

Scout Report sent out

Noted in the NID File

Location map pinned

Approval or Disapproval Letter

Date Completed, P. & A, or operations suspended 6-13-59

Pin changed on location map

Affidavit and Record of A & P

Water Shut-Off Test

Gas On kerro Test

Well Log Filed

Subsequent Report of Abandonment

6-65

FILE NOTATIONS

Entered in NID File	<input checked="" type="checkbox"/>	Checked by Chief	_____
Sheet	<input checked="" type="checkbox"/>	Copy NID to Field Office	_____
Map Pinned	<input checked="" type="checkbox"/>	Approval Letter	...UNIT
State of Fee Land	<input checked="" type="checkbox"/>	Disapproval Letter	_____

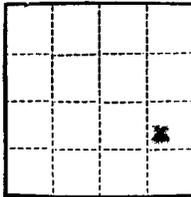
TO DATA:

DW Well Completed	<u>6-13-59</u>	Location Inspected	_____
GW <input checked="" type="checkbox"/> W/V	TA _____	Bond released	_____
GW _____ OS _____	PA <input checked="" type="checkbox"/>	State of Fee Land	_____

LOSS FILED

D Loc	<input checked="" type="checkbox"/>	E-I	<input checked="" type="checkbox"/>	GR	_____	GR-N	_____	Micro	<input checked="" type="checkbox"/>
Ei Logs (No.)	<u>3</u>	Lat	_____	M-L	_____	Sonic	_____	Others	<u>Sound Bond</u>

Directional Survey



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City

Lease No. U-0559

Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Vernal, Utah May 4, 1959

Well No. (100) 43-21A is located 660 ft. SE 1/4 NE and 660 ft. SW 1/4 SE of sec. 21A

NE 1/4 SE 1/4 21A 79 22E 36N

(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 Junction above sea level is 5345 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 producing interval with sufficient cement to reach 4000'.

Top Green River	3080'
"E" Point	5150'
"K" Point	5765'

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

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

Address P. O. Box 455

Vernal, Utah

By C. V. [Signature] 5/4/59

Title District Superintendent

USGS-3; OMS-1; Galf-1; Calkins-1;
CWS - 1; File - 1.

" lieu of Form 9-330"
C-600

COMPLETION REPORT -- NEW WELL
STANDARD OIL COMPANY OF CALIFORNIA

FIELD: Red Wash

PROPERTY: Section 21A

WELL NO: 43-21A (100)

Sec 21 T. 7S R. 22E S1/4 B. & M.

LOCATION: 660' S and 660' W of E 1/4 corner
Section 21A.

LAND OFFICE: Salt Lake City
LEASE NO.: U-0599

ELEVATION: 5345' K.B.

K.B. is 12' above sand,

DATE August 19, 1959

By G. V. CHRISTERTON 9/24/59
Superintendent, Drilling Department

DRALED BY: Kerr-McGee Oil Industries, Inc.

DATE COMMENCED DRILLING: May 4, 1959

DATE COMPLETED DRILLING: May 24, 1959

DATE OF INITIAL PRODUCTION: June 13, 1959

PRODUCTION:	Daily average, 1st	30	days	Gravity	26.0	° API	Pumping	X
	Oil	140	Bbls.	T.P.	160	PSI	Flowing	
	Water	149	Bbls.	C.P.	0	PSI	Gas Lift	
	Gas	111	Mcf.	Beam	164"			

S U M M A R Y

T.D.: 5895'

EFFECTIVE DEPTH: 5880'

CASING:

10 3/4" cmtd. 234'
7" cmtd. 5894'

PERFORATIONS:

5790 - 5760'

LOGS RUN:

Schlumberger Induction-ES 5686-234
Micro-Caliper 5891-2000
McCullough Gamma
Collar Locator 5876-5376

MARKERS:

TGR 3070
"H" 5150
"I" 5332
"J" 5618
"K" 5760

DST #1 - 5686 - 5695'

WELL NO: 43-21A' (#100)

PROPERTY: Section 21A

RED WASH FIELD

16" conductor cmtd 23' w/20 sax cmt.

