Lease No. **U-0569**  
Unit **Red Wash**

ORIGINAL FORWARDED TO CASPER



**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	<b>7<sup>th</sup> Csg. Detail</b> <span style="float: right;"><b>X</b></span>

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

**Rangely, Colorado, August 18, 1952**

Well No. **17** is located **660** ft. from **N**/**S** line and **660** ft. from **E**/**W** line of sec. **20**

**NE 1/4 NE 1/4, Sec. 20**  
(1/4 Sec. and Sec. No.)

**T 7 S**  
(Twp.)

**R 23 E**  
(Range)

**SLM**  
(Meridian)

**Red Wash**  
(Field)

**Utah**  
(County or Subdivision)

**Utah**  
(State or Territory)

The elevation of the derrick floor above sea level is **5615** 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)

Ran **145** fts. **7<sup>th</sup> OD, 2 3/4", J-55** new Spang csg. to **5795'**. Used **HOWCOO** top and bottom plug method. Baker FS and FO. Csg. cemented with **200** sacks strata crote mix followed by **75** sacks Ideal cement. Ran temperature survey and found top of cement to be **4000'**. Waiting on cement **8:50 A. M., 8-16-52**. Tested BOP and csg with **1500#** water pressure. No leaks.

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

Company **The California Co.**

Address **Rangely, Colorado**

Approved **AUG 25 1952**

*[Signature]*

By **M. W. Grant**

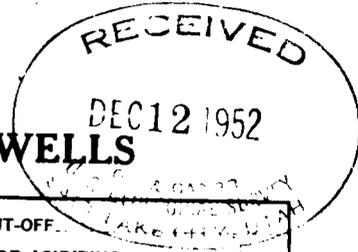
Title **Field Supt.**



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY  
ORIGINAL FOR LABELS TO COVER

Land Office **Salt Lake City**  
Lease No. **U-0569**  
Unit **Red Wash**



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Vernal, Utah, November 25, 1952

Well No. 17 is located 660 ft. from N line and 660 ft. from E line of sec. 20

NE 1/4 NE 1/4, Sec. 20  
(1/4 Sec. and Sec. No.)

T 7 S  
(Twp.)

R 23 E  
(Range)

SLEM  
(Meridian)

Red Wash  
(Field)

Uintah  
(County or Subdivision)

Utah  
(State or Territory)

The elevation of the derrick floor above sea level is 5615 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)

Intend to oil squeeze with 200 barrels Rangely crude, using three HOWCO trucks: one truck on tubing, and two on annulus.

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

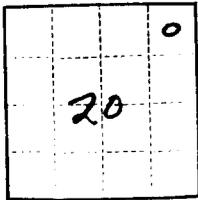
Company **The California Co.**

Address **Box 455**

**Vernal, Utah**

By **H. L. Green**

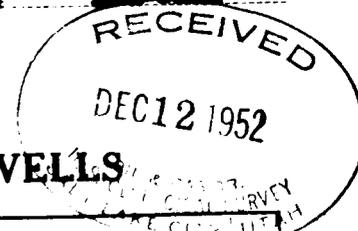
Title **Engr. In Charge**



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Salt Lake City**  
Lease No. **U-0549**  
Unit **Red Wash**



**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

**Vernal, Utah, December 9, 1952**

Well No. **17** is located **660** ft. from **N** line and **660** ft. from **E** line of sec. **20**

**NE 1/4 NE 1/4, Sec. 20**  
(1/4 Sec. and Sec. No.)

**T 7 S**  
(Twp.)

**R 23 E**  
(Range)

**SLBM**  
(Meridian)

**Red Wash**  
(Field)

**Uintah**  
(County or Subdivision)

**Utah**  
(State or Territory)

The elevation of the derrick floor above sea level is **5615** 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)

Oil squeezed with 200 bbls. Rangely crude. Three HOWCO trucks: one truck on tubing, and two on annulus. Pressures 1400 psi. on tubing - 1000 psi on casing. 45 min. to complete job. Avg. injection rate 4.5 bbls. per min. Well SI with 900 psi.

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

Company **The California Co.**

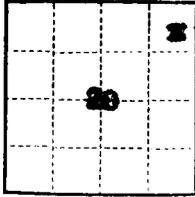
Address **Box 455**

**Vernal, Utah**

By **R. L. Green**

Title **Engr. In Charge**



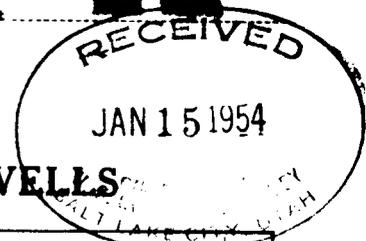


(SUBMIT IN TRIPPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

ORIGINAL FORWARDED TO CASPER

Lead Office Salt Lake City  
Lease No. 2000 1-100  
Unit Red Wash



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Vernal, Utah January 13, 1954

Well No. 17 is located 660 ft. from N line and 660 ft. from E line of sec. 20

NE 1/4 NE 1/4 Sec. 20 (1/4 Sec. and Sec. No.)  
T7S (Twp.) R23E (Range) S18M (Meridian)  
Red Wash (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation ~~of the bench floor~~ above sea level is 5615 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)

Pulled rods, pump and tubing, cleaned out to PBTD 5710'. Perforated the following intervals with 3 bullets and 3 jets per foot: 5612-13', 5639-47', 5652-64'. Using 3 Howco trucks and with Howco HM straddle packer set at 5600-65', squeezed 30 bbls. Rangely crude followed by 5 bbls. burner fuel #5. Pressure 2800#. Squeezed 2200 gal. Burner Fuel #5 mixed with 1/4 sand/gal. Inj. rate 2.5 bbls/min. Pressure 2800#. Flushed sand-oil away with 40 bbls. Rangely crude at 2700#. Inj. rate 2.5 bbls/min. Set Howco HM straddle packer at 5062-5126' and sand-oil squeezed the perforated interval 5086-5125' as follows: Squeezed 30 bbls. Rangely crude followed by 5 bbls. #5 Burner fuel Pressure 1700# to 1900#. Squeezed 3200 gal. Burner Fuel #5 mixed with 1 lb. sand/gal. at Inj. rate 3.6 bbls/min. Pressure ~~1350#~~ 1350# to 1750# flushed sand-oil away with 52 bbls. Rangely crude at avg. inj. rate of 4.0 bbls/min. Pressure 1800#. Cleaned out to PBTD 5710'. Placed well on production.

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

Company The California Company

Address P. O. Box 455

Vernal, Utah By F. L. MERRY

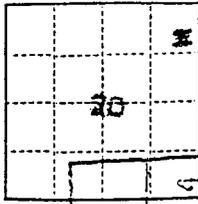
Approved JAN 15 1954 Title Field Supt.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. 1819-0569

Unit Sec. 20



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	✓	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report of perforating & sand-oil spacing	✓

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

Vernal, Utah January 11, 1954

Well No. 17 is located 660 ft. from [N] line and 660 ft. from [E] line of sec. 20

Sec. 20 (1/4 Sec. and Sec. No.) T7S (Twp.) R23E (Range) S12N (Meridian)  
Sec. 20 (Field) Utah (County or Subdivision) Utah (State or Territory)

The elevation ~~of the casing head~~ above sea level is 5515 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)

Pulled rods, pump and tubing, cleaned out to FBTD 5710'. Perforated the following intervals with 3 bullets and 3 jets per foot: 5612-18', 5635-47', 5652-66'. Using 3 Somoce trucks and with Somoce 25 straddle packer set at 5600-65', squeezed 30 bbls. Bangaly crude followed by 5 bbls. burner fuel #5. Pressure 2800#. Squeezed 2200 gal. Burner Fuel #5 mixed with 1 lb sand/gal. Inj. rate 2.5 bbls/min. Pressure 2400#. Flushed sand-oil away with 60 bbls. Bangaly crude at 2700#. Inj. rate 2.5 bbls/min. Set Somoce 25 straddle packer at 5662-5125' and sand-oil squeezed the perforated interval 5666-5125' as follows: Squeezed 30 bbls. Bangaly crude followed by 5 bbls. #5 Burner fuel Pressure 1700# to 1900#. Squeezed 3200 gal. Burner Fuel #5 mixed with 1 lb. sand/ gal. at inj. rate 3.6 bbls/min. Pressure last 1350# to 1750# Flushed sand-oil away with 52 bbls. Bangaly crude at avg. inj. rate of 4.0 bbls/min. Pressure 1300#. Cleaned out to FBTD 5710'. Placed well on production.

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

Company The California Company

Address P. O. Box 455

Vernal, Utah

By F. L. HART

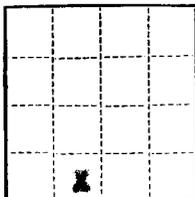
Title Field Supt.

(SUBMIT IN TRIPLICATE)

Land Office Salt Lake City

Lease No. U-021

Unit Red Wash



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

February 16, 1960

Well No. <sup>(122)</sup> ~~24-14B~~ is located ~~643~~ ft. from ~~the~~  N  S line and ~~589~~ ft. from ~~the~~  E  W line of sec. ~~14B~~ <sup>3 1/4 corner of</sup>

~~SE 1/4~~ ~~SW 1/4~~ ~~14B~~ <sup>(1/4 Sec. and Sec. No.)</sup> ~~7E~~ <sup>(Twp.)</sup> ~~23E~~ <sup>(Range)</sup> ~~S12N~~ <sup>(Meridian)</sup>

~~Red Wash~~  
(Field)

~~Utah~~  
(County or Subdivision)

~~Utah~~  
(State or Territory)

The elevation of the ~~shankline~~ <sup>Kelly Bushing</sup> above sea level is ~~5497.9~~ 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 interval with sufficient cement to reach 4000'.

- Top Green River - 2776'
- "H" Point - 4600'
- "K" Point - 5225'

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 495

Vernal, Utah

By C. V. CHATLTON

Title District Superintendent

USGS-3; OMEC-1; Gulf-1;  
Caulkins-1; JFB-04-1; File-1

RE-COMPLETION

REPORT

STANDARD OIL COMPANY OF CALIFORNIA

*OTCC*

FIELD: Red Wash

PROPERTY: Section 20B

WELL NO: 41-20B (17)

Sec. 20 T. 7S R. 23E S.L.B. & M.

Following is complete and correct record of all work done on the well since the previous record dated Sept. 10, 1952

PURPOSE OF WORK: Perforate additional sands and sand-oil frac.

DATE OF REPORT: March 13, 1961

*RD*  
BY C. V. CHATTERTON  
Supt. ~~Production~~, Producing Department

WORK DONE BY: California Production Service

COMMENCED OPERATIONS: March 6, 1960

COMPLETED OPERATIONS: March 22, 1960

DATE WELL LAST PRODUCED: March 1954

DATE RETURNED TO PRODUCTION: April 10, 1960

PRODUCTION:	PRIOR TO WORK	AFTER WORK
Oil . . . . .	_____ B/D	_____ <u>64</u> B/D
Water . . . . .	_____ B/D	_____ <u>550</u> B/D
Gas . . . . .	_____ Mcf/D	_____ <u>282</u> Mcf/D
Gravity . . . . .	_____ °API	_____ <u>19.4</u> °API
Tubing . . . . .	_____ PSIG	_____ <u>50</u> PSIG
Casing . . . . .	_____ PSIG	_____ <u>100</u> PSIG
Method of Production: Pumping . . . . .	_____	_____ <u>X</u>
Flowing . . . . .	_____	_____
Gas Lift . . . . .	_____	_____

S U M M A R Y

T.D.: 6073'

EFFECTIVE DEPTH: 5710'

CASING: 10-3/4", 40.5#, J-55 cmtd 516.44'  
7", 23#, J-55 cmtd 5795'

PERFORATIONS: 4- 1/2" bullets/ft. 5086-5125', 3 - 1/2" bullets and 3 - 1/2" jets/ft. 5612-5618', 5639-5647' and 5652-5664'

TUBING: See detail Page 4 of this report.

*39*  
*6*  
*8*  
*12*  
*65*

WELL NO: 41-20B (17)

PROPERTY: Section 20B

RED WASH FIELD

HISTORY

Subject well 41-20B (17) was completed in the H<sub>C</sub>-H<sub>G</sub> and K-K<sub>A</sub> sands of the Lower Green River formation in August 1952 for 16 B/D oil, 1 B/D water and 16 M/D gas. Well was uneconomic producer and was shut in March 1954.

It is proposed to open additional sands in the J<sub>E</sub>-J<sub>G</sub> intervals and if test indicates zone to be clean will sand-oil squeeze these sands in order to improve production.

PROGRAM

1. Move in workover rig. Fill hole with burner fuel. Pull rods and tubing. Run paraffin scraper and clean out to 5710'.
  - a. If there is considerable wax in annulus, it may be necessary to clean out with bit, circulating the long way.
2. Perforate the interval 5570-5600' with 4 super casing jets per foot using McCullough. Reference collars located at 5546.5, 5585 and 5627' Electric Log depths. Use lubricator.
3. Run Baker casing scraper to 5710'. Using wire line, set Baker retrievable bridge plug at 5605'. Run Baker full bore retainer with retrieving head for retrievable bridge plug. Set packer near 5550'. Make swab test of perforated interval 5572-5600'. Retrieve Baker retainer.
4. If fluid entry is predominantly oil, proceed to step #5. If fluid entry is predominantly water, squeeze interval 5572-5600'. Set drillable bridge plug at 5605' with wire line and using full bore retainer squeeze with cement using hesitation method until final pressure of 3000 psi is obtained. Determine amount of cement to be used by breakdown test. If 3000 psi final pressure not obtained, clear holes by one bbl, wait 4 hours and re-squeeze. Pressure annulus to 1000 psi while squeezing. Drill out cement to top of bridge plug at 5605' and test effectiveness of scab by pressure testing, using maximum rig pump pressure, and if satisfactory, drill out bridge plug.
5. Spot 1160 gallons Dowell mud acid on bottom. Displace acid out of tubing.
6. Using Braden head method, sand-oil frac entire perforated interval using 3 Allison's and one blender with 16,000 gallons B.F. #5, 36,000# 20-40 Ottawa sand and 800# (.05#/gal) Adomite.
  - a. Pump in 1000 gal w/ 2#/ gal
  - b. Pump in 1000 gal w/ 3#/ gal
  - c. Pump in 2000 gal w/ 4#/ gal
  - d. Inject 40 RCN sealers
  - e. Repeat steps a-d 3 more times, total 4 stage job, omitting balls on final stage.
  - f. Flush with 195 bbls burner fuel.

WELL NO: 41-20B (17)

PROPERTY: Section 20B

RED WASH FIELD

7. Clean out to bottom (5710').
8. Run tubing as before and land near 5500'. Run rods and place well on production.

WORK DONE

March 6, 1960

California Production Service moved pulling unit on location and rigged up.

March 8, 1960

Hot oiled down casing and tubing.

March 9, 1960

Attempting to kill well with oil.

March 10, 1960

Killed well with water. Backed rods off pump, pulled rods.

March 11, 1960

Killed well, pulled hydril tubing.

March 12, 1960

Finished stripping out rods and tubing.

March 14, 1960

Ran wax knife on 2-1/2" tubing.

March 15, 1960

Circulated hole clean.

March 16, 1960

Dowell spotted 1160 gal of mud acid on bottom, let set for 2-1/2 hrs and displaced into formation.

Dowell sand-oil squeezed down 2-1/2" x 7" annulus with 300 bbl B.F. #5, 80 nylon coated balls and 39,000# of 20-40 sand. Flushed w/165 bbl of burner fuel.

Max pressure	2500 psi
Average treating rate	30.8 BFM
Instant shut-in pressure	1000 psi

March 17, 1960

Attempted to circulate off gas.

March 18, 1960

Cleaned out frac sand 5530-5600'.

March 19, 1960

Cleaned out sand 5600-5710'.

Ran production string tubing to 4000'.

WELL NO: 41-20B (17)

PROPERTY: Section 20B

RED WASH FIELD

March 20, 1960

Finished running production string tubing, hung at 5510'.

Tubing detail:

Perf. Joint	30.55'
Pup Joint	10.20'
P.S.N.	1.10'
176 Joints 2-1/2" EUE	5452.16'
Below K.B.	15.50'
	<u>5509.51'</u>

March 21, 1960

Ran production string rods.

Rod detail:

73 plain 3/4" rods  
 68 Huber 3/4" rods  
 77 Huber 7/8" rods  
 1 - 4' Pup 7/8"

March 22, 1960

Hung well on, moved unit off location.

R. H. SELF

*any*

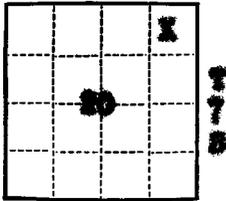
*RS*

Form 9-331a  
(Feb. 1951)

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

(SUBMIT IN TRIPLICATE)

Land Office **Salt Lake City**  
Lease No. **1-4569**  
Unit **Red Wash**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....		SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....		SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	X	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)

**Paria, Utah** **May 27**, 19**62**

Well No. **(17) 13-008** is located **660** ft. from **[N]** line and **660** ft. from **[E]** line of sec. **20**

**NE NE Section 20** **T8** **R3E** **SLM**  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)

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

The elevation of the ~~surface~~ above sea level is **5015** 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)

**Sand-water free existing perforations 5612-5641' with 18,000 gallons water and 15,000# sand.**

**Out vertical spaced patches 5572-5575', 5583-5586' and 5593-5597'. Sand-water free interval 5572-5597' with 12,000 gallons water and 9,000# sand.**

**Clean out and return to production.**

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

Company **California Oil Company, Western Division**

Address **P. O. Box 455**  
**Paria, Utah**

By **[Signature]**

Title **Division Superintendent**

**USGS, SAC-3; OREGON, SAC-1; Salt, Denver-1; Coalinga-1; LOS III-1; File-1**

		X
20		

T  
7  
S

**RECEIVED**  
(SUBMIT IN TRIPLICATE)

MAY 25 1961 UNITED STATES  
DEPARTMENT OF THE INTERIOR  
RED WASH FIELD GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-0569  
Unit Red Wash

R23E **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.....	X
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 May 18, 1961

(17)  
Well No. U-20E is located 660 ft. from {N} line and 660 ft. from {E} line of sec. 20

NE NE Section 20 7S 23E SLBM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Red Wash Uintah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~derrick floor~~ Kelly Bushing above sea level is 5615 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)

Sand-water fraced previously existing perforations 5612-5664'. Sand-oil squeezed perforations 5086-5125'.  
Cut vertical opposed notches at 5572-5575', 5583-5586', 5593-5597'. Sand-water fraced interval 5572-5597'.