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

Well spudded 6:00 a.m. May 4, 1959. Drilled 15" hole to 243'.

Cemented 10 3/4" casing at 234' with 180 sacks Ideal Construction cement mixed with 2% calcium chloride. Pumped 10 bbl of water ahead. Mixed cement to 15.5-16#/gal slurry.

Casing detail:

All 7 jts. or	221.57	10 3/4", 40.5#, J-55, ST&C fitted with Guide shoe on bottom
1 jt.	19.00	10 3/4" landing joint
On hook	240.57	
	7.00	up on 1dg jt.
Landed	233.57'	

243' - 1470' - 1227' Drilled 9" hole

Installed J-W gas detector at 1439'. 0 units gas 1439-2431; 0 - 1 units 2431-2492; 8 1/2 units gas at 2492'.

Drilled 9" hole to 5895', T.D. 4425' Drilled.

May 22, 1959

Ran Schlumberger Induction-ES from 5886-235; also Micro-Caliper and recorded from 5891 to 2000'. TGR - 3070', "H" - 5150', "I" - 5332', "J" - 5618', "K" - 5760'.

HFT #1 of interval 5685-5695'. Ran sidewall anchor tester on 4 1/2" DP. No cushion. 359' of 6 1/2" DC's, Halliburton jars, TIW safety jt, 7 3/4" OD packers, 5" dual OIP valve hydrospring tool 1" Bean. Set packers at 5679, 5685 and 5695'. Took 5 min flow test, 30 min ICIP, 1 hr flow and 3/4 hr FCIP. Had a very light blow of air steadily incr to a maximum rate of 5 MCF/D est. in 15 min. Steady blow at est 5 MCF/D for remainder of test. No gas to surface. Rec. 275' rise in 4 1/2" DP and 260' of 6 1/2" DC's. Top 101' gassy oil with 5% mud at bottom, next 87' gassy oil with 10% mud at top, grading to 80% mud at bottom; bottom 87' mud with 15% oil at top. Grading to thin mud with a scum of oil (5%) at bottom. Resistivity of ditch sample, sample 87' above tool and at tool tested 4.0, 2.6 and 1.05 ohmmeters respectively @ 60°.

Pressures: Top - IH-2827; ICIP-1980; IF-62; FF-90; FCIP-1932; FH-2801; outside BT IH-2840; ICIP-1980; IF-70; FF-98; FCIP-1948; FH-2817; Outside PRD - IH-2830; FCIP-2300; FH-2750.

May 23, 1959

Ran 5901.78' of 7" casing to 5894' and cemented with 360 sax Ideal common cmt mixed to an average 15.5#/gal slurry. Preceded cement with 10 bbl water. Moved pipe 10-15' during entire cementing operations. 17 min mixing and 19 min displacing at pressures of 400 to 1100 psi. Plug bumped under 1600 psi final pressure. Cement in place. Had partial circulation throughout job.

WELL NO: 43-21A (#100)

PROPERTY: Section 21A

RED WASH FIELD

Casing detail:

Bottom 8 jts.	329.35	7", 23#, N-80, LT&C, new, smls, CF&I (bottom jt fitted with guide shoe and flexi-flow collar.
Top 133 jts.	<u>5572.43</u>	7", 23#, J-55, ST&C, new smls, CF&I.
Total 141 jts.	5901.78'	
	<u>7.78'</u> up	
Landed	5894'	

7
7" casing fitted with centralizers 3' up on bottom jt and 3' up on 2nd jt; also on collars on jts 2, 3, 4, 5, 6, 7, 8, 9, 10 and 11. Stop rings and Baker scratchers on 6' centers as follows: on entire length of jts #1, 2, 3, and 4, jt #5 1 on bottom and 3 on top, jt #6 1 on bottom 2 on top; jt #7 - 2 on bottom, jt #9 - 2 on top, jt #10 - 2 on bottom.