Production before work: 7 B/D oil, 7 B/D water, 178 M/D gas.  
Production after work: 80 B/D oil, 20 B/D water, no gas.

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

Company California Oil Company, Western Division

Address Box 1455

Vernal, Utah

By [Signature]  
District Engineer

By E. L. GREEN

Title Division Superintendent

USGS, SLC-3; O&GCC, SLC-1; Gulf, Denver-1; Caulkins-1; Gulf, SLC-1; LCS III-1; File-2

**RECEIVED**  
DIVISION OF OIL & GAS OPERATIONS  
MAY 23 1961  
GEOLOGICAL SURVEY  
SALT LAKE CITY, UTAH

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(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office Salt Lake City  
Lease No. U-0569  
Unit Red Wash

**R23E**  
**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.....	X
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 May 18, 19 61

Well No. (17) 41-208 is located 660 ft. from {N} line and 660 ft. from {E} line of sec. 20  
NE NE Section 20 7S 23E SLM  
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)  
Red Wash Utah Utah  
(Field) (County or Subdivision) (State or Territory)

The elevation of the Kelly Basking ~~structure~~ above sea level is 5615 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)

Sand-water freed previously existing perforations 5612-5666'. Sand-oil squeezed perforations 5086-5125'.  
 Out vertical exposed notches at 5572-5575', 5583-5586', 5593-5597'. Sand-water freed interval 5572-5597'.

Production before work: 7 B/D oil, 7 B/D water, 176 M/D gas.  
 Production after work: 80 B/D oil, 20 B/D water, no gas.

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

Company California Oil Company, Western Division  
 Address Box 1455  
Vernal, Utah By R. L. GREEN

Title Division Superintendent  
 USGS, SLC-3; OROCC, SLC-1; Gulf, Denver-1; Calkins-1; Gulf, SLC-1; LOS III-1; File-2

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-0569**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

**Red Wash**

8. FARM OR LEASE NAME

9. WELL NO.

**Unit #17 (41-20B)**

10. FIELD AND POOL, OR WILDCAT

**Red Wash**

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

**Sec. 20, T7S, R23E, S1E1**

1. OIL WELL  GAS WELL  OTHER

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

**660' FWL & 660' FWL of Sec. 20, T7S, R23E, S1E1**

14. PERMIT NO.

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

**KB - 5615**

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:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

**Exclude Hc, Hd, Jc, Jd, Jg & K oil sands & expose Hg and Ka gas sands**

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 exclude the Hc, Hd, Jc, Jd, Jg & K oil sands and expose the Hg and Ka gas sands at subject well as follows:**

1. Run CBL from PBD to cement top. Perforate 5052-5060 (H<sub>40-49</sub>) w/2 jets/ft. Breakdown perfs 5052-5060 w/250 gal 15% HCl, swab back spent acid water and test interval for capacity. If productive place well on prod. If wet exclude w/cement. If tight proceed w/step #2.
2. Pump into perfs 5639-47 (K<sub>20-39</sub>) and 5652-64 (K<sub>40-79</sub>) to check csg blank 5618-39. Cement squeeze perfs 5639-47 and 5652-64 w/150 sacks cement. Repeat procedure for cement squeezing perfs 5612-18 (J<sub>g</sub>) and vertical notches at 5572-75, 5583-86 and 5593-97 together in second stage, and for perforations 5086-5125 (H<sub>g</sub> & H<sub>d</sub>) in third stage.
3. Perforate interval 5675-5688 (K<sub>400</sub> & K<sub>430</sub>) w/2 jets/ft.
4. Test excluded perfs, if squeezes held - breakdown perfs 5675-5688 (K<sub>400</sub> & K<sub>430</sub>) w/250 gal 15% HCl. Swab back spent acid water and test interval for capacity.
5. RII w/prod. string and swab well in as a gas producer.

**Present Production: Shut-in May, 1967.**

18. I hereby certify, Original Signed by true and correct

SIGNED **R. W. PATTERSON**

TITLE **Unit Superintendent**

DATE **February 5, 1971**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

USGS, SLC-3; O&GCC, SLC-2, Gulf, Okla.City-1; Gulf, Casper-1; Caulkins-1; Humble-Denver-1; File-1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R3555.

5. LEASE DESIGNATION AND SERIAL NO.

U-0569

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Red Wash

8. FARM OR LEASE NAME

9. WELL NO.

Unit #17 (61-208)

10. FIELD AND POOL, OR WILDCAT

Red Wash

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

Sec. 20, T7S, R23E, S1E4

12. COUNTY OR PARISH

Uinta

13. STATE

Utah

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 19. SLEV. CASING HEAD

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

29. LINER RECORD 30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

33.\* PRODUCTION

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED Original Signed by R. W. PATTERSON TITLE Unit Superintendent DATE 7/13/71

SIGNED R. W. PATTERSON TITLE Unit Superintendent DATE 7/13/71

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)\*  
At surface **660' FNL & 660' FNL of Section 20, T7S, R23E, S1E4**  
At top prod. interval reported below  
At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED **2-21-71** 16. DATE T.D. REACHED **3-11-71** 17. DATE COMPL. (Ready to prod.) **KB - 5615** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) **KB - 5615** 19. SLEV. CASING HEAD

20. TOTAL DEPTH, MD & TVD **6072'** 21. PLUG, BACK T.D., MD & TVD **5710'** 22. IF MULTIPLE COMPL., HOW MANY\* **→** 23. INTERVALS DRILLED BY ROTARY TOOLS **→** CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**CEL - CR** 25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

29. LINER RECORD 30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

33.\* PRODUCTION

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS

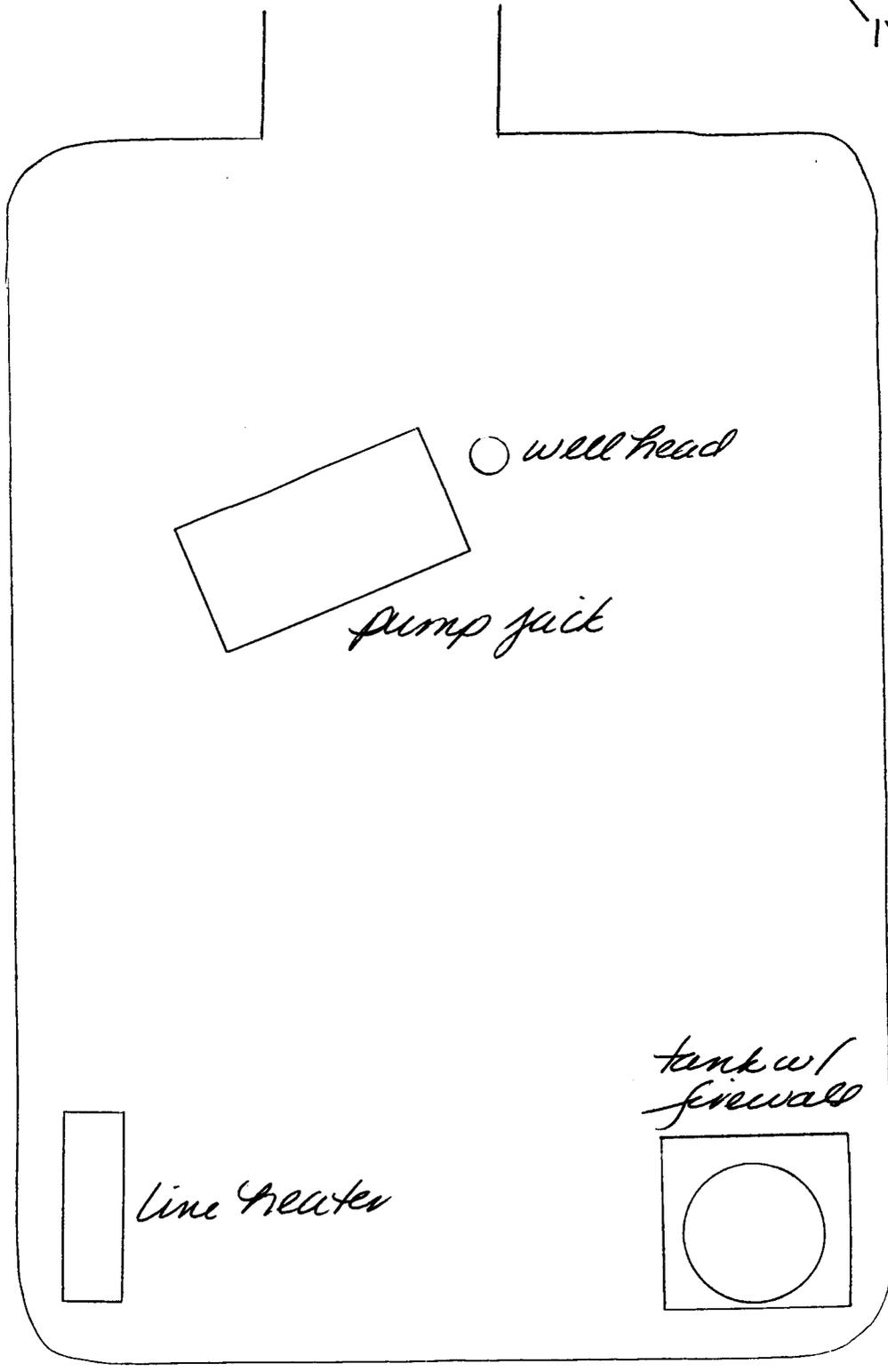
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Original Signed by R. W. PATTERSON TITLE Unit Superintendent DATE 7/13/71

SIGNED R. W. PATTERSON TITLE Unit Superintendent DATE 7/13/71

\*(See Instructions and Spaces for Additional Data on Reverse Side)

AWU17 41-20B Sec 20, T30, 23E @hubl 14 Sept 88



○ well head  
pump jack

line heater

tank w/  
firewall

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved,  
Budget Bureau No. 42-R355.8.

5. LEASE DESIGNATION AND SERIAL NO.  
**U-0569**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME  
**Red Wash**

8. FARM OR LEASE NAME

9. WELL NO.  
**Unit #17 (41-20B)**

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

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA  
**Sec. 20, T7S, R23E, S18M**

12. COUNTY OR PARISH  
**Uintah**

13. STATE  
**Utah**

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1A. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

5. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. LEVLR.  Other \_\_\_\_\_

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)\*  
At surface **660' FNL & 660' FEL of Section 20, T7S, R23E, S18M**  
At top prod. interval reported below  
At total depth \_\_\_\_\_

14. PERMIT NO. **4304715146** DATE ISSUED \_\_\_\_\_

15. DATE SPUNDED **2-21-71** 16. DATE T.D. REACHED \_\_\_\_\_ 17. DATE COMPL. (Ready to prod.) **3-11-71** 18. ELEVATIONS (OF. HEB. RT. OR, ETC.)\* **KB - 5615** 19. ELEV. CASINGHEAD \_\_\_\_\_

20. TOTAL DEPTH, MD & TVD **6072'** 21. PLUG, BACK T.D. MD & TVD **5710'** 22. IF MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_ 23. INTERVALS DRILLED BY \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**CSL - CR**

26. TYPE ELECTRIC AND OTHER LOGS RUN \_\_\_\_\_

25. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
See original completion report dated			<b>9-10-52</b>		

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
<b>2 7/8"</b>	<b>4953.76</b>	

31. PERFORATION RECORD (Interval, size and number)  
**See Reverse Side**

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
<b>5052-50</b>	<b>4 jets/ft. Acidized w/ 250 gals 15% HCL. Imperforated w/ 2 jets/ft. Interval: 5052-58. Acidized w/ 250 gal 15% HCL.</b>

33. PRODUCTION

DATE FIRST PRODUCTION \_\_\_\_\_ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  
**Well temporarily abandoned.**

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—GAL.	WELL STATUS (Production)

24. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) \_\_\_\_\_

35. LIST OF ATTACHMENTS \_\_\_\_\_

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.  
Original Signed by \_\_\_\_\_  
SIGNED **R. W. PATTERSON** TITLE **Unit Superintendent** DATE **7/13/71**

(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

OK C. 2  
9-1-71  
pac

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24 above.)

(See instruction on page 2 for instructions on use of this form)

**37. SUMMARY OF POROUS ZONES:**  
 SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
<p><b>SEE ORIGINAL COMPLETION REPORT DATED 9-10-52.</b></p> <p><b>31. PERFORATION RECORD</b></p> <p>4 omega jets/ft at 5052-5060 (JH40-49) reperforated w/ 2 omega jets/ft at 5052-5058, 2 omega jets/ft at 5675-5688 (KA00 &amp; KA30), 4 - 1/2" bullets and 4 jets/ft at 5086-5125 (JH &amp; JH), 3 - 1/2" bullets and 3 super cgs jets/ft at 5612-16 (JG), 5639-47 (K20-39), and 5652-64 (K40-79). Vertical opposed notches from 5572-75 (JC80-90), 5589-86 (JG00-50) and 5593-97 (JH70-99)</p>			

**38. GEOLOGIC MARKERS**

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
<p><b>32. ACID, SIDC, FRACTURE, CEMENT SQUEEZE.</b></p>		
5675-88	2 jets/ft.	B/D w/ lease water. Acidized w/ 250 gal 15% HCl.
5052-60 & 5086-5125		Cement squeezed w/ 373 sack Type G cement.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Designation and Serial No.  
**U-0569**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**RWU #17 (41-20B)**

9. API Well No.  
**43-047-31819 15146**

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

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

**SUBMIT IN TRIPLICATE**

1. Type of Well  
Oil  Gas   
 Well  Well  Other

2. Name of Operator  
**Chevron U.S.A. Inc.**

3. Address and Telephone No.  
**P.O. Box 455, Vernal, Utah 84078 (801) 789-2442**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**660' FNL, 660' FEL, SEC. 20-T7S-R21E 23E**

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>Well Stimulation</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.)

The following work was completed on 05/04/93:

- MIRU
- Pump 15 drums P-38 and 2,000 gal. #1 diesel down annulus.
- Pump 8,500 SCF N<sub>2</sub> down annulus.
- Shut-in well for 24 hrs.
- RTP.

**RECEIVED**

JUN 11 1993

DIVISION OF  
OIL GAS & MINING

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

Signed

*Dana Hough*

Title

*Oper. Assistant*

Date

06/08/93

(This space for Federal or State office use)

Approved by:

Title

Date

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FILE COPY

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

2. Name of Operator  
Chevron U.S.A. Inc.

3. Address and Telephone No.  
P.O. Box 455, Vernal, Utah 84078 (801) 789-2442

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
660' FNL, 660' FEL, SEC. 20-T7S-R21E

5. Lease Designation and Serial No.  
U-0569

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
RWU #17 (41-20B)

9. API Well No.  
43-047-31819

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

11. County or Parish, State  
Uintah, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Ahering Casing
	<input checked="" type="checkbox"/> Other: <u>Well Stimulation</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: Submit results of multiple operations on Well Completion or Submission 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.)

The following work was completed on 05/04/93:

- MIRU
- Pump 15 drums P-38 and 2,000 gal. #1 diesel down annulus.
- Pump 8,500 SCF N<sub>2</sub> down annulus.
- Shut-in well for 24 hrs.
- RTP.

RECEIVED  
JUN 13 1993

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

Signed: Diana Hough

Title: Oper Assistant

Date: 06/08/93

(This space for Federal Use Only)  
**NOTED**

Approved by:

Title

Date

JUL 1 1993

Conditions of approval, if any:

**RED WASH UNIT #17  
UINTAH COUNTY, UTAH**

**ATTACHMENT H**

WATER ANALYSIS REPORT

Company: Chevron USA, Inc.

Sampling Date: 29-Jan-96  
 Analysis Date: 15-Feb-96  
 Sample ID: 1351

Sample Source  
 Lease: Red Wash  
 Well: Central Battery  
 Sample Pt: WIS Pump Suction

Submitted by: Campbell R L  
 Sampled by: Campbell R L  
 Chem. Treatment:  
 Sample Condition:

ANALYTICAL RESULTS

pH at the time of sampling: 8.50  
 pH at the time of analysis: 8.50  
 Density: 1.007  
 Hydrogen Sulfide (H2S):  
 TDS: Calculated 9996.8 mg/L

CONSTITUENT	mg/L	meq/L	method	comments	
<b>ANIONS</b>					
*Bicarbonate	HCO3-	3170.0	51.95	FIA	
Boron	B(OH)4-	59.5	.75	ICP	
*Carbonate	CO3--	624.0	20.80	FIA	
*Chloride	Cl-	2720.0	76.72	FIA	
Phosphate	PO4---	.0	.00	ICP	DL=2.02
*Sulfate	SO4--	48.0	1.00	FIA	
SUM OF ANIONS=			151.23		
<b>CATIONS</b>					
Aluminum	Al+++	16.7	1.86	ICP	
*Barium	Ba++	.0	.00	ICP	DL=2.02
*Calcium	Ca++	5.7	.28	ICP	
Chromium	Cr+++	.0	.00	ICP	DL=10.1
Copper	Cu++	.0	.00	ICP	DL=2.02
*Iron	Fe++	.0	.00	ICP	DL=2.02
Lead	Pb++	.0	.00	ICP	DL=10.1
Lithium	Li+	.0	.00	N.A.	
*Magnesium	Mg++	.0	.00	ICP	DL=2.02
Manganese	Mn++	.0	.00	ICP	DL=2.02
Nickel	Ni++	.0	.00	ICP	DL=2.02
Potassium	K+	21.2	.54	ICP	
Silica	SiO2	44.7	.00	ICP	
*Sodium	Na+	3287.0	142.98	ICP	
*Strontium	Sr++	.0	.00	ICP	DL=2.02
Vanadium	V++	.0	.00	N.A.	
SUM OF CATIONS=			145.66		
Ratio of ANIONS:CATIONS			1.04		

SATURATION INDEX TABLE

Sample ID: 1351  
 pH (at 25.0 deg C): 8.50

Temperature		Scale Component				
deg F	deg C	CaCO3 (Calcite)	CaSO4 (Anhydrite)	CaSO4*2H2O (Gypsum)	SrSO4 (Celestite)	BaSO4 (Barite)
32.00	.00	.853	-4.472	-3.654	-97.664	-93.886
68.00	20.00	.794	-4.244	-3.754	-97.681	-94.215
77.00	25.00	.779	-4.190	-3.768	-97.677	-94.292
104.00	40.00	.737	-4.034	-3.791	-97.649	-94.511
140.00	60.00	.700	-3.837	-3.797	-97.586	-94.781
176.00	80.00	.708	-3.651	-3.791	-97.505	-95.030
212.00	100.00	.768	-3.466	-3.781	-97.416	-95.263

S.I.=SATURATION INDEX

S.I.=log(Product of activities of component ions/Ksp)

- S.I. less than 0            The water is undersaturated and indicates a non-scaling situation.
- S.I. near or equal to 0    The water is saturated and scale formation is likely.
- S.I. greater than 0        The water is supersaturated and favors scale formation.