May 24, 1959

Drilled out cement to 5880' and displaced hole fluid w/Rangely crude.
Ran McCullough Gamma-Collar locator 5876-5376'.
Bullet perforated 7" casing from 5790-5760 with 4 - 1/2" M-3 bullet holes/ft.
Landed 2 1/2" tubing in Dowell frac head above BOP at 5373' with saw tooth collar on bottom.

Tubing detail:

KB to frac head	6'	
169 jts or	<u>5366.82'</u>	2 1/2" EUE, J-55, 8rd, new, CF&I
Landed	5372.82'	

Pumped 20 bbl Rangely crude down 7" x 10 3/4" annulus.

Crew released 2:00 p.m. May 24, 1959.

May 27, 1959

R&R Well Service moved in and rigged up.
Displaced 300 gal Dowell inhibited acid down tubing and displaced with 46 bbl burner fuel under 2200 psi max press. Broke back to 1000 psi when acid hit perms.
Displaced acid to top of perms leaving 50 gal acid inside casing. Let acid pickle 3 hrs. 30 min.

Sand oil squeezed perforations 5760-5790 with 270 bbl burner fuel-Rangely crude mixed with 42,500# 20-40 Mesh Ottawa sand and 550# Adomite. Formation broke down under 2300 psi @ 28 BPM rate. Pressures varied from 2200 psi to 2450 psi and at rates of from 27 BPM to 27 1/2 BPM. Displaced with 179 bbl burner fuel. Pressure declined from 1000 psi, immediately after shutting down, to 300 psi after 18 min.

Ran tubing and rods May 29, 1959.

Tubing detail:

179 jts. EUE, 6.5#, J-55	5684.97	
Pup	10.15	
PSN	1.10	
Gas anchor	30.00	
KB. to tubing head	<u>12.00</u>	
	5738.22	PSN @ 5698.07.

Crew released May 29, 1959.

T. R. HULL

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RE-COMPLETION ~~OR ABANDONMENT~~ REPORT

STANDARD OIL COMPANY OF CALIFORNIA

D E C C

FIELD: Red Wash

PROPERTY: Section 21A

WELL NO: 43-21A (100)

Sec. 21 T. 7S R. 22E S.L.B. & M.

Following is complete and correct record of all work done on the well since the previous record dated August 19, 1959

PURPOSE OF WORK:

Expose the J - J_A interval and the J_C - J_D interval

DATE OF REPORT: March 16, 1961

BY: C. V. CHATTERTON
Supt. ~~MANAGER~~ Producing Department

WORK DONE BY: R&R Well Service

COMMENCED OPERATIONS: December 15, 1960

COMPLETED OPERATIONS: December 23, 1960

DATE WELL LAST PRODUCED: December 14, 1960

DATE RETURNED TO PRODUCTION: December 29, 1960

PRODUCTION:

	PRIOR TO WORK		AFTER WORK	
Oil	101	B/D	200	B/D
Water	122	B/D	180	B/D
Gas	163	Mcf/D	125	Mcf/D
Gravity	26.0	°API		°API
Tubing	100	PSIG	235	PSIG
Casing	-	PSIG	-	PSIG
Method of Production:	X		X	
Pumping				
Flowing				
Gas Lift				

S U M M A R Y

T.D.: 5895'

EFFECTIVE DEPTH: 5880'

CASING: 10-3/4" cmtd @ 234'
7" cmtd @ 5894'

PERFORATIONS: 5790-5760'

TUBING: See detail Page 4 this report

WELL NO: 43-21A (100)

PROPERTY: Section 21A

RED WASH FIELD

HISTORY

Subject well 43-21A (100) was completed in the K - KA interval of the lower Green River formation for 200 B/D oil, 153 B/D water and 122 M/D gas in June 1959. By November 1960 production had declined to 101 B/D oil, 122 B/D water and 163 M/D gas.

It is proposed to expose the J - JA interval and the Jc - Jd interval through one circular notch in each sand.

PROGRAM

1. Move in contract hoist. Pull rods and pump. Fill hole with lease waste water. Install BOPE, pull tubing.
2. Run mill shoe and clean out to 5880'. Circulate on bottom to clean up well.
3. Run drillable bridge plug on wire line and set top at 5710'. Check collars at following E-log depths: 5563', 5603', 5645', 5684' and 5726'.
4. Run abrasijet tool on 2-1/2" tubing and check top of bridge plug. Pull up and cut circular notch at 5688'. Lower tool and circulate sand out to 5700'. Fill hole with burner fuel.
5. Sand-oil squeeze down 7" casing with 8000 gallons burner fuel #5, 0.05#/gal Adomite and 23,000# 20-40 sand. Use 3 Allison pumpers, do not exceed 3000 psi.
 - a. Pump in 3000 gallons with 2#/gallon sand.
 - b. Pump in 3000 gallons with 3#/gallon sand.
 - c. Pump in 2000 gallons with 4#/gallon sand.
 - d. Flush with 220 bbls salt water.
6. Run abrasijet tool on 2-1/2" tubing with collar locator and locate collars at 5563' and 5603'. Cut circular notch at 5623'. Lower tubing and check fill over lower notch. If fill is not above 5675', close rams and sand out to 5675'. Circulate hole full of burner fuel #5 and spot 300 gallons mud acid on bottom.
7. Sand-oil squeeze down 7" casing with 6000 gallons burner fuel #5, 0.05#/gallon Adomite and 15,000# 20-40 sand. Use 2 Allison pumpers, do not exceed 3000 psi.
 - a. Pump in 3000 gallons with 2#/gallon sand.
 - b. Pump in 3000 gallons with 3#/gallon sand.
 - c. Flush with 220 bbls salt water.
8. Clean out sand to 5710'. Drill out bridge plug and clean out to bottom.
9. Run 2-1/2" production string tubing as before and hang near 5600'. Run pump and rods, place well on production.

WELL NO: 43-21A (100)

PROPERTY: Section 21A

RED WASH FIELD

WORK DONE

December 15, 1960

R&R Well Service moved on location. Hot oiled well, pulled rods and pump.

December 16, 1960

Pulled production string tubing. Ran mill shoe on tubing and cleaned out to 5880'.

December 18, 1960

Re-ran wax knife and cleaned out.

December 19, 1960

Attempted to run Guiberson magnesium bridge plug. Unable to set. Tested and found bridge plug had backed off going in hole. Bridge plug fell to bottom. Came out and ran HOWCO bridge plug, set same @ 5710' using collars @ 5563', 5603', 5645', 5684' and 5726'. Corrected tubing measurement to E log depth. 4' correction on tubing meas.

HOWCO cut circular notch @ 5688', using above listed collars as reference. Cleaned out sand to 5700'. Displaced water w/oil, pulled tubing and tools out of hole.

December 20, 1960

Notch at 5688' would not break down with 3000 psi. Spotted 300 gal H.F. acid and pressured up to 3000 psi. Pressure dropped back to 1900 psi in 20 min. Pressured up to 3000# and dropped back to 1900 psi in 35 min. Washed acid back and forth over notch and let it set for 15 min. Obtained breakdown at 2600 psi. Pulled tubing and sand-oil squeezed down casing using 8000 gal #5 burner fuel, 23,000# 20-40 sand, .05#/gal Adomite. Pumped in 3000 gal with 2# sand per gal, 3000 gal with 3# sand per gal and 2000 gal with 4# sand per gal, and flushed with 220 bbls lease water. Pressure held 2100 psi through sand injection and dropped back to 1400 psi at end of flush. Max pressure 2100 psi, instant shut-in pressure 900 psi, average rate 37 BPM. Used 2 HF 400.

December 21, 1960

HOWCO cut circular notch @ 5623' using collars @ 5563' and 5603' for reference. Corrected all measurements to E log depths. Sand fill @ 5635'. Spotted acid, 300 gals of HOWCO inhibited mud acid, @ 5623' and obtained breakdown. HOWCO sand-oil squeezed down casing using 6000 gals burner fuel #5 mixed with .05#/gal Adomite and 15,000# 20-40 sand. Flushed w/220 bbls of lease waste water. Maximum pressure 1800 psi, instant shut-in pressure 1700 psi, average rate 32.9 BPM.