POSSIBLE SCALE FORMATION

Temperature		Scale Component (mg/1000 g H2O)				
deg F	deg C	CaCO3 (Calcite)	CaSO4 (Anhydrite)	CaSO4*2H2O (Gypsum)	SrSO4 (Celestite)	BaSO4 (Barite)
32.00	.00	12.	0.	0.	0.	0.
68.00	20.00	12.	0.	0.	0.	0.
77.00	25.00	12.	0.	0.	0.	0.
104.00	40.00	12.	0.	0.	0.	0.
140.00	60.00	11.	0.	0.	0.	0.
176.00	80.00	11.	0.	0.	0.	0.
212.00	100.00	12.	0.	0.	0.	0.

The POSSIBLE SCALE FORMATION predicts the maximum amount of any one scale component that could precipitate from the water as analyzed. As precipitation progresses, these predictions become less accurate.

To estimate the POSSIBLE SCALE FORMATION in lbs/1000 barrels (US 42 gal) use the following:

$$\text{APPROXIMATE lbs/1000 barrels} = (\text{mg/1000g H2O}) \times 0.35$$

**RED WASH UNIT #17  
UINTAH COUNTY, UTAH**

**ATTACHMENT L**

## **RWU #17: CONVERSION TO INJECTION PROCEDURE**

1. MIRU. HOT OIL WELL AS NEEDED. TOH AND LD RODS AND PUMP.
2. ND WH AND NU BOPE. RELEASE TUBING ANCHOR AND TOH.
3. CLEAN OUT TO PBSD. TOH AND LD BARE TUBING.
4. TIH WITH RETRIEVABLE TANDEM PACKERS SPACED TO EXCLUDE Hb AND Hc/Hd PERFORATIONS FROM THE TARGET INJECTION INTERVAL. CIRCULATE CORROSION INHIBITED PACKER FLUID AND DIESEL FREEZE BLANKET. SET PACKERS AT ~5000' AND ~5175'. NOTE - TUBING SIZE (2-3/8" OR 2-7/8") WILL DEPEND UPON IDLE EQUIPMENT INVENTORY AT TIME OF CONVERSION. ALL EQUIPMENT WILL BE INTERNALLY COATED.
5. ND BOPE AND NU WH. CONDUCT MECHANICAL INTEGRITY TEST (ANNULUS PRESSURE OF 1000 PSI WITH NO MORE THAN 10% LOSS IN 15 MIN). RECORD ON CHART.
6. RDMO.
7. RU WIRELINE UNIT AND RUN PRESSURE BOMB TO DETERMINE STATIC BOTTOM HOLE PRESSURE. RD WIRELINE.
8. TWOTP. INJECTION WILL COMMENCE FOLLOWING COMPLETION OF INJECTION FLOWLINE, METER RUN INSTALLATION AND EPA AUTHORIZATION IN INJECT.

**RED WASH UNIT #17  
UINTAH COUNTY, UTAH**

**ATTACHMENT M**

# PROPOSED WELLBORE DIAGRAM

WELL: RED WASH UNIT#17  
 LOCATION: 660' FNL & 660' FEL  
 NENE-SEC. 20-T7S-R23E  
 UINTAH COUNTY, UTAH

KBE: 5618'  
 GLE: 5607'  
 TD: 6072'  
 PBTD: 5710'

LEASE: U-0569  
 API #: 43-047-15146

**SURFACE HOLE & CASING:**

HOLE SIZE: 13-3/4"  
 CSG. TYPE & SIZE: 10-3/4" 40.5# J-55  
 SETTING DEPTH: 516'  
 CEMENT: 270 SX REGULAR  
 CEMENT TOP: SURFACE

TUBING DETAIL:  
 2 7/8" 6.5# J-55 -or-  
 2 3/8" 4.7# J-55

**GEOLOGIC MARKERS:**

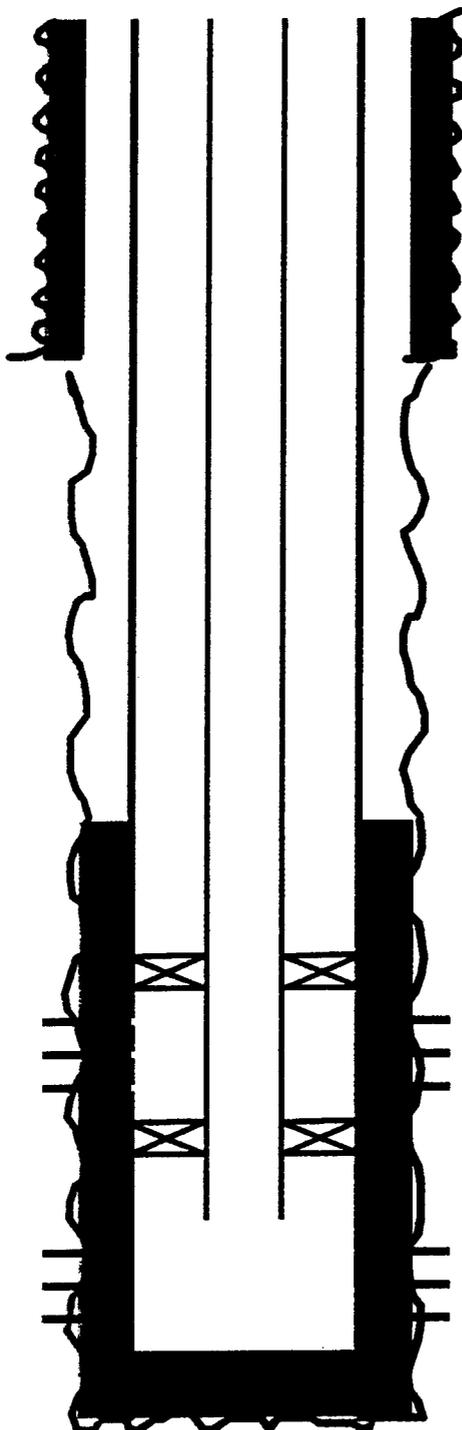
UINTA: SURFACE  
 GREEN RIVER: 3150'  
 OIL SHALE: 3865-3950'  
 TARGET INTERVAL: 5572-5688'

ORIGINAL TOC @ 3746'

PACKER #1 SET @ 5000'

PACKER #2 SET @ 5175'

PBTD: 5710'  
 TD: 6072'



**PERFORATIONS:**

5052-58'	Hb	EXCLUDED
5058-60'	Hb	EXCLUDED
5088-5125'	Hc/Hd	EXCLUDED
5572-75'	Jd	OPEN
5583-86'	Je	OPEN
5593-97'	Je	OPEN
5812-18'	Jg	OPEN
5839-47'	K	OPEN
5852-84'	K40	OPEN
5675-88'	Ka	OPEN

**PRODUCTION HOLE AND CASING:**

HOLE SIZE: 9"  
 CSG. TYPE & SIZE: 7" 23# J-55  
 SETTING DEPTH: 5795'  
 CEMENT: 275 SX STRATACRETE

**RED WASH UNIT #17  
UINTAH COUNTY, UTAH**

**ATTACHMENT Q**

# P & A PLAN WELLBORE DIAGRAM

WELL: RED WASH UNIT #17  
 LOCATION: 660' FNL & 660' FEL  
 NENE-SEC. 20-T7S-R23E  
 UINTAH COUNTY, UTAH

LEASE: U-0569  
 API #: 43-047-15146

PLUG #4: SURFACE PLUG  
 PERFORATE @ 300' AND  
 CIRCULATE 142.81 SX CLASS H  
 CEMENT TO SURFACE.  
 TOP @ SURFACE  
 BOTTOM @ 300'

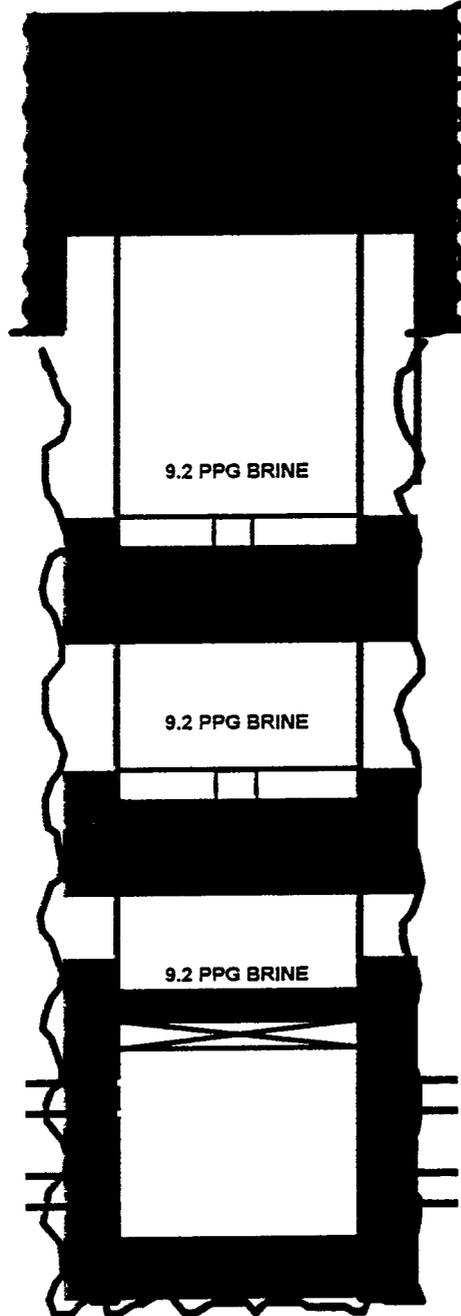
ORIGINAL TOC @ 3746'

PLUG #3: GREEN RIVER PLUG  
 PERFORATE @ 3200' & SET  
 CICR @ 3100'. SQUEEZE 37.31  
 SX CLASS H CEMENT UNDER CICR.  
 TOP @ 3100'  
 BOTTOM @ 3200'

PLUG#2: OIL SHALE PLUG  
 PERFORATE AT 4000' & SET  
 CICR @ 3815'. SQUEEZE  
 66.03 SX CLASS H CEMENT  
 UNDER CICR.  
 TOP @ 3815'  
 BOTTOM @ 4000'

PLUG #1: CIBP @ 5000'  
 DUMP-BAIL 35' CLASS H  
 CEMENT ON CIBP  
 TOP @ 4965'  
 BOTTOM @ 5000'

PBTD: 5710'  
 TD: 6072'



KBE: 5613'  
 GLE: 5607'  
 TD: 6072'  
 PBTD: 5710'

## SURFACE HOLE & CASING:

HOLE SIZE: 13-3/4"  
 CSG. TYPE & SIZE: 10-3/4" 40.5# J-55  
 SETTING DEPTH: 516'  
 CEMENT: 270 SX REGULAR  
 CEMENT TOP: SURFACE

## GEOLOGIC MARKERS:

UINTA: SURFACE  
 GREEN RIVER: 3150'  
 OIL SHALE: 3865-3950'  
 TARGET INTERVAL: 5572-5688'  
 WASATCH: 6024'

## PERFORATIONS:

5052-58'	Hb
5058-60'	Hb
5086-5125'	Hc/Hd
5572-75'	Jd
5583-86'	Je
5593-97'	Je
5612-18'	Jg
5639-47'	K
5652-64'	K40
5675-88'	Ka

## PRODUCTION HOLE AND CASING:

HOLE SIZE: 9"  
 CSG. TYPE & SIZE: 7" 23# J-55  
 SETTING DEPTH: 5795'  
 CEMENT: 275 SX STRATACRETE

## RWU #17: PLUGGING PROCEDURE

1. MIRU. ND WH AND NU BOPE.
2. RELEASE PACKER, TOH AND RIH WITH INTERNALLY COATED INJECTION STRING.
3. POH BIT, SCRAPER AND WORKSTRING. CLEAN OUT TO ~5015'.
4. PLUG #1: SET CIBP @ 5000' AND DUMP-BAIL 35' (7.30 SX) CLASS H CEMENT ON THE SAME. DISPLACE WELL WITH 9.2 PPG BRINE TO ~3130'.
5. PLUG #2 (OIL SHALE 3865-3950'): PERFORATE @ 4000' AND SET CICR @ 3815'. SQUEEZE 66.03 SX CLASS H CEMENT UNDER CICR, STING-OUT OF CICR AND CIRCULATE CLEAN. DISPLACE WELL VOLUME ABOVE CICR WITH 9.2 PPG BRINE TO ~3080'.
6. PLUG #3 (GREEN RIVER 3150'): PERFORATE @ 3200' AND SET CICR @ 3100'. SQUEEZE 37.31 SX CLASS H CEMENT UNDER CICR, STING-OUT OF CICR AND CIRCULATE CLEAN. DISPLACE WELL VOLUME ABOVE CICR WITH 9.2 PPG BRINE TO SURFACE.
7. PLUG #4 (SURFACE CASING PLUG): TOP OF CEMENT @ 3746'. PERFORATE @ 300' AND PUMP 142.81 SX CLASS H CEMENT. CIRCULATE TO SURFACE.
8. CUT OFF WH AND INSTALL DRY HOLE MARKER.
9. RDMO. NOTIFY OPERATIONS TO REHAB LOCATION.

**RED WASH UNIT #17  
UINTAH COUNTY, UTAH**

**ATTACHMENT I**

INJECTION WELL INVENTORY  
 RED WASATCH UNIT  
 UINTAH COUNTY, UTAH

WELL	LOCATION	API #	EPA ID #
#100A (43-21A)	NESE-21-7S-22E	43-047-15219	UT02463
#102 (41-24A)	SENE-24-7S-22E	43-047-15221	UT02406
#11 (34-27B)	SWSE-27-7S-23E	43-047-15142	UT02395
#14 (14-13B)	SWSW-13-7S-23E	43-047-15144	UT02396
#148 (13-22B)	NWSW-22-7S-23E	43-047-15261	UT02407
#156 (23-15B)	NESW-15-7S-23E	43-047-15267	UT02409
#173 (21-21B)	NENW-21-7S-23E	43-047-16496	UT02439
#174 (21-20B)	NENW-20-7S-23E	43-047-15281	UT02411
#182 (14-21B)	SWSW-21-7S-23E	43-047-16497	UT02440
#183 (33-13B)	NWSE-13-7S-23E	43-047-15289	UT02412
#185 (41-14B)	NENE-14-7S-23E	43-047-16498	UT02441
#199 (43-22A)	NESE-22-7S-22E	43-047-15301	UT02414
#2 (14-24B)	SWSW-24-7S-23E	43-047-16472	UT02416
#213 (41-33B)	NENE-33-7S-23E	43-047-20060	UT02444
#216 (21-27A)	NENW-27-7S-22E	43-047-30103	UT02446
#23 (21-23B)	NENW-23-7S-23E	43-047-15151	UT02397
#25 (23-23B)	NESW-23-7S-23E	43-047-16476	UT02420
#264 (31-35B)	NWNE-35-7S-23E	43-047-30519	UT02449
#275 (31-26B)	NWNE-26-7S-23E	43-047-31077	UT02455
#279 (11-36B)	NWNW-36-7S-23E	43-047-31052	UT02453
#34 (23-14B)	NWSW-14-7S-23E	43-047-15161	UT02398
#56 (41-28B)	NENE-28-7S-23E	43-047-15182	UT02400
#59 (12-24B)	SWNW-24-7S-23E	43-047-16477	UT02421
#6 (41-21B)	NENE-21-7S-23E	43-047-16482	UT02426
#61 (12-27A)	SWNW-27-7S-22E	43-047-16478	UT02422
#7 (41-27B)	NENE-27-7S-23E	43-047-15205	UT02417
#88 (23-18B)	NESW-18-7S-23E	43-047-15210	UT02404
#91 (33-22B)	NWSE-22-7S-22E	43-047-16479	UT02423
#93 (43-27B)	NESE-27-7S-23E	43-047-16480	UT02424
#271 (42-35B)	SENE-35-7S-22E	43-047-31081	UT02458
#281 (11-25B)	NWNW-25-7S-23E	43-047-31078	UT02456
#134 (14-28B)	SWSW-23-7S-23E	43-047-16489	UT02433
#139 (43-29B)	NESE-29-7S-23E	43-047-16490	UT02434
#150 (31-22B)	NWNE-22-7S-23E	43-047-15263	UT02408
#16 (43-28B)	NESE-28-7S-23E	43-047-16475	UT02419
#161 (14-20B)	SWSW-20-7S-23E	43-047-15271	UT02410
#170 (41-15B)	NENE-15-7S-23E	43-047-16495	UT02438
#202 (21-34A)	NENW-34-7S-22E	43-047-15303	UT02415
#215 (43-28A)	NESE-28-7S-22E	43-047-30058	UT02445
#263 (24-26B)	SESW-26-7S-23E	43-047-30518	UT02448
#265 (44-26B)	SESE-26-7S-23E	43-047-30520	UT02450
#266 (33-26B)	NWSE-26-7S-23E	43-047-30521	UT02451
#269 (13-26B)	NWSW-26-7S-23E	43-047-30522	UT02452
#48 (32-19B)	SWNE-19-7S-23E	43-047-15174	UT02399
#60 (43-30B)	NESE-30-7S-23E	43-047-15184	UT02401
#63 (41-13B)	NENE-13-7S-23E	43-047-16485	UT02429
#97 (23-18C)	NESW-18-7S-24E	43-047-15216	UT02405

INJECTION WELL INVENTORY  
WONSITS VALLEY FEDERAL UNIT  
UINTAH COUNTY, UTAH

WELL	LOCATION	API#	EPA ID#
SC #12-23	NESE-23-3S-21E	43-047-20203	UT02367
WVFU #126	NWNE-21-3S-21E	43-047-30796	UT02509
WVFU #140	NWNW-15-3S-21E	43-047-31707	UT03508
WVFU #143	NWSE-10-3S-21E	43-047-31808	UT03509
WVFU #16	NENE-15-3S-21E	43-047-15447	UT02469
WVFU #21	NENE-16-3S-21E	43-047-15452	UT02471
WVFU #28-2	NESW-11-3S-21E	43-047-31524	UT02510
WVFU #31	NENW-14-3S-21E	43-047-15460	UT02394
WVFU #36	NESW-10-3S-21E	43-047-15464	UT02479
WVFU #40-2	NESE-10-3S-21E	43-047-31798	UT02511
WVFU #41	NENW-15-3S-21E	43-047-15496	UT02483
WVFU #59	SWNW-14-3S-21E	43-047-20018	UT03505
WVFU #60	SWSE-15-3S-21E	43-047-20019	UT03506
WVFU #67	NESW-15-3S-21E	43-047-20043	UT02497
WVFU #68	NESE-15-3S-21E	43-047-20047	UT02498
WVFU #71-2	SWSW-15-3S-21E	43-047-32449	UT2712-03777
WVFU #72	SWSW-16-3S-21E	43-047-20058	UT02501
WVFU #73	NESE-16-3S-21E	43-047-20066	UT02502
WVFU #78	NESW-16-3S-21E	43-047-20115	UT02504
WVFU #9	NESE-12-3S-21E	43-047-15440	UT02466
WVFU #50	SWNE-15-3S-21E	43-047-15477	UT03504
WVFU #52	NENE-13-3S-21E	43-047-15479	UT02460
WVFU #61	NENW-18-3S-22E	43-047-20023	UT02495
WVFU #66	SWSE-14-3S-21E	43-047-20042	UT03098
WVFU #120	NENW-22-3S-21E	43-047-32462	UT2770-04264

INJECTION WELL INVENTORY  
GYPSUM HILLS UNIT  
UINTAH COUNTY, UTAH

WELL	LOCATION	API #	EPA ID #	WELL STATUS
COSTAS FED #1-20-4B	NESW-20-8S-21E	43-047-31006	UT2728-03792	AC
COSTAS FED #2-20-3B	NESE-20-8S-21E	43-047-31066	UT03722	AC
COSTAS FED #3-21-1D	SWNW-21-8S-21E	43-047-31604	UT02714	AC
GHU #10	NWSE-21-8S-20E	43-047-32306	UT03721	AC
GHU #12	NESE-19-8S-21E	43-047-32458	UT2727-03794	AC
GHU #3	NENE-20-8S-21E	43-047-20002	UT2759-04241	AC
GHU #6	NENW-20-8S-21E	43-047-30099	UT2760-04242	AC
GHU #8-I	SWNE-20-8S-21E	43-047-31932	UT02715	AC

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

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF CHEVRON	:	ACTION
USA, INC. FOR ADMINISTRATIVE	:	
APPROVAL OF THE RED WASH 17,	:	CAUSE NO. UIC-186
52 AND 258 WELLS LOCATED IN	:	
SECTIONS 20, 18 AND 22,	:	
TOWNSHIP 7 SOUTH, RANGE 22	:	
AND 23 EAST, S.L.M., UINTAH	:	
COUNTY, UTAH, AS CLASS II	:	
INJECTION WELLS	:	

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

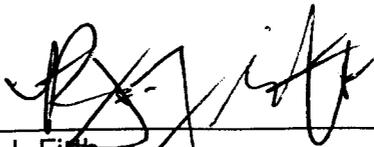
Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Chevron USA, Inc. for administrative approval of the Red Wash 17, 52 and 258 wells, located in Sections 20, 18 and 22, Township 7 South, Range 22 and 23 East, S.L.M., Uintah County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 5507 feet to 5714 feet (Green River Formation) will be selectively perforated for water injection. The maximum injection pressure will be limited for each individual well based on perforation depth and submittal fracture pressure information.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 16th day of December 1996.

STATE OF UTAH  
DIVISION OF OIL, GAS & MINING

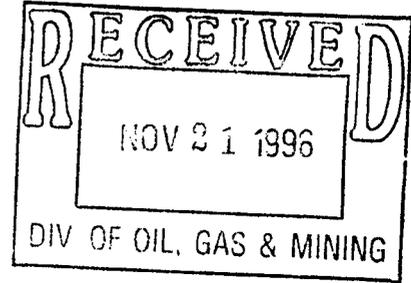
  
\_\_\_\_\_  
R. J. Firth  
Associate Director, Oil & Gas

1917

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**APPLICATION FOR INJECTION WELL - UIC FORM 1**

OPERATOR: **CHEVRON USA PRODUCTION CO., INC.**  
ADDRESS: **11002 EAST 17500 SOUTH**  
**VERNAL, UT 84078-8526**  
**(801) 781-4300**



WELL NAME AND NUMBER:	<b>RED WASH UNIT #17 (41-20B)</b>		
FIELD OR UNIT NAME:	<b>RED WASH UNIT</b>		
WELL LOCATION:	<b>NENE-SEC. 20-T7S-R23E, SLBM</b>		
Is this application for expansion of an existing project?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Will the proposed well be used for:	Enhanced Recovery?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
	Disposal?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
	Storage?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is this application for a new well to be drilled?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
If this application is for an existing well, has a casing test been performed on the well?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
	Date of test:	<b>Other than routine workover tests, none</b>	
	API Number:	<b>43-047-15146</b>	
Proposed Injection Interval:	from <b>5572'</b> to <b>5688'</b>		
Proposed maximum injection:	Rate <b>1000</b>	Pressure <b>1917</b>	psig
Proposed injection zone contains <input checked="" type="checkbox"/> oil, <input checked="" type="checkbox"/> gas and/or <input type="checkbox"/> fresh water within 1/2 mile of the well.			
<div style="border: 1px solid black; padding: 5px;"> <b>IMPORTANT: Additional information as required by R649-5-2 should accompany this form.</b> </div>			
List of Attachments:	<b>Area UIC Permit Application package as submitted to United States Environmental Protection Agency.</b>		
I certify that this report is true and complete to the best of my knowledge.			
Name:	<b>J. T. Conley</b>	Signature	
Title:	<b>Red Wash Asset Team Leader</b>	Date	<b>11-20-96</b>
Phone No.	<b>(801)781-4301</b>		
(State use only)			
Application approved by	_____	Title	_____
Approval Date	_____		

Form <b>4</b> UIC	UNITED STATES ENVIRONMENTAL PROTECTION AGENCY <b>UNDERGROUND INJECTION CONTROL PERMIT APPLICATION</b> <i>(Collected under the authority of the Safe Drinking Water Act, Section 1421, 1422, 40 CFR 144)</i>	I. I.D. NUMBER U
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READ ATTACHED INSTRUCTION BEFORE STARTING FOR OFFICIAL USE ONLY

Application approved mo day year	Date Received mo day year	Permit / Well Number	Comments

II. NAME AND ADDRESS OF FACILITY  Facility Name  <b>Red Wash Unit #17</b> Street Address  <b>11002 East 17500 South</b>	III. OWNER / OPERATOR AND ADDRESS  Owner / Operator Name  <b>Chevron U.S.A. Production Company</b> Street Address  <b>11002 East 17500 South</b>
City <b>Vernal</b> State <b>UT</b> ZIP Code <b>84078-8526</b>	City <b>Vernal</b> State <b>UT</b> ZIP Code <b>84078-8526</b>

IV OWNERSHIP STATUS (Mark 'x')  <input checked="" type="checkbox"/> A. Federal <input type="checkbox"/> B. State <input type="checkbox"/> C. Private  <input type="checkbox"/> D. Public <input type="checkbox"/> E. Other (Explain)	V. SIC CODES  <b>1311</b>
--	---------------------------------

VI. WELL STATUS (Mark 'x')  <input checked="" type="checkbox"/> A. Operating  Date Started mo    day    year	<input checked="" type="checkbox"/> B. Modification / Conversion <input type="checkbox"/> C. Proposed  <b>Changing from oil production well to enhanced recovery injection well</b>
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VII. TYPE OF PERMIT REQUESTED (Mark 'x' and specify if required)			
<input checked="" type="checkbox"/> A. Individual <input type="checkbox"/> B. Area	Number of Existing wells <b>1</b>	Number of Proposed wells <b>1</b>	Name(s) of field(s) or project(s)  <b>Red Wash Unit #17</b>

VII. CLASS AND TYPE OF WELL (see reverse)			
A. Class(es) (enter code(s))  <b>II</b>	B. Type(s) (enter code(s))  <b>ER</b>	C. If class is "other" or type is code 'x', explain	D. Number of wells per type (if area permit)

IX. LOCATION OF WELL(S) OR APPROXIMATE CENTER OF FIELD OR PROJECT												X. INDIAN LANDS (Mark 'x')		
A. Latitude			B. Longitude			Township and Range				Feet from	Line	Feet from	Line	<input checked="" type="checkbox"/> A. Yes <input type="checkbox"/> B. No
Deg	Min	Sec	Deg	Min	Sec	Twsp	Range	Sec	¼ Sec					
						<b>7S</b>	<b>23E</b>	<b>20</b>	<b>NENE</b>	<b>660</b>	<b>FNL</b>	<b>660</b>	<b>FEL</b>	

XI. ATTACHMENTS  (Complete the following questions on a separate sheet(s) and number accordingly; see instructions) FOR CLASSES I, II, III (and other classes) complete and submit on separate sheet(s) Attachments A - U (pp 2-6) as appropriate. Attach maps where required. List attachments by letter which are applicable and are included with your application:    A, B, C, E, G, H, I, J, K, L, M, O, P, Q, R, S, T, U
---

XII. CERTIFICATION  <i>I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)</i>
--

A. Name and Title (Type or Print)  <b>John T Conley</b> <b>Red Wash Asset Team Leader</b>	<b>RECEIVED</b> NOV 21 1995	B. Phone No. (Area Code and No)  <b>(801) 781-4300</b>
C. Signature  		D. Date Signed  <b>10-29-96</b>

RECEIVED  
 NOV 21 1995  
 DIV. OF OIL, GAS & MINING

**UNDERGROUND INJECTION CONTROL  
PERMIT APPLICATION  
CLASS II ENHANCED RECOVERY WELL**

**RWU #17  
NENE-S20-T7S-R23E**

**RED WASH UNIT  
UINTAH COUNTY, UTAH**

**A. AREA OF REVIEW METHOD:**

The Area of Review (AOR) is a fixed radius 0.25 mile from the well.

**B. MAPS OF WELLS/AREA AND AREA OF REVIEW:**

Attachment B is a topographic map showing the AOR for RWU #17.

**C. CORRECTIVE ACTION PLAN AND WELL DATA:**

RWU #17: Attachment C contains all pertinent information on the well. No corrective action is required.

The AOR contains no other wells.

**D. MAPS AND CROSS SECTIONS OF USDWs:**

Does not apply to Class II wells.

**E. NAME AND DEPTH OF USDWs (CLASS II):**

There are no known USDW's and no water supply wells within the AOR. Depths to formation tops and geologic markers are as follows for wells in the AOR:

<b>FORMATION OR MARKER</b>	<b>RWU #17</b>
Uinta Formation	Surface
Green River Formation	3150'

## RWU #17 UIC PERMIT APPLICATION

<b>FORMATION OR MARKER</b>	<b>RWU #17</b>
Oil Shale Top	3865'
Oil Shale Base	3950'
Target Injection Interval	5572-5688'
Wasatch Formation	6024'

In the AOR, State of Utah Department of Natural Resources Technical Report #92 (USGS Open File Report 87-394), titled "BASE OF MODERATELY SALINE GROUND WATER IN THE UINTA BASIN, UTAH", it is indicated that USDW's in the area of RWU #17 are at sea level. This places the USDW's in the Green River Formation. The Green River Formation is classified by the EPA as an exempt aquifer in the AOR.

The target injection interval consists of the following perforation intervals: 5572-75' (Jd), 5583-86' (Je), 5593-97' (Je), 5612-18' (Jg), 5639-47' (K), 5652-64' (K40), and 5675-88' (Ka). At virgin conditions, the injection interval was very near irreducible water saturation and produced only minor amounts of water with the oil and gas. All current water production from the Red Wash area is recycled injection water (9996.8 mg/l TDS, per 1/29/96 sample) which has broken through from offset injectors.

### **F. MAPS AND CROSS SECTIONS OF GEOLOGIC STRUCTURE OF AREA:**

Does not apply to Class II wells.

### **G. GEOLOGIC DATA ON INJECTION AND CONFINING ZONES (CLASS II):**

Lithologic descriptions apply to the following Injection and confining zones:

<b>INTERVAL</b>	<b>RWU #17</b>
<b>Target Interval</b>	
Depths	5572-5688'
Thickness	116'

## RWU #17 UIC PERMIT APPLICATION

INTERVAL	RWU #17
<b>Confining Zone</b>	
Depths	5484-5505'
Thickness	21'
<b>Confining Zone to Green River Top</b>	
Depths	5484-3150'
Thickness	2334'

The target injection interval is sandstone.

The confining zone directly above the target injection interval is shale. Additional intervening strata between the top of the confining zone and the top of the Green River Formation consists of tightly interbedded shales, carbonate mudstones, siltstones, and sandy limestones to limy sandstones.

A fracture gradient of 0.78 psi/ft has been established for the Red Wash Unit. Based on a fracture gradient of 0.78 psi/ft, a 5572' depth to the top target interval perforation and a fluid specific gravity of 1.007, maximum surface injection pressure is 1917 psi.

### H. OPERATING DATA:

1. The daily water injection rate will vary with reservoir conditions and offset production rates, all of which change over time. Initial injection rates may approach 1000 BWPD while building reservoir pressure. A target rate of less than 500 BWPD is expected within six months, based on anticipated offset production.
2. Maximum injection pressure will initially approach fracture pressure in order to build reservoir pressure as quickly as possible. Average injection pressures approaching 1700-1800 psi are expected within six months.

## RWU #17 UIC PERMIT APPLICATION

3. Annulus fluid is produced water containing corrosion inhibitor to prevent corrosion of tubulars. A diesel freeze blanket will be circulated from surface to below frost level at completion to prevent freezing and possible equipment failure during winter months.

4. Does not apply to Class II wells.

5. Injected fluid consists of produced water from ongoing operations at the Red Wash Unit, in addition to fresh make-up water from Chevron operated water supply wells. Fluid streams from producing wells are gathered into central facilities. After separation, produced water is transferred to the Red Wash Central Battery Water Injection Station, where it is mixed with fresh water from the water supply wells. Fresh make-up water is required for material balance reasons to replace oil and gas removed from the reservoir. The mixture is treated with scale and corrosion inhibitors, then sent through the main water injection pumps for high pressure distribution to injectors in the field.

Attachment H is a copy of the water analysis report submitted by Chevron to the EPA for 1996 annual reporting purposes. The fluid analyzed was water leaving the Red Wash Central Battery Water Injection Station for distribution and injection throughout the Red Wash Unit. Since the proposed well will be connected to the existing injection system, Attachment H is representative of the injected fluid for the proposed well.

6. Does not apply to Class II wells.

### I. FORMATION TESTING PROGRAM:

1. A Fracture gradient of 0.78 psi/ft has been established for the Red Wash Unit.
2. Static reservoir pressure will be obtained via bottom hole pressure bomb following completion of the well and before commencing injection.
3. No fluid sampling of the completed interval will be attempted.

## **RWU #17 UIC PERMIT APPLICATION**

### **J. STIMULATION PROGRAM:**

No stimulation is planned at present.

### **K. INJECTION PROCEDURES:**

With the exception of normal wellhead equipment, valves and monitoring equipment, no on-site equipment such as tanks and pumps will be involved. Water will be supplied to the well by an injection flowline connected with the existing distribution network.

Central injection facilities are designed and operated to provide continuous injection at rates and pressures consistent with operating, engineering and regulatory requirements. Uninterrupted operation is planned.

### **L. CONSTRUCTION PROCEDURES:**

Construction will start after permit and flowline right-of-way approval. Construction is expected to take approximately 4 days.

Attachment L details construction procedures. Chevron intends to install a tandem packer assembly which will straddle Hb and Hc/Hd perforations and isolate them from the targeted injection interval 5572' (Jd) - 5699' (Ka).

The proposed annulus fluid is produced water containing corrosion inhibitor to prevent corrosion of tubulars. A diesel freeze blanket will be circulated from surface to below frost level to prevent freezing and possible equipment failure during winter months. Following a successful mechanical integrity test, static reservoir pressure will be obtained. The well will commence injection following flowline installation and EPA authorization to inject.

## **RWU #17 UIC PERMIT APPLICATION**

### **M. CONSTRUCTION DETAILS:**

Attachment M shows proposed construction details of the well.

### **N. CHANGES IN INJECTED FLUID:**

Does not apply to Class II wells.

### **O. PLANS FOR WELL FAILURES:**

Upon discovery of a mechanical integrity failure, the well will be immediately shut-in and evaluated. If repairs and a return to injection cannot be justified, the well will be plugged and abandoned.

### **P. MONITORING PROGRAM:**

The well will be equipped for monitoring injection pressure, tubing/casing annulus pressure, instantaneous and cumulative injected volume, and to allow sampling of the injected fluid.

There will be weekly observations of rates and pressures, with values recorded monthly for reporting purposes.

Fluid sampling for central injection facilities serving injectors at the Red Wash Unit, including the proposed well, will be conducted on an annual basis.

### **Q. PLUGGING AND ABANDONMENT PLAN:**

Attachment Q contains EPA Form 7520-14, "Plugging and Abandonment Plan".

Attachment Q contains the plugging and abandonment procedure and schematic. Note - exact cement requirements to achieve the stated plug tops and bottoms have been rounded.

## **RWU #17 UIC PERMIT APPLICATION**

The proposed P&A plan is consistent with P&A procedures used by Chevron throughout its Uinta Basin properties.

### **R. NECESSARY RESOURCES:**

Financial responsibility for the abandonment of the proposed well is addressed under Chevron's Financial Assurance Statement for Class II operations on Indian Lands.

### **S. AQUIFER EXEMPTIONS:**

The Green River Formation is classified as an exempt aquifer by the EPA in the AOR.