December 22, 1960

Ran bit on 2-1/2" tubing and cleaned out 5580' to 5710'. Drilled out bridge plug and cleaned out to 5880'.

December 23, 1960

Ran production string tubing and hung at 5611'.

WELL NO: 43-21A (100)

PROPERTY: Section 21A

RED WASH FIELD

Tubing detail:

K.B.D.	12.00'
175 jts 2-1/2" J-55	5557.58'
P.S.N.	1.10'
Sub	10.15'
Perf. 2-1/2" G.A.	30.00'
Tubing landed	<u>5610.83'</u>

Ran production string rods and pump. Hung well on.

Rod detail:

1 - 22' P.R., 1 - 4', 1 - 6', 1 - 8' x 7/8" P
 93 x 7/8" W.H.
 70 x 3/4" W.H.
 58 x 3/4" P
 Pump Top-3-cup

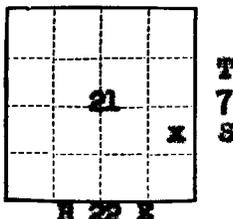
R&R moved off location.

R. H. SELF

Land Office **Salt Lake City**
Lease No. **U-0599**
Unit **Red Wash**

(SUBMIT IN TRIPPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



SUNDRY NOTICES AND REPORTS ON WELLS

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

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

Vernal, Utah April 19, 1963

(43-21A)
Well No. **100** is located **1980** ft. from **NE 1/4** line and **660** ft. from **E 1/4** line of sec. **21A**
NE 1/4 SE 1/4 21 78 22E 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 ~~surface~~ **Kelly Dushing** above sea level is **5345** 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 exclude water entry and expose additional sand as follows:

1. Perforate the K_1 sand at 5815' and squeeze with 100 sacks Latex cement.
2. Thermoil perfs 5760-5790' with 250 bbl 300° F Rangely crude.
3. Abrasijet 3 - 60° slots in the J_2 sand at 5735' and frac down tubing.
4. Bradenhead frac notches 5688 and 5623'.
5. Clean out to 5800' and return well to production.

Present Production: 0 oil, 359 BWPD.

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

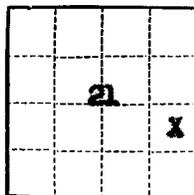
Company **California Oil Company, Western Division**

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

By **R. W. PATTERSON**

Title **Field Superintendent**
USGS, SLJC-3; OMOCC, SLG-1; Gulf, Okla. City-1; Gulf, Casper-1; Caulkins-1; Humble-1; RLG-1; File-1

Copy H. L. E.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

SUNDRY NOTICES AND REPORTS ON WELLS

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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.....	X
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
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NOTICE OF INTENTION TO PULL OR ALTER CASING.....		SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

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

Vernal, Utah June 10, 19 63

(43-21A)
Well No. 100 is located 1980 ft. from NDX line and 660 ft. from E line of sec. 21
NE 1/4 SE 1/4 21 7S 22E 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 ~~structure~~ above sea level is 5345 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)

The following well work was performed on the subject well:

1. Perforated K_A sand at 5815' and squeezed with 100 sacks Latex cement.
2. Thermolled perms 5760-5790' with 250 bbl 300°F Rangely crude.
3. Perforated J_g sand at 5735' with 1 - 5 way super frac jet and fraced.
4. Bradenhead fraced notches 5688 (J_C) and 5623 (J).
5. Cleaned out to 5804' and returned well to production.

Production: Before: 0 BOPD, 359 BWPD
After: 322 BOPD, 44 BWPD, 108 MCF/D.

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

Company California Oil Company, Western Division
Address P. O. Box 455
Vernal, Utah
By R. W. PATTERSON

Title Field Superintendent
USGS, SLC-3; OMOG, SLC-1; Gulf, Okla. City-1; Gulf, Casper-1; Coulkins-1; Humble-1; RLC-1; File-1

(SUBMIT IN TRIPLICATE)

Land Office **Salt Lake City**

Lease No. **U-0559**

Unit **Red Wash**

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UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

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NOTICE OF INTENTION TO PULL OR ALTER CASING.....	X	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....			

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

Vernal, Utah January 14, 1964

(43-21A)
Well No. 100 is located 1900 ft. from ~~XXX~~ S line and 660 ft. from ~~XXX~~ E line of sec. 21
NE 1/4 SE 1/4 21 7S 22E SLBM
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Red Wash Uintah Utah
(Field) (County or Subdivision) (State or Territory)
Kelly Bushing

The elevation of the ~~drill floor~~ above sea level is 5345 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)

Subject well was entered on a routine workover to alleviate a serious scale problem, however, it was discovered the cement bond separating the K sand perfs 5760-90 and the water wet K_A sand had broken down. It is now proposed to perform the following well work:

1. Run Radioactive Channel Determination Survey to check competency of blanks.
2. Set Mg Retainer at 5747 and squeeze perfs 5760-90 with 100 sack stages regular cement.
3. Swab test J - J_C - J_E perfs. Squeeze if necessary to shut-off water.
4. Perforate K sand at 5762 and 5772'. Surfactant oil squeeze if necessary to insure economic oil production. Re-expose J - J_C & J_E perfs if excluded and frac.
5. Clean out to 5800 and return well to production.

Present Production - 0 oil - scaled up.

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

Company California Oil Company, Western Division

Address P. O. Box 455

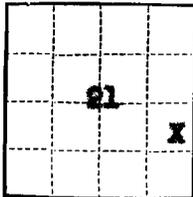
Vernal, Utah

By R. W. PATTERSON

Title Field Superintendent

UGGS, SIC-3; O&GCC, SIC-1; Gulf, Okla. City-1; Gulf, Casper-1; Chulkins-1; Humble-1; File-1

W. H. S. &



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office **Salt Lake City**

Lease No. **U-0559**

Unit **Red Wash**

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	X
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 **March 31**, 19**64**

Well No. **(43-21A) 100** is located **1980** ft. from **[N]** line and **660** ft. from **[W]** line of sec. **21**
NW 1/4 SE 1/4 21 **7S** **22E** **S18M**
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Red Wash **Utah** **Utah**
(Field) (County or Subdivision) (State or Territory)

Kelly Bushing

The elevation of the ~~shut-in~~ above sea level is **5345** 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)

The following well work was performed on the subject well.

1. Ran Radioactive Channel Determination Survey.
2. Cement squeezed perfs 5760-90 (X) with 200 sxs cnt.
3. Cement squeezed perfs 5623 (J), 5688 (J₂) and 5735 (J₂) with 200 sxs cnt.
4. Drilled out to 5730'. Perfed at 5772 and 5762 (X) and 5736 (J₂).
5. Surfactant crude oil squeezed perfs 5772 and 5762'.
6. Tubing fraced perf 5736.
7. Cleaned out to PWD and returned well to production.

Production: Before - 0 - scale up
 After - 106 BOPD, 53 MPPD, 53 MCF/D.

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

Company **California Oil Company, Western Division**

Address **P. O. Box 455**

Vernal, Utah

By **R. W. PATTERSON**

Title **Unit Superintendent**

USGS, SLC-3; OAGCC, SLC-1; Gulf, Okla. City-1; Gulf, Casper-1; Caulkins-1; Humble-1; File-1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-0559

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Red Wash

8. FARM OR LEASE NAME

9. WELL NO.

Unit #100 (43-21A)

10. FIELD AND POOL, OR WILDCAT

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

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
California Oil Company, Western Division

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface **1980 PSL 660 FEL Sec 21, T7S, R22E, S18M**

14. PERMIT NO.

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

KB 5345

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

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*

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

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

It is proposed to Plug and Abandon the subject well as follows:

1. Pull rods and pump. NU BOP's and pull tubing.
2. Run a Sperry-Sun directional survey.
3. Squeeze perfs 5736', 5762', 5722' with 100 sacks regular cement.
4. Pull tubing, cut off well head, and install abandonment marker.
5. A replacement well will be drilled with exact surface location dependent on Sperry-Sun survey.