### **T. EXISTING EPA PERMITS:**

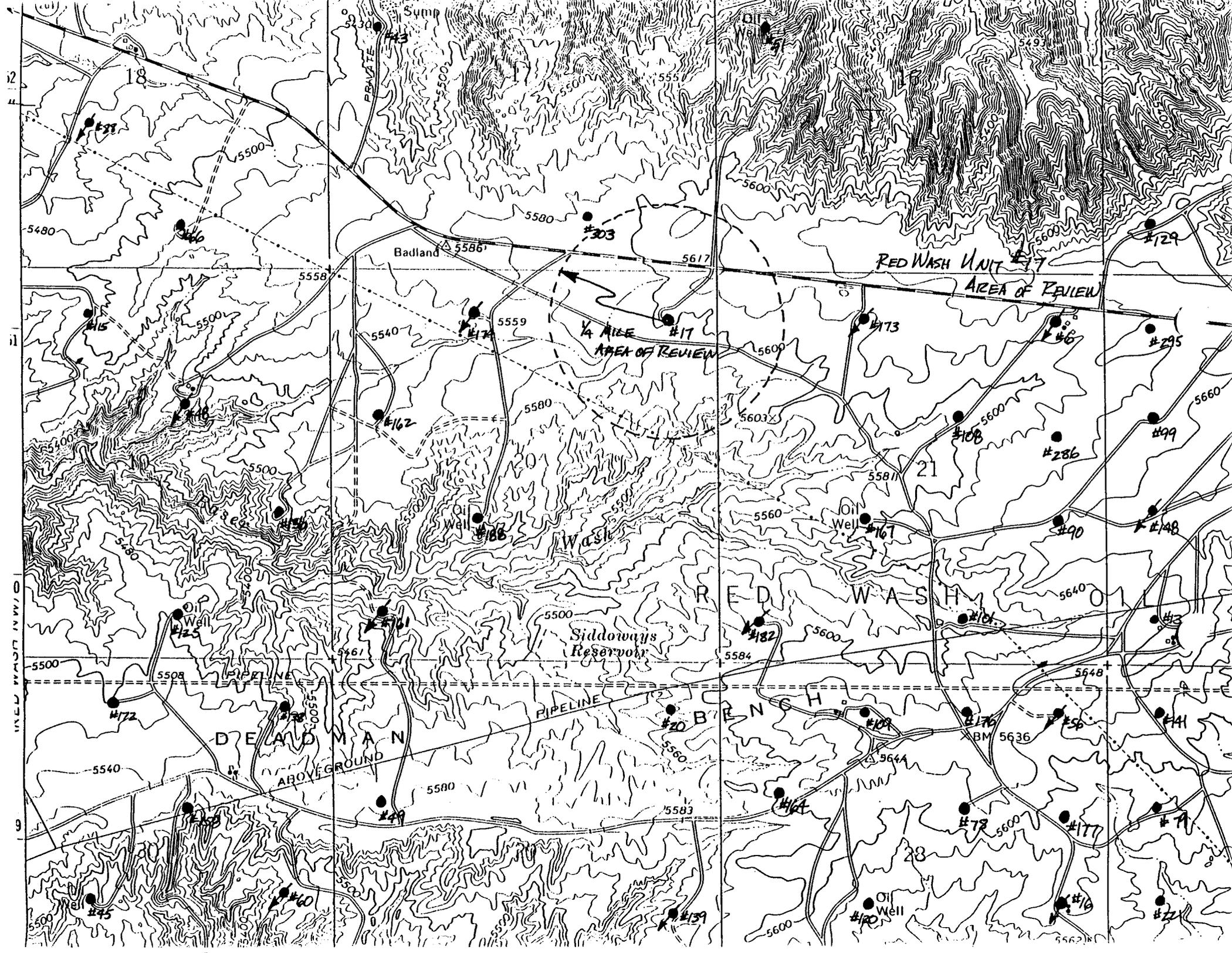
Chevron holds numerous UIC permits for Class II wells in the United States. Attachment T contains listings of class II wells operated from this office.

### **U. DESCRIPTION OF BUSINESS:**

Chevron USA Production Co. is the domestic exploration and production company of Chevron Corporation, a major international oil company.

**RED WASH UNIT #17  
UINTAH COUNTY, UTAH**

**ATTACHMENT B**



**RED WASH UNIT #17  
UINTAH COUNTY, UTAH**

**ATTACHMENT C**

**RED WASH UNIT #17 (41-20B)  
660' FNL & 660' FEL  
NENE-SEC. 20-T7S-R23E  
UINTAH COUNTY, UTAH**

API#: 43-047-15146  
LEASE NUMBER: U-0569

KB ELEVATION: 5618'  
GL ELEVATION: 5607'  
TD: 6072'  
PBSD: 5710'

**CASING DETAIL:**

13-3/4" HOLE SIZE  
10-3/4" 40.5# J-55 @ 516' W/270 SX. REGULAR CEMENT

9" HOLE SIZE  
7" 23# J-55 @ 5795' W/275 SX. STRATACRETE

TOC @ 3746' BY CBL

**TUBING DETAIL:**

SEE TOUR REPORTS - ROD PUMP WELL

**PERFORATION DETAIL:**

Open -		Excluded -	
5052-58'	Hb	5058-60'	Hb
5572-75'	Jd	5086-5125'	Hc/Hd
5583-86'	Je		
5593-97'	Je		
5612-18'	Jg		
5639-47'	K		
5652-64'	K40		
5675-88'	Ka		

**RWU #17 (41-20B)**

**WELL HISTORY:**

8/52: At completion, perforated 5115-25', 5095-5115', 5086-5125'. ETP with no initial stimulation.

12/53: Perforated 5612-18', 5639-47', 5652-64', 5086-5125'. SOS 5612-5664' with 2200 gal. oil and 2200# proppant. SOS 5086-5125' with 3200 gal. oil and 3200# proppant. Cleaned out and RTP.

3/60: Acidized with 1160 gal. mud acid, then SOS with 300 bbl. oil and 39000# proppant. Cleaned out and RTP.

5/61: Notched 5593-97', 5583-86' and 5572-75'. Isolated 5612-64', acidized with 500 gal. mud acid then fractured same with 430 bbl. gel and 17000# sand. Moved packer, acidized 5572-5664' with 300 gal. mud acid and fractured with 12000 gal. gel and 9900# proppant. Isolated 5086-5125' and SOS with 12000 gal. oil and 9900# proppant. Cleaned out and RTP.

2/71: Set CIBP at 5690', perforated 5052-60', acidized with 250 gal. 15% Hcl, swabbed well in flowing 65 BOPD, 75 BWPD and 250 MCFD rate.

5086-5125', communicated.

5675-88', swabbed gas cut water, acidized with 250 gal. 15% Hcl, communicated.

Squeezed 5052-60', 5086-5125' with 150 sx., resqueezing 5086-5125' with 150 sx. after drilling out. Drilled out again, perforated 5052-58', swabbed gas cut water with some oil. Acidized same with 250 gal. 15% Hcl. Pulled tools, drilled out to original PBTD, swabbed 50% oil from all perforations. TA'd well.

9/86: RTP on rods after 15 year hiatus.

5/93: Pumped 15 drums P-38 and 2000 gal. #1 diesel down annulus.

# CURRENT WELLBORE DIAGRAM

WELL: RED WASH UNIT #17  
 LOCATION: 660' FNL & 660' FEL  
 NENE-SEC. 20-T7S-R23E  
 UINTAH COUNTY, UTAH

KBE: 5618'  
 GLE: 5607'  
 TD: 6072'  
 PBTD: 5710'

LEASE: U-0569  
 API #: 43-047-15146

SURFACE HOLE & CASING:

HOLE SIZE: 13-3/4"  
 CSG. TYPE & SIZE: 10-3/4" 40.5# J-55  
 SETTING DEPTH: 516'  
 CEMENT: 270 SX REGULAR  
 CEMENT TOP: SURFACE

GEOLOGIC MARKERS:

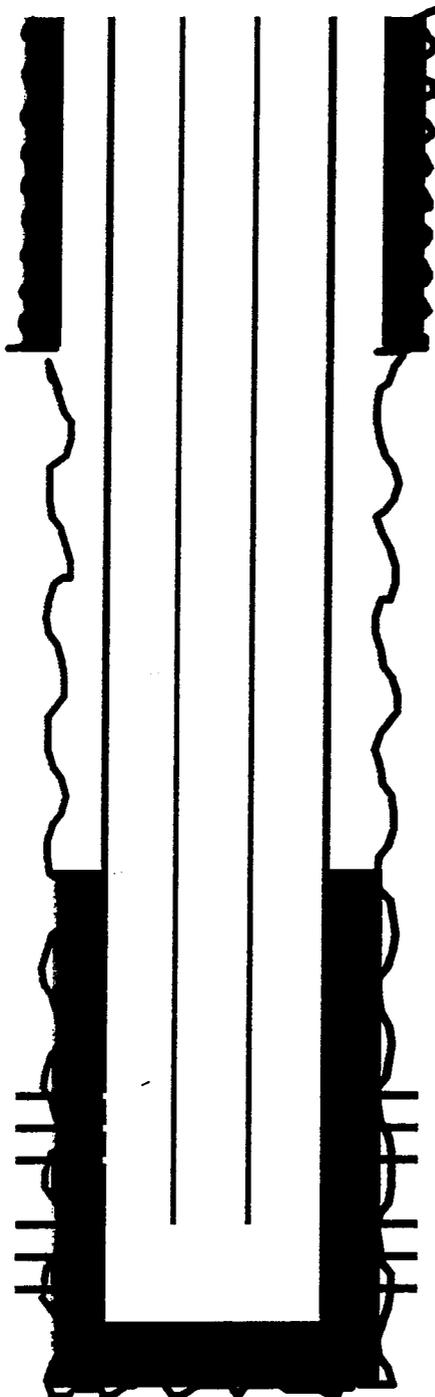
UINTA	SURFACE
GREEN RIVER	3150'
OIL SHALE	3865-3950'
TARGET INTERVAL	5572-5688'
WASATCH	6024'

PERFORATIONS:

5052-58'	Hb	OPEN
5058-60'	Hb	EXCLUDED
5086-5125'	Hc/Hd	EXCLUDED
5572-75'	Jd	OPEN
5583-86'	Je	OPEN
5593-97'	Je	OPEN
5812-18'	Jg	OPEN
5639-47'	K	OPEN
5852-84'	K	OPEN
5675-88'	Ka	OPEN

PRODUCTION HOLE AND CASING:

HOLE SIZE: 9"  
 CSG. TYPE & SIZE: 7" 23# J-55  
 SETTING DEPTH: 5795'  
 CEMENT: 275 SX STRATACRETE



ORIGINAL TOC @ 3746'

PBTD: 5710'  
 TD: 6072'



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor

Ted Stewart  
Executive Director

James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

December 16, 1996

Newspaper Agency Corporation  
Legal Advertising  
Tribune Building, Front Counter  
143 South Main  
Salt Lake City, Utah 84111

Re: Notice of Agency Action - Cause No. UIC-186

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

A handwritten signature in cursive script that reads "Lorraine Platt".

Lorraine Platt  
Secretary

Enclosure





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

December 16, 1996

Vernal Express  
P.O. Box 1000  
54 North Vernal Avenue  
Vernal, Utah 84078

Re: Notice of Agency Action - Cause No. UIC-186

Gentlemen:

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Sincerely,

A handwritten signature in cursive script that reads "Lorraine Platt".

Lorraine Platt  
Secretary

Enclosure



**Chevron USA, Inc.  
Red Wash 17, 52 and 258 Wells  
Cause No. UIC-186**

Publication Notices were sent to the following:

Chevron USA, Inc.  
11002 East 17500 South  
Vernal, Utah 84078-8526

Newspaper Agency Corporation  
Legal Advertising  
157 Regent Street  
Salt Lake City, Utah 84110

Vernal Express  
P.O. Box 1000  
54 North Vernal Avenue  
Vernal, Utah 84078

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

U.S. Environmental Protection Agency  
Region VIII  
Attn: Dan Jackson  
999 18th Street  
Denver, Colorado 80202-2466



Lorraine Platt  
Secretary  
December 16, 1996

143 SOUTH MAIN ST.  
P.O. BOX 45838  
SALT LAKE CITY, UTAH 84145  
FED. TAX I.D.# 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune



DESERET NEWS

CUSTOMER'S COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL, GAS & MINING 1594 W NORTH TEMPLE STE # 1210 SALT LAKE CITY UT 84114	D5385340L-07	12/21/96

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TLCI8200561
SCHEDULE	
START 12/21/96 END 12/21/96	
CUST. REF. NO.	
UIC-186	
CAPTION	
NOTICE OF AGENCY ACTION CAUSE N	
SIZE	
74 LINES 1.00 COLUMN	
TIMES	RATE
1	1.64
MISC. CHARGES	AD CHARGES
.00	121.36
TOTAL COST	
121.36	

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-186  
BEFORE THE DIVISION OF OIL,  
GAS AND MINING  
DEPARTMENT OF NATURAL  
RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF CHEVRON USA, INC. FOR ADMINISTRATIVE APPROVAL OF THE RED WASH 17, 52 AND 258 WELLS LOCATED IN SECTIONS 20, 18 AND 22, TOWNSHIP 7 SOUTH, RANGE 22 AND 23 EAST, S.L.M., UTAH COUNTY, UTAH, AS CLASS II INJECTION WELLS.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Chevron USA, Inc. for administrative approval of the Red Wash 17, 52 and 258 wells, located in Sections 20, 18 and 22, Township 7 South, Range 22 and 23 East, S.L.M., Uintah County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

AFFIDAVIT OF PUBLICATION

PAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED STATEMENT OF NOTICE OF AGENCY ACTION CAUSE N \_\_\_\_\_ FOR OIL, GAS & MINING \_\_\_\_\_ WAS PUBLISHED BY THE NEWSPAPER AGENCY ACTION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

STARTED ON \_\_\_\_\_ START 12/21/96 END 12/21/96  
BY \_\_\_\_\_  
12/21/96

IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"  
PLEASE PAY FROM BILLING STATEMENT.

The interval from 5507 feet to 5714 feet (Green River Formation) will be selectively perforated for water injection. A maximum injection pressure will be limited for each individual well based on perforation depth and submittal fracture pressure information.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 16th day of December, 1996.

STATE OF UTAH  
DIV. OF OIL, GAS AND MINING  
R. J. Firth  
Associate Director, Oil & Gas  
C1820050

RECEIVED  
DEC 21 1996

PROOF OF PUBLICATION

STATE OF UTAH,

} SS.

County of Uintah

OFFICE COPY

NOTICE OF AGENCY ACTION  
CAUSE NO. UIC-186  
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH

IN THE MATTER OF APPLICATION OF CHEVRON USA, INC. FOR ADMINISTRATIVE APPROVAL OF THE RED WASH 17, 52 AND 258 WELLS LOCATED IN SECTION 20, 18 AND 22, TOWNSHIP 7 SOUTH, RANGE 22 AND 23 EAST, S.L.M., UINTAH COUNTY, UTAH AS CLASS II INJECTION WELLS

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Dated this 16th day of December 1996.

STATE OF UTAH DIVISION OF OIL, GAS & MINING

R. J. FIRTH, Associate Director, Oil & Gas

Published in the Vernal Express Dec. 25, 1996.

I, SHEILA S. WHEELER,

being duly sworn, depose and say, that I am the Business Manager of The Vernal Express, a weekly newspaper of general circulation, published each week at Vernal, Utah, that the notice attached hereto was published in said newspaper

for 1 publications,

the first publication having been made on

the 25th day of December, 1996 and the

last on the 25th day of December, 1996,

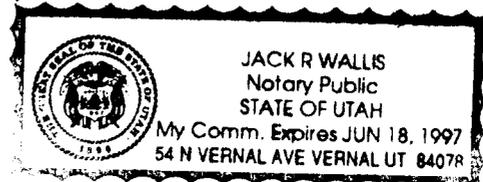
that

said notice was published in the regular and entire issue of every number of the paper during the period and times of publication, and the same was published in the newspaper proper and not in a supplement.

By *Sheila S. Wheeler* Manager

Subscribed and sworn to before me, this 25th day of December A.D. 1996.

*Jack R. Wallis*  
Notary Public, Residence, Vernal, Utah





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340  
801-359-3940 (Fax)  
801-538-5319 (TDD)

December 31, 1996

Chevron USA Production Company  
11002 East 17500 South  
Vernal, Utah 84078-8526  
Attention: John Conley

Re: Injection Applications for Red Wash Unit Wells 17, 52, 258  
and Wonsits Valley Wells 35 and 97

Dear Mr. Conley:

Applications for the above referenced wells have been received by the Division. A public notice was sent to the Salt Lake Tribune and the Vernal Express, both of which were published on or about December 24, 1996.

The applications are technically complete, however pursuant to Division rules the area of review (AOR) is a one-half mile radius around the proposed well. Additionally, Division rules require that an affidavit be submitted stating that all operators, surface owners and lease holders within the one-half mile AOR have been notified of your intent.

Please submit the above information at your earliest convenience so that the review of the application can be completed. If you have any questions please call me at 801-538-5338.

Sincerely,

A handwritten signature in black ink, appearing to read 'Dan J. Jarvis', written over a circular stamp or mark.

Dan J. Jarvis  
UIC Geologist





State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

May 6, 1997

Chevron USA, Inc.  
11002 East 17500 South  
Vernal, Utah 84078-8526

Re: Red Wash Unit 17, 52 and 258 wells, Sections 20, 18 and 22, Township 7 South, Range 22 and 23 East, Uintah County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced wells to Class II injection wells. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Chevron USA, Inc.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

A handwritten signature in cursive script that reads "Lowell P. Braxton".  
Lowell P. Braxton  
Deputy Director

cc: Dan Jackson, Environmental Protection Agency  
Bureau of Land Management, Vernal



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-186

**Operator:** Chevron USA, INC.  
**Wells:** Red Wash Unit 17, 52 and 258  
**Location:** Sections 20, 18, and 22 Township 7 South, Range 22  
and 23 East, County: Uintah  
**API No.:** 43-047-15146, 43-047-15178 and 43-047-30458  
**Well Type:** Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on May 6, 1997
2. Maximum Allowable Injection Pressure: 1917 psig for the RWU 17, 1936 psig for the RWU 52 and 1894 psig for the RWU 258
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: 5507 feet to 5714 feet (Green River Formation)

Approved by:

Lowell P. Buxton  
Lowell P. Buxton  
Deputy Director

5/6/97

Date

FEBRUARY 3, 1998



**RWU #17 (41-20B), UT2810-04346**  
**RWU #52 (14-18B), UT2811-04347**  
**RWU #258 (34-22A), UT2812-04348**  
**RED WASH UNIT**  
**WVFU #35, UT2813-04351**  
**WVFU #97, UT2814-04350**  
**WONSITS VALLEY FEDERAL UNIT**  
**UINTAH COUNTY, UTAH**

Chevron U.S.A. Production Co.  
Rocky Mountain Profit Center  
11002 East 17500 South  
Vernal, UT 84078-8526  
(801) 781-4300

**MR. CHUCK WILLIAMS**  
**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**REGION VIII**  
**999 18th STREET - SUITE 500**  
**DENVER, CO 80202-2466**  
**8P2-W-GW**

**Dear Mr. Williams:**

UIC Permits for the captioned wells will expire during March and April of 1997 if conversions to injection have not been completed. While much of the delay in converting these wells is due to capital budget constraints during 1997, we have also had some difficulty obtaining injection flowline right-of-ways. Although we plan to complete the conversions during the first half of 1998, right-of-way issues and a recent shortage of downhole equipment in our industry may delay the actual timing beyond the expiration dates.

**For these reasons, Chevron respectfully requests a one year extension for the captioned UIC permits.** EPA's prompt approval of this request will be greatly appreciated. Please contact Steven McPherson at (435) 781-4310 with any questions or additional information needs you may have.

**Sincerely,**

  
\_\_\_\_\_  
**J. T. CONLEY**  
**RED WASH ASSET TEAM LEADER**

Enclosures

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

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

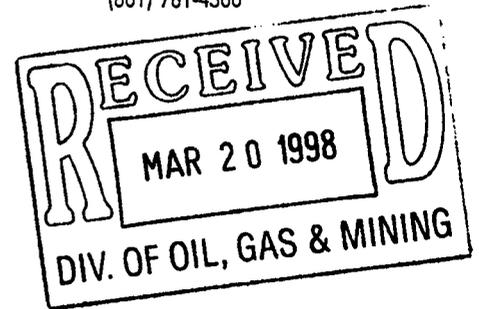
MARCH 11, 1998



**MINOR PERMIT MODIFICATION REQUESTS  
FRACTURE GRADIENT ASSIGNMENT  
RED WASH UNIT**

Chevron U.S.A. Production Co.  
Rocky Mountain Profit Center  
11002 East 17500 South  
Vernal, UT 84078-8526  
(801) 781-4300

**MR. CHUCK WILLIAMS  
UIC IMPLEMENTATION SECTION  
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION VIII  
999 18th STREET - SUITE 500  
DENVER, CO 80202-2466  
8P2-W-GW**



Dear Mr. Williams:

Based on January 1998 step-rate data from several Red Wash Unit wells, Sharon L. Kercher, Director, Technical Enforcement Program, approved the use of a 0.81 psi/ft. fracture gradient in the calculation of maximum surface injection pressure for rule authorized wells in the Unit. Ms. Kercher's February 18, 1998 letter stated that this authorization does not apply to any wells in Red Wash Unit with individual UIC Permits. Please recall that a value of 0.78 psi/ft. was assigned to Red Wash Unit several years ago and has been used in all UIC Permit Applications since. Given recent step-rate data, we believe a value of 0.81 psi/ft. should be assigned to all water injectors in Red Wash Unit and respectfully request several minor permit modifications to reflect this change. The following permits are involved:

S. D. T. 7 S R. 23E

Well	EPA ID#	Water S.G.	Top Perf. ft.	Max. Surface Pressure, psi
RWU #17	UT2810-04346	1.015	5572	2064
RWU #52	UT2811-04347	1.0071	5660	2116
RWU #258	UT2812-04348	1.025	5507	2016
RWU #261	UT2835-04402	1.015	5655	2095
RWU #268	UT2832-04399	1.015	5573	2064
RWU #283	UT2833-04400	1.0071	5583 (est.)	2087
RWU #301	UT2834-04401	1.015	5090	1886

43-047-15146  
43-047-15178  
43-047-30458  
43-047-32739  
43-047-32980  
43-047-32982  
43-047-31682

Please note that water specific gravities relate to the injection station each well will be tied to. Details can be found in our 1997 UIC Annual Monitoring Report, which was previously submitted. If you need additional information, please call S. D. McPherson at (435) 781-4310.

Sincerely,

**J. T. CONLEY  
RED WASH ASSET TEAM LEADER**

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

**SUBMIT IN TRIPLICATE**

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

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

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

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

5. Lease Designation and Serial No.

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

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

8. Well Name and No.

9. API Well No.

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

11. County or Parish, State  
UINTAH, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> Other <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: M. 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.

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH		4-KAS
2. CDW	✓	5- <del>SLP</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 166 (23-14A)	43-047-15276	5670	14-07S-22E	FEDERAL	OW	PA
RWU 146 (12-21A)	43-047-16492	99998	21-07S-22E	FEDERAL	OW	PA
RWU 175 (34-28A)	43-047-15282	5670	28-07S-22E	FEDERAL	OW	PA
RWU 149 (21-33A)	43-047-15262	5670	33-07S-22E	FEDERAL	OW	PA
RWU 155 (23-33A)	43-047-15266	5670	33-07S-22E	FEDERAL	OW	PA
RWU 159 (14-33A)	43-047-15269	5670	33-07S-22E	FEDERAL	OW	PA
RWU 163 (34-33A)	43-047-15273	5670	33-07S-22E	FEDERAL	OW	PA
RWU 171 (32-33A)	43-047-15279	5670	33-07S-22E	FEDERAL	OW	PA
RWU 160 (32-15B)	43-047-15270	5670	15-07S-23E	FEDERAL	OW	P
RWU 162 (12-20B)	43-047-15272	5670	20-07S-23E	FEDERAL	OW	TA
RWU 17 (41-20B)	43-047-15146	5670	20-07S-23E	FEDERAL	OW	TA
RWU 167 (23-21B)	43-047-15277	5670	21-07S-23E	FEDERAL	OW	P
RWU 147 (22-22B)	43-047-15260	5670	22-07S-23E	FEDERAL	OW	P
RWU 168 (23-24B)	43-047-15278	5670	24-07S-23E	FEDERAL	OW	TA
RWU 165 (32-26B)	43-047-15275	5670	26-07S-23E	FEDERAL	GW	S
RWU 164 (12-28B)	43-047-15274	5670	28-07S-23E	FEDERAL	OW	P
RWU 153 (14-29B)	43-047-15265	5670	29-07S-23E	FEDERAL	OW	P
RWU 158 (32-30B)	43-047-15268	5670	30-07S-23E	FEDERAL	OW	P
RWU 172 (21-30B)	43-047-15280	5670	30-07S-23E	FEDERAL	OW	TA
RWU 154 (41-32B)	43-047-16494	5670	32-07S-23E	FEDERAL	OW	PA
RWU 15 (32-17C)	43-047-15145	99998	17-07S-24E	FEDERAL	OW	P
RWU 152 (41-17C)	43-047-16493	5670	17-07S-24E	FEDERAL	GW	PA

**OPERATOR CHANGES DOCUMENTATION**

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12-30-1999
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 08-09-2000

3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 08-23-2000
4. Is the new operator registered in the State of Utah: YES Business Number: 224885
5. If **NO**, the operator was contacted on: \_\_\_\_\_
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 02/04/2000
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 02/04/2000
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A
9. **Underground Injection Control ("UIC") Pro;** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 09/11/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 09/11/2000
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.: N/A

**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: \_\_\_\_\_

**FILING:**

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

**COMMENTS:**

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# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

# 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)

~~CONFIDENTIAL~~  
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



# 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

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Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

cc: Chevron U.S.A. Inc.

bcc: Field Manager - Vernal (w/enclosure)

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

UT931:TAThompson:tt:2/4/00

Well Status Report  
Utah State Office  
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
UTU0116	4304715258	144 (21-18B) RED WAS	NENW	18	T 7S	R23E TA		CHEVRON U S A INCORPORATED
UTU081	4304715259	145 (24-13B) RED WAS	SESW	13	T 7S	R23E OSI		CHEVRON U S A INCORPORATED
<del>UTU0559</del>	<del>4304716492</del>	<del>146 (12-21A) RED WAS</del>	<del>SWNW</del>	<del>21</del>	<del>T 7S</del>	<del>R22E P+A</del>		<del>CHEVRON U S A INCORPORATED</del>
UTU081	4304715260	147 (22-22B) RED WAS	SENE	22	T 7S	R23E POW		CHEVRON U S A INCORPORATED
UTU081	4304715261	148 (13-22B) RED WAS	NWSW	22	T 7S	R23E WIW		CHEVRON U S A INCORPORATED
<del>UTU0571</del>	<del>4304715262</del>	<del>149 (21-33A) RED WAS</del>	<del>NENW</del>	<del>33</del>	<del>T 7S</del>	<del>R22E P+A</del>		<del>CHEVRON U S A INCORPORATED</del>
UTU02148	4304715145	15 (32-17C) RED WASH	SWNE	17	T 7S	R24E PGW		CHEVRON U S A INCORPORATED
UTU081	4304715263	150 (31-22B) RED WAS	NWNE	22	T 7S	R23E TA		CHEVRON U S A INCORPORATED
UTU081	4304715264	151 (42-14B) RED WAS	SENE	14	T 7S	R23E POW		CHEVRON U S A INCORPORATED
<del>UTU02148</del>	<del>4304716493</del>	<del>152 (41-17C) RED WAS</del>	<del>NENE</del>	<del>17</del>	<del>T 7S</del>	<del>R24E P+A</del>		<del>CHEVRON U S A INCORPORATED</del>
UTU02025	4304715265	153 (14-29B) RED WAS	SWSW	29	T 7S	R23E POW		CHEVRON U S A INCORPORATED
STATE	<del>4304716494</del>	<del>154 (41-32B) RED WAS</del>	<del>NENE</del>	<del>32</del>	<del>T 7S</del>	<del>R23E P+A</del>		<del>CHEVRON USA INC</del>
<del>UTU0571</del>	<del>4304715266</del>	<del>155 (23-33A) RED WAS</del>	<del>NESW</del>	<del>33</del>	<del>T 7S</del>	<del>R22E P+A</del>		<del>CHEVRON U S A INCORPORATED</del>
UTU081	4304715267	156 (23-15B) RED WAS	NESW	15	T 7S	R23E WIW		CHEVRON U S A INCORPORATED
UTU02025	4304715268	158 (32-30B) RED WAS	SWNE	30	T 7S	R23E POW		CHEVRON U S A INCORPORATED
<del>UTU0571</del>	<del>4304715269</del>	<del>159 (14-33A) RED WAS</del>	<del>SWSW</del>	<del>33</del>	<del>T 7S</del>	<del>R22E P+A</del>		<del>CHEVRON U S A INCORPORATED</del>
UTU02030	4304716475	16 (43-28B) RED WASH	NESE	28	T 7S	R23E TA		CHEVRON U S A INCORPORATED
UTU081	4304715270	160 (32-15B) RED WAS	SWNE	15	T 7S	R23E POW		CHEVRON U S A INCORPORATED
UTU02030	4304715271	161 (14-20B) RED WAS	SWSW	20	T 7S	R23E TA		CHEVRON U S A INCORPORATED
UTU02030	4304715272	162 (12-20B) RED WAS	SWNW	20	T 7S	R23E TA		CHEVRON U S A INCORPORATED
<del>UTU0570</del>	<del>4304715273</del>	<del>163 (34-33A) RED WAS</del>	<del>SWSE</del>	<del>33</del>	<del>T 7S</del>	<del>R22E P+A</del>		<del>CHEVRON U S A INCORPORATED</del>
UTU02025	4304715274	164 (12-28B) RED WAS	SWNW	28	T 7S	R23E POW		CHEVRON U S A INCORPORATED
UTU0566	4304715275	165 (32-26B) RED WAS	SWNE	26	T 7S	R23E TA		CHEVRON U S A INCORPORATED
<del>UTU0562</del>	<del>4304715276</del>	<del>166 (23-14A) RED WAS</del>	<del>NESW</del>	<del>14</del>	<del>T 7S</del>	<del>R22E ABD</del>		<del>CHEVRON U S A INCORPORATED</del>
UTU0567	4304715277	167 (23-21B) RED WAS	NESW	21	T 7S	R23E POW		CHEVRON U S A INCORPORATED
UTU082	4304715278	168 (23-24B) RED WAS	NESW	24	T 7S	R23E TA		CHEVRON U S A INCORPORATED
UTU0569	4304715146	17 (41-20B) RED WASH	NENE	20	T 7S	R23E POW		CHEVRON U S A INCORPORATED
UTU081	4304716495	170 (41-15B) RED WAS	NENE	15	T 7S	R23E TA		CHEVRON U S A INCORPORATED
<del>UTU0570</del>	<del>4304715279</del>	<del>171 (32-33A) RED WAS</del>	<del>SWNE</del>	<del>33</del>	<del>T 7S</del>	<del>R22E P+A</del>		<del>CHEVRON U S A INCORPORATED</del>
UTU02030	4304715280	172 (21-30B) RED WAS	NENW	30	T 7S	R23E TA		CHEVRON U S A INCORPORATED
UTU0569	4304716496	173 (21-21B) RED WAS	NENW	21	T 7S	R23E WIW		CHEVRON U S A INCORPORATED
UTU0933	4304715281	174 (21-20B) RED WAS	NENW	20	T 7S	R23E WIW		CHEVRON U S A INCORPORATED
<del>UTU0558</del>	<del>4304715282</del>	<del>175 (34-28A) RED WAS</del>	<del>SWSE</del>	<del>28</del>	<del>T 7S</del>	<del>R22E ABD</del>		<del>CHEVRON U S A INCORPORATED</del>
UTU02030	4304715283	176 (31-28B) RED WAS	NWNE	28	T 7S	R23E TA		CHEVRON U S A INCORPORATED
UTU02030	4304715284	177 (42-28B) RED WAS	SENE	28	T 7S	R23E POW		CHEVRON U S A INCORPORATED
UTU081	4304715285	178 (22-13B) RED WAS	SENE	13	T 7S	R23E TA		CHEVRON U S A INCORPORATED
<del>UTU0570</del>	<del>4304715286</del>	<del>179 (43-33A) RED WAS</del>	<del>NESE</del>	<del>33</del>	<del>T 7S</del>	<del>R22E P+A</del>		<del>CHEVRON U S A INCORPORATED</del>
<del>UTU02149</del>	<del>4304715147</del>	<del>18 (41-19C) RED WASH</del>	<del>NENE</del>	<del>19</del>	<del>T 7S</del>	<del>R24E ABD</del>		<del>CHEVRON U S A INCORPORATED</del>
UTU082	4304715287	180 (31-23B) RED WAS	NWNE	23	T 7S	R23E TA		CHEVRON U S A INCORPORATED
UTU02025	4304715288	181 (34-30B) RED WAS	SWSE	30	T 7S	R23E POW		CHEVRON U S A INCORPORATED
UTU0933	4304716497	182 (14-21B) RED WAS	SWSW	21	T 7S	R23E TA		CHEVRON U S A INCORPORATED
UTU081	4304715289	183 (33-13B) RED WAS	NWSE	13	T 7S	R23E WIW		CHEVRON U S A INCORPORATED
UTU0566	4304715290	184 (23-26B) RED WAS	NESW	26	T 7S	R23E TA		CHEVRON U S A INCORPORATED
UTU081	4304716498	185 (41-14B) RED WAS	NENE	14	T 7S	R23E WIWSI		CHEVRON U S A INCORPORATED
<del>UTU02030</del>	<del>4304716499</del>	<del>186 (12-30B) RED WAS</del>	<del>SWNW</del>	<del>30</del>	<del>T 7S</del>	<del>R23E P+A</del>		<del>CHEVRON U S A INCORPORATED</del>
UTU02030	4304715291	188 (23-20B) RED WAS	NESW	20	T 7S	R23E TA		CHEVRON U S A INCORPORATED
STATE	4304715292	189 (41-16B) RED WAS	NENE	16	T 7S	R23E TA		CHEVRON U S A INCORPORATED
UTU0566	4304715148	19 (34-26B) RED WASH	SWSE	26	T 7S	R23E GSI		CHEVRON U S A INCORPORATED
<del>UTU0560</del>	<del>4304716500</del>	<del>190 (34-29A) RED WAS</del>	<del>SWSE</del>	<del>29</del>	<del>T 7S</del>	<del>R22E P+A</del>		<del>CHEVRON U S A INCORPORATED</del>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: November 30, 2000

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

5. Lease Serial No.  
U 0116

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

7. If Unit or CA/Agreement, Name and/or No.  
RED WASH UNIT

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

8. Well Name and No.  
RED WASH UNIT 17 (41-20B)

9. API Well No.  
43-047-31819

1. Type of Well  
 Oil Well  Gas Well  Other: INJECTION

2. Name of Operator  
SHENANDOAH ENERGY INC. Contact: ANN PETRIK  
E-Mail: apetrik@shenandoahenergy.com

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

3b. Phone No. (include area code)  
Ph: 435.781.4306  
Fx: 435.781.4329

10. Field and Pool, or Exploratory  
RED WASH UNIT

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 20 T7S R21E NENE 660FNL 660FEL

11. County or Parish, and State  
UINTAH COUNTY, UT

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

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

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

THIS WELL WAS CONVERTED TO A WATER INJECTION WELL ON 3/30/98.

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

RECEIVED  
10/6/2001  
DIVISION OF  
OIL, GAS AND MINING

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

Electronic Submission #8633 verified by the BLM Well Information System  
For SHENANDOAH ENERGY INC., sent to the Vernal

Name (Printed/Typed) ANN PETRIK

Title ADMINISTRATIVE CONTACT

Signature (Electronic Submission)

Date 11/06/2001

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

Approved By

Title

Date

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

Office

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

**\*\* ORIGINAL \*\* ORIGINAL \*\***

**CONFIDENTIAL**

# SHENANDOAH ENERGY INC.

---

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

October 20, 2002

**INJECTOR STIMULATIONS**  
**Various Wells**  
**Red Wash & Gypsum Hills Units**  
**Uintah County, Utah**

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

**Dear Mr. Craver,**

This letter is to advise you that we intend to stimulate the following wells in order to enhance injectivity and correct vertical profile deficiencies. I will file Well Rework Records after the stimulation treatments for your records. It is not intended that any new perforations will be added during this work. We will place the injection packer at approximately the same depth as was prior to the stimulation treatments.

<u>Wellname</u>	<u>EPA ID</u>
RWU #174 (21-20B)	UT02411
RWU #173 (21-21B)	UT02439
RWU # 17 (41-20B)	UT2810-04346 43-047-15146 Sec. 20, 7S, 23E
RWU #268 (43-17B)	UT2832-04399
RWU # 6 (41-21B)	UT02426
GHU # 12	UT2727-03794

If you have any questions regarding the treatments, please contact me at (435) 781-4301.

**Sincerely,**

  
\_\_\_\_\_  
**J. T. Conley**  
**District Manager**

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

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

## MECHANICAL INTEGRITY TEST CASING OR ANNULUS PRESSURE TEST

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

EPA WITNESS: \_\_\_\_\_ DATE: 3-7-03 TIME: 2:00  AM  PM  
TEST CONDUCTED BY: LYNN SMITH (ADVANTAGE OILFIELD SERV. INC.)  
OTHERS PRESENT: DENNIS J. PAULSON

WELL NAME: <u>RWU # 17 (41-20B)</u>		TYPE: <input checked="" type="checkbox"/> ER	STATUS: <input checked="" type="checkbox"/> AC <input type="checkbox"/> TA <input type="checkbox"/> UC
FIELD: <u>RED WASH</u>			
WELL LOCATION: <u>NENE SEC <sup>20</sup> T 7</u>		<input type="checkbox"/> N <input checked="" type="checkbox"/> S <u>R23</u>	<input checked="" type="checkbox"/> E <input type="checkbox"/> W COUNTY: <u>UINTAH</u> STATE: <u>UTAH</u>
OPERATOR: <u>SHENANDOAH ENERGY INC.</u>			
LAST MIT: <u>3/30/98</u>		MAXIMUM ALLOWABLE PRESSURE: <u>2064</u>	PSIG

IS THIS A REGULAR SCHEDULED TEST?  YES  NO

INITIAL TEST FOR PERMIT?  YES  NO

TEST AFTER WELL WORK?  YES  NO

WELL INJECTING DURING TEST?  YES  NO IF YES, RATE: 125 BPD

PRE-TEST CASING/TUBING ANNULUS PRESSURE: 0 PSIG

MIT DATA TABLE	TEST #1		TEST #2		TEST #3	
TUBING	PRESSURE					
INITIAL PRESSURE	<u>1790</u>	PSIG		PSIG		PSIG
END OF TEST PRESSURE	<u>1790</u>	PSIG		PSIG		PSIG

CASING/TUBING	ANNULUS		PRESSURE	
0 MINUTES	<u>1015</u>	PSIG		PSIG
5 MINUTES	<u>1015</u>	PSIG		PSIG
10 MINUTES	<u>1015</u>	PSIG		PSIG
15 MINUTES	<u>1015</u>	PSIG		PSIG
20 MINUTES	<u>1015</u>	PSIG		PSIG
25 MINUTES	<u>1015</u>	PSIG		PSIG
30 MINUTES	<u>1015</u>	PSIG		PSIG
MINUTES		PSIG		PSIG
MINUTES		PSIG		PSIG

RESULT  PASS  FAIL  PASS  FAIL  PASS  FAIL

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

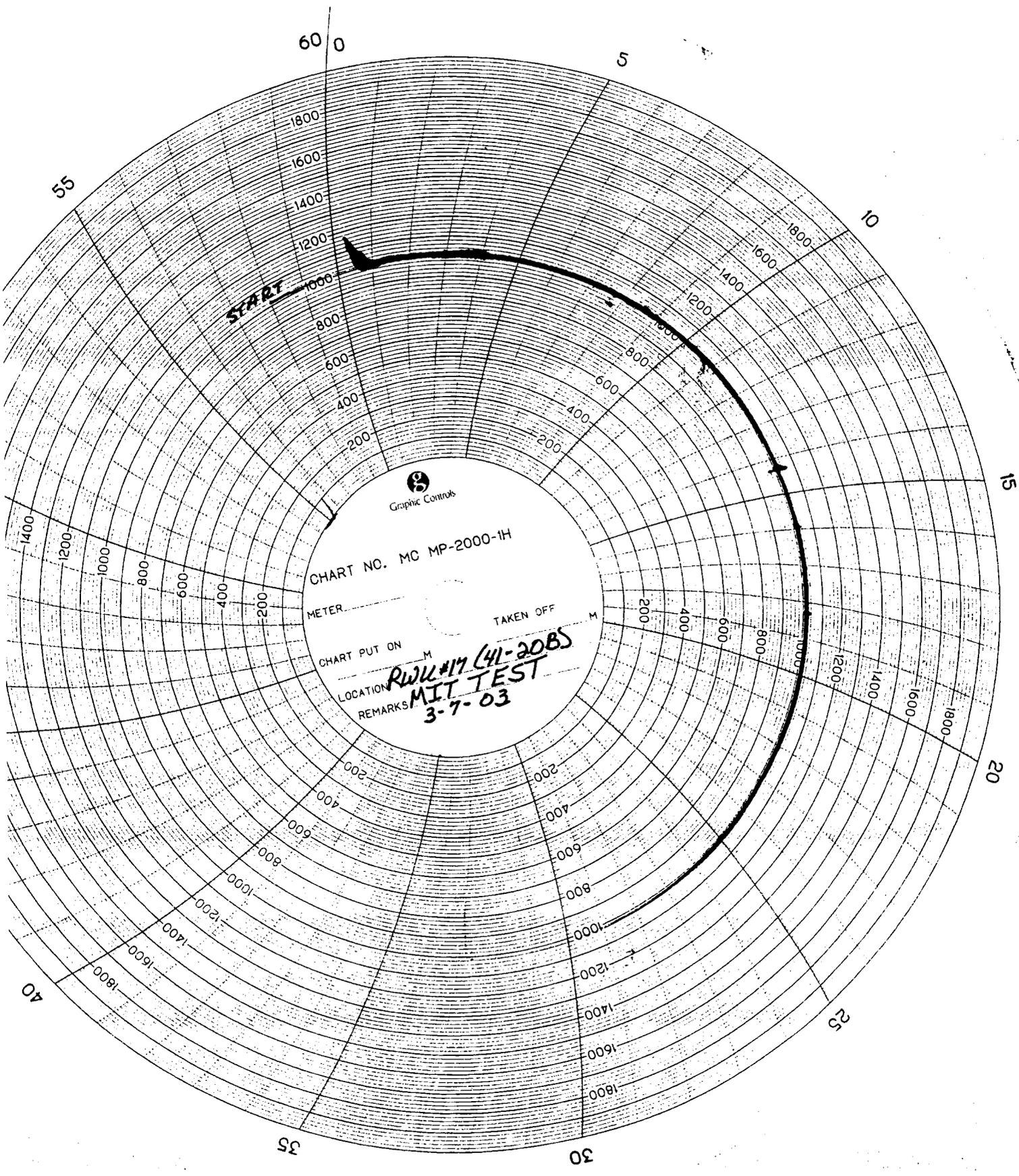


CHART NO. MC MP-2000-1H

METER

TAKEN OFF

CHART PUT ON

LOCATION

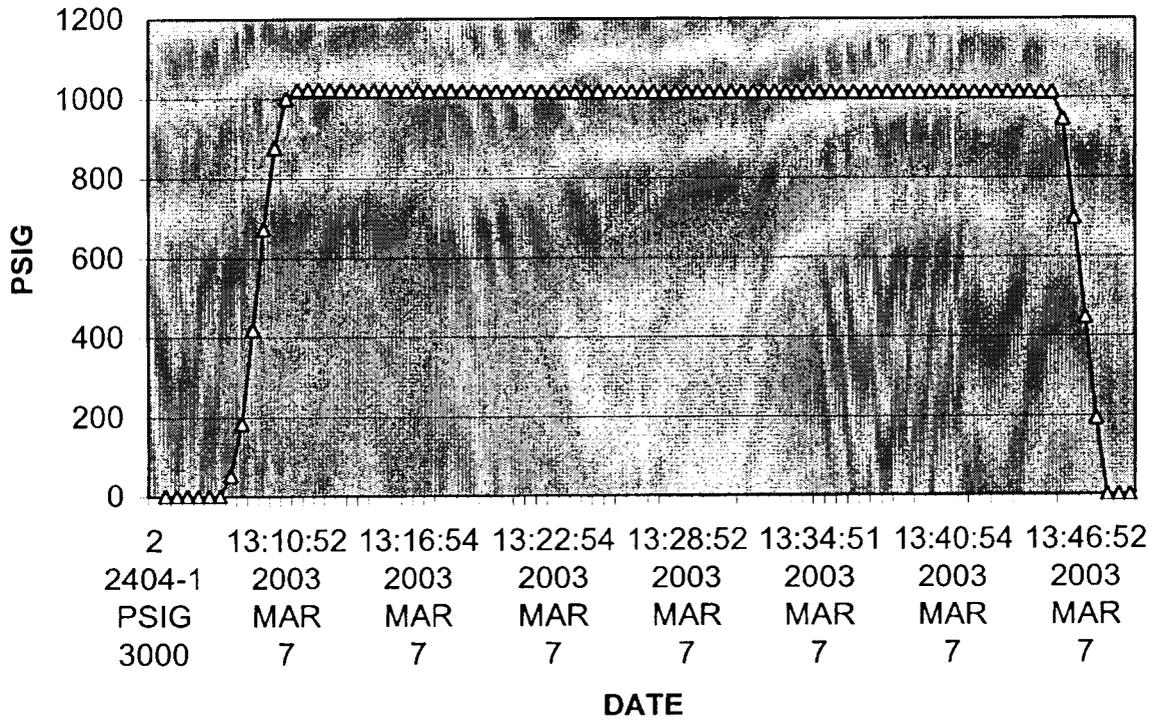
REMARKS

*RWU #17 (41-2085)*  
*MIT TEST*  
*3-7-03*

3000 PSIG	2404-1	2 OCT	2	RWU 41-20B				
DAY	MONTH	YEAR	TIME	TEST	SAMPLE	PSIG		
7	MAR	2003	13:05:52	8	1	0	24.4	79
7	MAR	2003	13:06:24	8	2	0	24.4	79
7	MAR	2003	13:06:52	8	3	0	24.4	79
7	MAR	2003	13:07:24	8	4	0	24.4	79
7	MAR	2003	13:07:52	8	5	0	24.4	79
7	MAR	2003	13:08:24	8	6	52.7	24.4	79
7	MAR	2003	13:08:52	8	7	185.31	24.4	78
7	MAR	2003	13:09:24	8	8	419.36	24.4	78
7	MAR	2003	13:09:52	8	9	673.4	24.4	78
7	MAR	2003	13:10:24	8	10	877.3	24.4	78
7	MAR	2003	13:10:52	8	11	1000.6	24.4	78
7	MAR	2003	13:11:24	8	12	1022.1	24.4	78
7	MAR	2003	13:11:52	8	13	1022.5	24.4	78
7	MAR	2003	13:12:24	8	14	1021.9	24.4	77
7	MAR	2003	13:12:52	8	15	1021.3	24.4	77
7	MAR	2003	13:13:24	8	16	1020.8	24.4	77
7	MAR	2003	13:13:52	8	17	1020.4	24.4	77
7	MAR	2003	13:14:24	8	18	1020.1	24.4	77
7	MAR	2003	13:14:51	8	19	1019.8	24.4	76
7	MAR	2003	13:15:22	8	20	1019.5	24.4	76
7	MAR	2003	13:15:54	8	21	1019.2	24.4	76
7	MAR	2003	13:16:22	8	22	1019	24.4	76
7	MAR	2003	13:16:54	8	23	1018.7	24.4	76
7	MAR	2003	13:17:22	8	24	1018.5	24.4	75
7	MAR	2003	13:17:54	8	25	1018.3	24.4	75
7	MAR	2003	13:18:22	8	26	1018.2	24.4	75
7	MAR	2003	13:18:54	8	27	1018	24.4	75
7	MAR	2003	13:19:22	8	28	1017.8	24.4	75
7	MAR	2003	13:19:54	8	29	1017.7	24.4	75
7	MAR	2003	13:20:22	8	30	1017.5	24.4	75
7	MAR	2003	13:20:54	8	31	1017.4	24.4	75
7	MAR	2003	13:21:22	8	32	1017.3	24.4	75
7	MAR	2003	13:21:54	8	33	1017.2	24.4	75
7	MAR	2003	13:22:22	8	34	1017	24.4	75
7	MAR	2003	13:22:54	8	35	1016.9	24.4	74
7	MAR	2003	13:23:22	8	36	1016.8	24.4	74
7	MAR	2003	13:23:54	8	37	1016.8	24.4	74
7	MAR	2003	13:24:22	8	38	1016.7	24.4	74
7	MAR	2003	13:24:54	8	39	1016.6	24.4	74
7	MAR	2003	13:25:21	8	40	1016.5	24.4	74
7	MAR	2003	13:25:52	8	41	1016.4	24.4	74
7	MAR	2003	13:26:24	8	42	1016.3	24.4	74
7	MAR	2003	13:26:52	8	43	1016.2	24.4	74
7	MAR	2003	13:27:24	8	44	1016.2	24.4	74
7	MAR	2003	13:27:52	8	45	1016.1	24.4	74
7	MAR	2003	13:28:24	8	46	1016.1	24.4	74
7	MAR	2003	13:28:52	8	47	1016	24.4	74
7	MAR	2003	13:29:24	8	48	1016	24.4	74
7	MAR	2003	13:29:52	8	49	1015.9	24.4	74
7	MAR	2003	13:30:24	8	50	1015.8	24.4	74

7 MAR	2003	13:30:52	8	51	1015.8	24.4	74
7 MAR	2003	13:31:24	8	52	1015.7	24.4	74
7 MAR	2003	13:31:52	8	53	1015.7	24.4	74
7 MAR	2003	13:32:24	8	54	1015.6	24.4	74
7 MAR	2003	13:32:52	8	55	1015.6	24.4	74
7 MAR	2003	13:33:24	8	56	1015.5	24.4	74
7 MAR	2003	13:33:52	8	57	1015.5	24.4	74
7 MAR	2003	13:34:24	8	58	1015.4	24.4	74
7 MAR	2003	13:34:51	8	59	1015.4	24.4	74
7 MAR	2003	13:35:22	8	60	1015.4	24.4	74
7 MAR	2003	13:35:54	8	61	1015.3	24.4	74
7 MAR	2003	13:36:22	8	62	1015.3	24.4	74
7 MAR	2003	13:36:54	8	63	1015.3	24.4	74
7 MAR	2003	13:37:22	8	64	1015.2	24.3	74
7 MAR	2003	13:37:54	8	65	1015.2	24.3	74
7 MAR	2003	13:38:22	8	66	1015.1	24.3	74
7 MAR	2003	13:38:54	8	67	1015.1	24.3	74
7 MAR	2003	13:39:22	8	68	1015.1	24.3	74
7 MAR	2003	13:39:54	8	69	1015	24.3	74
7 MAR	2003	13:40:22	8	70	1015	24.3	73
7 MAR	2003	13:40:54	8	71	1015	24.3	73
7 MAR	2003	13:41:22	8	72	1014.9	24.3	73
7 MAR	2003	13:41:54	8	73	1014.9	24.3	73
7 MAR	2003	13:42:22	8	74	1014.8	24.3	73
7 MAR	2003	13:42:54	8	75	1014.8	24.3	72
7 MAR	2003	13:43:22	8	76	1014.8	24.3	72
7 MAR	2003	13:43:54	8	77	1014.7	24.3	72
7 MAR	2003	13:44:21	8	78	1014.7	24.3	72
7 MAR	2003	13:44:52	8	79	1014.6	24.3	71
7 MAR	2003	13:45:24	8	80	1014.6	24.3	71
7 MAR	2003	13:45:52	8	81	946.8	24.3	71
7 MAR	2003	13:46:24	8	82	697.7	24.3	71
7 MAR	2003	13:46:52	8	83	448.54	24.3	71
7 MAR	2003	13:47:24	8	84	194.72	24.3	70
7 MAR	2003	13:47:52	8	85	0	24.3	70
7 MAR	2003	13:48:24	8	86	0	24.3	70
7 MAR	2003	13:48:52	8	87	0	24.3	70

### 41-20B MIT



2	13:10:52	13:16:54	13:22:54	13:28:52	13:34:51	13:40:54	13:46:52
2404-1	2003	2003	2003	2003	2003	2003	2003
PSIG	MAR						
3000	7	7	7	7	7	7	7

DATE

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

**X Operator Name Change**

Merger

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

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

<b>WELL(S)</b>									
NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
RWU 100-A (43-21A)	21	070S	220E	4304715219	5670	Federal	WI	A	
RWU 102 (41-24A)	24	070S	220E	4304715221	5670	Federal	WI	A	
RWU 12-24A	24	070S	220E	4304733591	5670	Federal	WI	A	
RWU 11-25A	25	070S	220E	4304733574	5670	Federal	WI	A	
RWU 13-25A	25	070S	220E	4304733575	5670	Federal	WI	A	
RWU 14 (14-13B)	13	070S	230E	4304715144	5670	Federal	WI	A	
RWU 156 (23-15B)	15	070S	230E	4304715267	5670	Federal	WI	A	
RED WASH UNIT 261	17	070S	230E	4304732739	5670	Federal	WI	A	
RWU 11-19B	19	070S	230E	4304733552	5670	Federal	WI	A	
RWU 13-19B	19	070S	230E	4304733497	5670	Federal	WI	A	
RWU 11-20B	20	070S	230E	4304733553	5670	Federal	WI	A	
RWU 13-20B	20	070S	230E	4304733493	5670	Federal	WI	A	
RWU 161 (14-20B)	20	070S	230E	4304715271	5670	Federal	WI	I	
RWU 17 (41-20B)	20	070S	230E	4304715146	5670	Federal	WI	A	
RWU 148 (13-22B)	22	070S	230E	4304715261	5670	Federal	WI	A	
RWU 150 (31-22B)	22	070S	230E	4304715263	5670	Federal	WI	I	
RWU 11	27	070S	230E	4304715142	5670	Federal	WI	A	
RWU 16 (43-28B)	28	070S	230E	4304716475	5670	Federal	WI	I	
RWU 11-29B	29	070S	230E	4304733590	5670	Federal	WI	A	
RWU 11-30B	30	070S	230E	4304733785	5670	Federal	WI	A	

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

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

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 9/16/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 9/16/2003
3. Bond information entered in RBDMS on: n/a
4. Fee wells attached to bond in RBDMS on: n/a

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

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

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

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

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

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

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965-003-033
2. The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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Questar Exploration and Production Company

Independence Plaza

1050 17th Street, Suite 500

Denver, CO 80265

Tel 303 672 6900 • Fax 303 294 9632

March 18, 2003

Denver Division

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

RE: RWU # 17 (41-20B), UIC # UT2810-04346  
RWU # 68 (41-13B), UIC # UT02429  
RWU # 170 (41-15B), UIC # UT02436  
RWU # 283 (43-18B), UIC # UT2833-04346

43-047-15146

Dear Mr. Craver;

Enclosed for the subject wells are MIT results including the Casing or Annulus Pressure test form and the pressure test chart. All MIT's for these wells were regularly scheduled tests.

If you have any questions or need additional information, I can be reached at (303) 308-3052. Thank you for your time in this matter.

Sincerely,

Scott M. Webb  
Regulatory Coordinator

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

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

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



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

Denver Division

May 28, 2003

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

Attention: John Baza/Jim Thompson

Gentlemen:

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

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

Yours truly,

Frank Nielsen  
Division Landman

Enclosure

RECEIVED

JUN 02 2003

DIV. OF OIL, GAS & MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO  
UT-922

June 9, 2003

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

Re: Red Wash Unit  
Uintah County, Utah

Gentlemen:

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

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

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

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

UT922:TAThompson:tt:6/9/03

**JUL 07 2003**

3104 (932.34)WF  
Nationwide Bond ESB000024

**NOTICE**

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

:  
: Oil and Gas  
: lease  
:

Name Change Recognized

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

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

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

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

*S/ Wilbert B. Forbes*

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

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

TRANSFER OF AUTHORITY TO INJECT

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

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

**CURRENT OPERATOR**

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

**NEW OPERATOR**

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

(This space for State use only)

Transfer approved by: [Signature]  
Title: Prob. Services Manager

Approval Date: 9-10-03

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

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DIV. OF OIL, GAS & MINING

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

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

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

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

Change of Operator (Well Sold)

**X - Operator Name Change/Merger**

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

**1/1/2007**

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

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

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

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

4/30/2007 and 5/15/2007

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

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

4/30/2007 and 5/15/2007

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

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)  
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Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 127 (12-19B)	RW 12-19B	SWNW	19	070S	230E	4304715244	5670	Federal	OW	S
RWU 129 (14-15B)	RW 14-15B	SWSW	15	070S	230E	4304715246	5670	Federal	OW	P
RWU 133 (41-34B)	RW 41-34B	NENE	34	070S	230E	4304715250	5670	Federal	OW	P
RWU 136 (43-19B)	RW 43-19B	NESE	19	070S	230E	4304715252	5670	Federal	OW	TA
RWU 137 (34-28B)	RW 34-28B	SWSE	28	070S	230E	4304715253	5670	Federal	GW	TA
RWU 138 (41-30B)	RW 41-30B	NENE	30	070S	230E	4304715254	5670	Federal	OW	P
RWU 140 (24-22B)	RW 24-22B	SESW	22	070S	230E	4304715255	5670	Federal	OW	P
RWU 141 (11-27B)	RW 11-27B	NWNW	27	070S	230E	4304715256	5670	Federal	OW	TA
RWU 143 (33-14B)	RW 33-14B	NWSE	14	070S	230E	4304715257	5670	Federal	OW	P
RWU 144 (21-18B)	RW 21-18B	NENW	18	070S	230E	4304715258	5670	Federal	OW	TA
RW 24-13B	RW 24-13B	SESW	13	070S	230E	4304715259	5670	Federal	OW	TA
RWU 147 (22-22B)	RW 22-22B	SESW	22	070S	230E	4304715260	5670	Federal	OW	TA
RWU 148 (13-22B)	RW 13-22B	NWSW	22	070S	230E	4304715261	99996	Federal	WI	A
RWU 150 (31-22B)	RW 31-22B	NWNE	22	070S	230E	4304715263	99996	Federal	WI	I
RWU 151 (42-14B)	RW 42-14B	SENE	14	070S	230E	4304715264	5670	Federal	OW	P
RWU 153 (14-29B)	RW 14-29B	SWSW	29	070S	230E	4304715265	5670	Federal	OW	P
RWU 156 (23-15B)	RW 23-15B	NESW	15	070S	230E	4304715267	99990	Federal	WI	A
RWU 158 (32-30B)	RW 32-30B	SWNE	30	070S	230E	4304715268	5670	Federal	OW	P
RWU 160 (32-15B)	RW 32-15B	SWNE	15	070S	230E	4304715270	5670	Federal	OW	P
RWU 161 (14-20B)	RW 14-20B	SWSW	20	070S	230E	4304715271	99996	Federal	WI	I
RWU 162 (12-20B)	RW 12-20B	SWNW	20	070S	230E	4304715272	5670	Federal	OW	P
RWU 164 (12-28B)	RW 12-28B	SWNW	28	070S	230E	4304715274	5670	Federal	OW	P
RWU 165 (32-26B)	RW 32-26B	SWNE	26	070S	230E	4304715275	5670	Federal	GW	TA
RWU 167 (23-21B)	RW 23-21B	NESW	21	070S	230E	4304715277	5670	Federal	OW	S
RWU 168 (23-24B)	RW 23-24B	NESW	24	070S	230E	4304715278	5670	Federal	OW	TA
RWU 172 (21-30B)	RW 21-30B	NENW	30	070S	230E	4304715280	5670	Federal	OW	TA
RWU 174 (21-20B)	RW 21-20B	NENW	20	070S	230E	4304715281	5670	Federal	WI	A
RWU 176 (31-28B)	RW 31-28B	NWNE	28	070S	230E	4304715283	5670	Federal	OW	TA
RWU 177 (42-28B)	RW 42-28B	SENE	28	070S	230E	4304715284	5670	Federal	OW	TA
RW 22-13B	RW 22-13B	SESW	13	070S	230E	4304715285	5670	Federal	OW	TA
RWU 180 (31-23B)	RW 31-23B	NWNE	23	070S	230E	4304715287	5670	Federal	OW	TA
RWU 181 (34-30B)	RW 34-30B	SWSE	30	070S	230E	4304715288	5670	Federal	OW	P
RW 33-13B	RW 33-13B	NWSE	13	070S	230E	4304715289	5670	Federal	WI	A
RWU 184 (23-26B)	RW 23-26B	NESW	26	070S	230E	4304715290	5670	Federal	GW	S
RWU 188 (23-20B)	RW 23-20B	NESW	20	070S	230E	4304715291	5670	Federal	OW	TA
RWU 192 (41-33A)	RW 41-33A	NENE	33	070S	220E	4304715294	5670	Federal	OW	P
RWU 193 (43-24B)	RW 43-24B	NESE	24	070S	230E	4304715295	5670	Federal	GW	TA
RWU 194 (12-14B)	RW 12-14B	SWNW	14	070S	230E	4304715296	5670	Federal	OW	S
RWU 196 (23-17C)	RW 23-17C	NESW	17	070S	240E	4304715298	5670	Federal	GW	TA
RWU 199 (43-22A)	RW 43-22A	NESE	22	070S	220E	4304715301	99996	Federal	WI	A
RWU 201 (32-28C)	RW 32-28C	SWNE	28	070S	240E	4304715302	5670	Federal	GW	P

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

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

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

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

## RED WASH UNIT

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

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 <small>CITY</small> Denver STATE CO ZIP 80265		7. UNIT or CA AGREEMENT NAME: see attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached		8. WELL NAME and NUMBER: see attached
QTR/GTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: attached
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT:
STATE: UTAH		

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

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

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

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

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

Utah State Bond Number: 965003033

Fee Land Bond Number: 965003033

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

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

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

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

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs  
SIGNATURE [Signature] DATE 3/16/2007

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APR 19 2007

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<b>1. TYPE OF WELL</b> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> see attached
<b>2. NAME OF OPERATOR:</b> QUESTAR EXPLORATION AND PRODUCTION COMPANY		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> see attached
<b>3. ADDRESS OF OPERATOR:</b> 1050 17th Street Suite 500 City Denver STATE CO ZIP 80265		<b>7. UNIT or CA AGREEMENT NAME:</b> see attached
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: attached		<b>8. WELL NAME and NUMBER:</b> see attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		<b>9. API NUMBER:</b> attached
COUNTY: Uintah		<b>10. FIELD AND POOL, OR WILDCAT:</b>
STATE: UTAH		

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

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

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

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

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

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



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO  
3180  
UT-922

April 23, 2007

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

Re: Red Wash Unit  
Uintah County, Utah

Gentlemen:

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

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

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

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

Sincerely,

/s/ Greg J. Noble

Greg J. Noble  
Acting Chief, Branch of Fluid Minerals

Enclosure

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

UT922:TAThompson:tt:4/23/07

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APR 30 2007  
DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET** (for state use only)

**ROUTING**  
 CDW

Change of Operator (Well Sold)

**X - Operator Name Change**

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

**6/14/2010**

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

CA No. Unit: RED WASH

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2) Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to Inject, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

**DATA ENTRY:**

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

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 965010693
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- The **FORMER** operator has requested a release of liability from their bond on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: See attached
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: See attached
2. NAME OF OPERATOR: Questar Exploration and Production Company <b>N5085</b>		8. WELL NAME and NUMBER: See attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 <small>CITY</small> Denver <small>STATE</small> CO <small>ZIP</small> 80265		9. API NUMBER: Attached
PHONE NUMBER: <b>(303) 672-6900</b>		10. FIELD AND POOL, OR WILDCAT: See attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: See attached		COUNTY: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

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

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

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

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:  
 Federal Bond Number: 965002976 (BLM Reference No. ESB000024) **N3700**  
 Utah State Bond Number: ~~965003033~~  
 Fee Land Bond Number: ~~965003033~~ } **965010695**  
 BIA Bond Number: ~~799446~~ } **965010693**

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

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst  
 SIGNATURE Morgan Anderson DATE 6/23/2010

(This space for State use only)

**RECEIVED**  
**JUN 28 2010**

DIV. OF OIL, GAS & MINING

(See Instructions on Reverse Side)

**APPROVED** 613012009  
*Earlene Russell*  
 Division of Oil, Gas and Mining  
 Earlene Russell, Engineering Technician

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 41-33B	33	070S	230E	4304720060	5670	Federal	WD	A	
RW 43-28A	28	070S	220E	4304730058	5670	Federal	WD	A	
RW 34-27B	27	070S	230E	4304715142	5670	Federal	WI	A	
RW 14-13B	13	070S	230E	4304715144	5670	Federal	WI	A	
RW 41-20B	20	070S	230E	4304715146	5670	Federal	WI	A	
RW 21-23B	23	070S	230E	4304715151	5670	Federal	WI	A	
RW 23-14B	14	070S	230E	4304715161	5670	Federal	WI	A	
RW 41-28B	28	070S	230E	4304715182	5670	Federal	WI	A	
RW 23-18B	18	070S	230E	4304715210	5670	Federal	WI	A	
RW 43-21A	21	070S	220E	4304715219	5670	Federal	WI	A	
RW 41-24A	24	070S	220E	4304715221	5670	Federal	WI	A	
RW 13-22B	22	070S	230E	4304715261	5670	Federal	WI	A	
RW 23-15B	15	070S	230E	4304715267	5670	Federal	WI	A	
RW 21-20B	20	070S	230E	4304715281	5670	Federal	WI	A	
RW 33-13B	13	070S	230E	4304715289	5670	Federal	WI	A	
RW 21-34A	34	070S	220E	4304715303	5670	Federal	WI	I	
RW 14-24B	24	070S	230E	4304716472	5670	Federal	WI	A	
RW 41-27B	27	070S	230E	4304716473	5670	Federal	WI	I	
RW 43-28B	28	070S	230E	4304716475	5670	Federal	WI	S	
RW 23-23B	23	070S	230E	4304716476	5670	Federal	WI	A	
RW 12-24B	24	070S	230E	4304716477	5670	Federal	WI	A	
RW 33-22B	22	070S	230E	4304716479	5670	Federal	WI	A	
RW 41-21B	21	070S	230E	4304716482	5670	Federal	WI	A	
RW 41-15B	15	070S	230E	4304716495	5670	Federal	WI	I	
RW 21-21B	21	070S	230E	4304716496	5670	Federal	WI	A	
RW 14-21B	21	070S	230E	4304716497	5670	Federal	WI	A	
RW 41-14B	14	070S	230E	4304716498	5670	Federal	WI	A	
RW 21-27A	27	070S	220E	4304730103	5670	Federal	WI	A	
RW 34-22A	22	070S	220E	4304730458	5670	Federal	WI	A	
RW 24-26B	26	070S	230E	4304730518	5670	Federal	WI	I	
RW 31-35B	35	070S	230E	4304730519	5670	Federal	WI	A	
RW 33-26B	26	070S	230E	4304730521	5670	Federal	WI	I	
RW 13-26B	26	070S	230E	4304730522	5670	Federal	WI	A	
RW 11-36B	36	070S	230E	4304731052	5670	Federal	WI	A	
RW 31-26B	26	070S	230E	4304731077	5670	Federal	WI	A	
RW 42-35B	35	070S	230E	4304731081	5670	Federal	WI	I	
RW 23-17B	17	070S	230E	4304732739	5670	Federal	WI	A	
RW 43-17B	17	070S	230E	4304732980	5670	Federal	WI	A	
RW 43-18B	18	070S	230E	4304732982	5670	Federal	WI	A	
RW 13-19B	19	070S	230E	4304733497	5670	Federal	WI	A	
RW 13-20B	20	070S	230E	4304733498	5670	Federal	WI	A	
RW 33-19B	19	070S	230E	4304733499	5670	Federal	WI	A	
RW 33-20B	20	070S	230E	4304733500	5670	Federal	WI	A	
RW 11-19B	19	070S	230E	4304733552	5670	Federal	WI	A	

Bonds: BLM = ESB000024

BIA = 956010693

State = 965010695

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

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 11-20B	20	070S	230E	4304733553	5670	Federal	WI	A	
RW 31-19B	19	070S	230E	4304733555	5670	Federal	WI	A	
RW 34-24A	24	070S	220E	4304733568	5670	Federal	WI	A	
RW 11-25A	25	070S	220E	4304733574	5670	Federal	WI	A	
RW 13-25A	25	070S	220E	4304733575	5670	Federal	WI	A	
RW 31-25A	25	070S	220E	4304733577	5670	Federal	WI	A	
RW 33-25A	25	070S	220E	4304733578	5670	Federal	WI	TA	
RW 11-29B	29	070S	230E	4304733590	5670	Federal	WI	A	
RW 12-24A	24	070S	220E	4304733591	5670	Federal	WI	A	
RW 34-13A	13	070S	220E	4304733593	5670	Federal	WI	A	
RW 11-30B	30	070S	230E	4304733785	5670	Federal	WI	A	
RW 31-30B	30	070S	230E	4304733788	5670	Federal	WI	A	
RW 33-30B	30	070S	230E	4304733790	5670	Federal	WI	A	

Bonds: BLM = ESB000024  
 BIA = 956010693  
 State = 965010695



## United States Department of the Interior

### BUREAU OF LAND MANAGEMENT

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



IN REPLY REFER TO:  
3100  
(UT-922)

JUL 28 2010

#### Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office  
From: Chief, Branch of Minerals *Roger L. Bankart*  
Subject: Name Change Recognized

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

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

cc: MMS  
UDOGM

RECEIVED

AUG 16 2010

DIV OF OIL, GAS & MINERALS

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

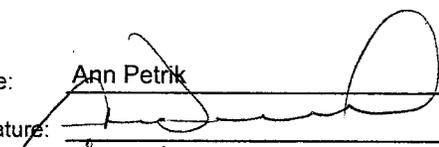
UIC FORM 5

**TRANSFER OF AUTHORITY TO INJECT**

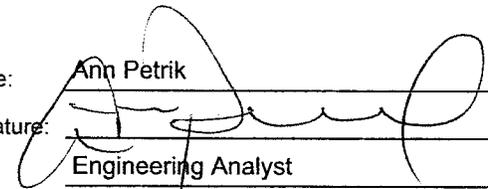
Well Name and Number See Attached List	API Number Attached
Location of Well	Field or Unit Name Attached
Footage : Attached	County :
QQ, Section, Township, Range:	State : UTAH
	Lease Designation and Number Attached

EFFECTIVE DATE OF TRANSFER: 6/14/2010

**CURRENT OPERATOR**

Company: <u>Questar Exploration and Production Company</u>	Name: <u>Ann Petrik</u>
Address: <u>1050 17th Street, Suite 500</u>	Signature: 
city <u>Denver</u> state <u>CO</u> zip <u>80265</u>	Title: <u>Engineering Analyst</u>
Phone: <u>(303) 672-6900</u>	Date: <u>6/28/2010</u>
Comments:	

**NEW OPERATOR**

Company: <u>QEP Energy Company</u>	Name: <u>Ann Petrik</u>
Address: <u>1050 17th Street, Suite 500</u>	Signature: 
city <u>Denver</u> state <u>CO</u> zip <u>80265</u>	Title: <u>Engineering Analyst</u>
Phone: <u>(303) 672-6900</u>	Date: <u>6/28/2010</u>
Comments:	

(This space for State use only)

Transfer approved by: \_\_\_\_\_

Approval Date: \_\_\_\_\_

Title: \_\_\_\_\_

Comments:

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

EPA approved well

Date: 6/29/10

By: D. Jones

**RECEIVED**

JUN 28 2010

<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> UTU-0569
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection 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 41-20B
<b>3. ADDRESS OF OPERATOR:</b> 11002 East 17500 South , Vernal, Ut, 84078		<b>9. API NUMBER:</b> 43047151460000
<b>PHONE NUMBER:</b> 303 595-5919 Ext		<b>9. FIELD and POOL or WILDCAT:</b> RED WASH
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0660 FNL 0660 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 20 Township: 07.0S Range: 23.0E 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 type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/5/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Resume Injection"/>

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

Please be advised that the RW 41-20B injection well resumed injection on October 5, 2016 at approximately 4:00 pm. Please update the well status.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
October 19, 2016**

<b>NAME (PLEASE PRINT)</b> Laura Abrams	<b>PHONE NUMBER</b> 303 260-6745	<b>TITLE</b> Sr. Regulatory Affairs Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/10/2016	