Present production: Shut-in unproducible

APPROVED BY UTAH OIL AND GAS
CONSERVATION COMMISSION

DATE **6-16-65**

Lacey Hunt
PETROLEUM ENGINEER

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

SIGNED **W. A. GOUBEAU**

TITLE **Acting Unit Superintendent**

DATE **6-4-65**

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Form approved.
Budget Bureau No. 42-R356.5.
LAND OFFICE **Salt Lake City**
LEASE NUMBER **Red Wash**
UNIT

LESSEE'S MONTHLY REPORT OF OPERATIONS

1003

State Utah County Uintah Field Red Wash

The following is a correct report of operations and production (including drilling and producing wells) for the month of June, 1965.

Agent's address P. O. Box 455 Company California Oil Co., Western Div.
Vernal, Utah Signed W. A. GOUDEAU

Phone 789-2442 Agent's title Acting Unit Superintendent

SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DAYS PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (In thousands)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (If none, so state)	REMARKS (If drilling, depth; if shut down, cause; date and result of test for gasoline content of gas)
Operations Conducted - Continued										
hvy water cut mud. Pressures: IH-2728, ISI-1242, IF-41, FF-93, FSI-951, FHH-2728. Ran DST #4 (5392-5412, IB). 60 min flow. NGTS. Rec 60' sli gas cut muddy water and 2492' sli gas cut water. Pressures: IH-2602, ISI-2077, IF-475, FF-1263, FSI-2076, FHH-2602. Ran DST #5 (5045-5065, GR). 60 min flow. NGTS. Rec 150' sli gas cut, water cut mud; 90' mud cut water and 351' sli gas cut water. Pressures: IH-2370, ISI-1993, IF-145, FF-248, FSI-1951, FHH-2370. Ran DST #6 (4363-4383, upper Green River). 60 min flow. NGTS. Rec 30' sli gas cut, mud cut water and 441' sli gas cut water. Pressures: IH-2087, ISI-1731, IF-83, FF-217, FSI-1731, FHH-2087. Cleaned out to 6248'. Cemented 5 1/2", 15.5#, J-55 casing at 5929.66' w/400 sacks 50/50 Posmix and Grade "A" Ideal cement containing 10% salt and .1% TIC. Released rig 6-6-65.										
NE SE 21 7S 22E #100 (43-21A) (1980' FSL, 660' FEL)										
Present Conditions: Total Depth: 5895' PSTD: 5800' Casing: 7", 23#, J-55 and N-80 cemented at 5894'.										
Operations Conducted										
Moved in R & R workover rig to plug and abandon well. Ran Sperry-Sun Directional Survey. RIH w/Baker FBC and set at 5594'. Squeezed perfs 5736 J _E , 5762 and 5772 (K) w/100 sacks cement. Pulled tubing, cut off well head, laid 5 sack cement plug from 20' to surface and installed abandonment marker. Released rig 6-11-65.										
NE SE 21 7S 22E #100A (43-21A) (1787' FSL, 534' FEL)										
Present Conditions: Total Depth: 2981' Casing: 8 5/8", 32#, J-55 cemented at 231.20' w/180 sacks reg. cement containing 2% CaCl ₂ and 3% NaCl.										
(Continued)										

NOTE.—There were _____ runs or sales of oil; _____ M cu. ft. of gas sold;

_____ runs or sales of gasoline during the month. (Write "no" where applicable.)
NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT II ICATE*
(Other inst. 'ious on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.
5. LEASE DESIGNATION AND SERIAL NO.

U-0559

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME Red Wash
2. NAME OF OPERATOR Chevron Oil Company, Western Division		8. FARM OR LEASE NAME
3. ADDRESS OF OPERATOR P. O. Box 455, Vernal, Utah		9. WELL NO. Unit #100 (43-21A)
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1980 FSL 660 FEL, Sec 21, T7S, R22E, SLB&M		10. FIELD AND POOL, OR WILDCAT
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5345	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

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

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

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

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

The subject well was plugged and abandoned as follows:

- 1. Pulled rods and pump. NU BOP's and pulled tubing.**
- 2. Ran a Sperry-Sum Directional Survey.**
- 3. Squeezed perms 5736', 5762' and 5722' with 100 sacks regular cement.**
- 4. Pulled tubing, cut off well head, set 5 sack surface plug with proper marker. Released rig 6-11-65**

18. I hereby certify that the foregoing is true and correct.
SIGNED **W. A. GOUDEAU** **W. A. GOUDEAU** TITLE **Acting Unit Superintendent** DATE **7-15-65**

(This space for Federal or State office use)

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

*See Instructions on Reverse Side



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

RECEIVED

FEB 07 2000

DIVISION OF
OIL, GAS AND MINING

IN REPLY REFER TO
UT-931

February 4, 2000

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

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

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

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

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

cc: Chevron U.S.A. Inc.

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

UT931:TAThompson:tt:2/4/00

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS ✓
2. CDW ✓		5- <i>SJN</i> ✓
3. JLT		6-FILE

Enter date after each listed item is completed

X Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

Merger

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

01-01-2000

FROM: (Old Operator):

CHEVRON USA INC
 Address: 11002 E. 17500 S.
 VERNAL, UT 84078-8526
 Phone: 1-(435)-781-4300
 Account No. N0210

TO: (New Operator):

SHENANDOAH ENERGY INC
 Address: 11002 E. 17500 S.
 VERNAL, UT 84078
 Phone: 1-(435)-781-4300
 Account N4235

CA No.

Unit: RED WASH

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
RWU 54 (43-14A)	43-047-15180	5670	14-07S-22E	FEDERAL	OW	PA
RWU 113 (34-15A)	43-047-15231	5670	15-07S-22E	FEDERAL	OW	PA
RWU 89 (23-15A)	43-047-16486	99998	15-07S-22E	FEDERAL	OW	PA
RWU WI 3A (34-16A)	43-047-16481	99996	16-07S-22E	FEDERAL	WI	PA
RWU 100 (43-21A)	43-047-10203	99998	21-07S-22E	FEDERAL	OW	PA
RWU 73 (22-21A)	43-047-15195	5670	21-07S-22E	FEDERAL	OW	PA
RWU 32 (32-22A)	43-047-15159	5670	22-07S-22E	FEDERAL	GW	PA
RWU 258 (34-22A)	43-047-30458	5670	22-07S-22E	FEDERAL	OW	TA
RWU 118 (12-23A)	43-047-15235	99998	23-07S-22E	FEDERAL	OW	PA
RWU 217 (31-29A)	43-047-30105	99998	29-07S-22E	FEDERAL	OW	PA
RWU WI 33A-1	43-047-16484	99998	33-07S-22E	FEDERAL	WI	PA
RWU 151 (42-14B)	43-047-15264	5670	14-07S-23E	FEDERAL	OW	P
RWU 325 (32-16B)	43-047-33083	99999	16-07S-23E	STATE	OW	APD
RWU 329 (32-20B)	43-047-33225	99999	20-07S-23E	FEDERAL	OW	APD
RWU 328 (12-21B)	43-047-33224	99999	21-07S-23E	FEDERAL	OW	APD
RWU 200 (32-33B)	43-047-10207	99998	33-07S-23E	FEDERAL	OW	PA
RWU 249 (14-33C)	43-047-30390	5670	33-07S-24E	FEDERAL	GW	PA
RWU 211 (32-35C)	43-047-10209	99998	35-07S-24E	FEDERAL	OW	PA
RWU 304 (24-2F)	43-047-32106	11341	02-08S-24E	STATE	GW	PA

OPERATOR CHANGES DOCUMENTATION

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

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

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 09/26/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 09/26/2000
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

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

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: _____

FILMING:

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

FILING:

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

COMMENTS:

