

**FILE NOTATIONS**

Entered in NID File   
 Entered On S R Sheet   
 Location Map Pinned   
 Card Indexed   
 I W R for State or Fee Land

Checked by Chief PMB  
 Copy NID to Field Office   
 Approval Letter submit  
 Disapproval Letter

**COMPLETION DATA:**

Date Well Completed 4-11-63  
 OW \_\_\_\_\_ VW \_\_\_\_\_ TA \_\_\_\_\_  
 SW \_\_\_\_\_ OS \_\_\_\_\_ PA

Location Inspected \_\_\_\_\_  
 Band released \_\_\_\_\_  
 State of Fee Land \_\_\_\_\_

**LOGS FILED**

Driller's Log 6-26-63

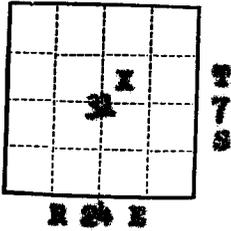
Electric Logs (No. ) 4

E \_\_\_\_\_ L \_\_\_\_\_ EI  GR \_\_\_\_\_ GRN \_\_\_\_\_ Micro   
 Lat \_\_\_\_\_ M-L \_\_\_\_\_ Sonic  Other Cement Sand Log

*Subsequent Report of Abandonment*

PAP  
5.1.92

*Copy H.L.*



(SUBMIT IN TRIPLICATE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Land Office **Salt Lake City**

Lease No. **U-0023**

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** **March 6**, 1963

(32-31C)

Well No. **187** is located **1940** ft. from **{N}** line and **1980** ft. from **{E}** line of sec. **31**

**SW 1/4 NE 1/4 31** **7S** **24E** **SLBM**  
(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 ~~shooting point~~ above sea level is **5326** 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 at  $\pm$  220'.  
4-1/2" casing to be cemented below lowermost productive interval with sufficient cement to reach 4000'.

Tops: Green River - 2450'  
"H" Point - 4440'  
"K" Point - 4975'

Subject well to be drilled as part of the 1963 Plan of Development

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**

*Copy signed by  
R. W. PATTERSON*

Title **Field Superintendent**

USGS, SLG-3; OAGCC, SLG-1; Gulf, Okla. City-1; Caultkins-1; Buttram-1; RLG-1; File-1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

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

LESSEE'S MONTHLY REPORT OF OPERATIONS

Page Three

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 **March**, 19 **63**.

Agent's address **P. O. Box 455  
Vernal, Utah** Company **California Oil Co., Western Div.**

Phone **789-2442** Signed Original Signed **By W. PATTERSON**  
Agent's title **R. W. PATTERSON Superintendent**

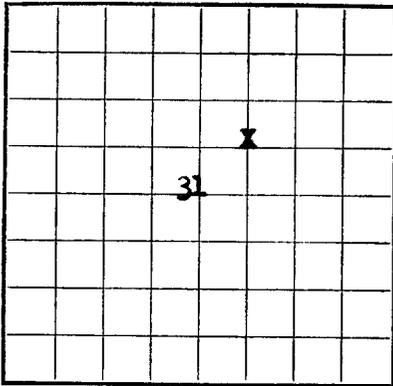
SEC. AND 1/4 OF 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OF OIL	GRAVITY	CU. FT. OF GAS (IN THOUSANDS)	GALLONS OF GASOLINE RECOVERED	BARRELS OF WATER (IF NONE, SO STATED)	REMARKS
<b>NE NW 14</b>	<b>7S</b>	<b>23E</b>	<b>191 (21-14B)</b>							
<b>Present Conditions</b>										
Depth: <b>5368'</b>										
Casing: <b>10-3/4", 40.5#, J-55 cmtd at 238' with 170 sacks.</b>										
<b>7", 23#, J-55 cmtd at 5368' with 400 sacks.</b>										
<b>PSTD: 5332'</b>										
<b>Operations Conducted</b>										
Moved Signal Drilling & Exploration Inc and spudded March 8, 1963 at 2:00 A.M. Drilled 15" hole to 245'. Cemented 10-3/4" casing at 238' with 170 sacks regular cement. Drilled 9" hole to 5368'. Ran Schlumberger IES and Micro-Caliper logs. DST #1 (5220-5242) 60 min test. GTS in 3 min. (78.1 MCFPD on orifice wall test using 1/2" choke - decreasing to 18.5 MCF after 25 min and 6.93 MCF after 55 min). Recovered 1490' oil. Pressures: IH 2652, IHI 2042, IFF 138, FFP 403, FSI 1967, FHP 2652. DST #2 (4689-4711) 60 min test. MCF. Recovered 495' oil, 174' water. Pressures: IH 2505, IHI 1843, IFF 232, FFP 275, FSI 1555, FHP 2505. DST #3 (4480-4502) 30 min. GTS at final rate of 5.9 MCFPD. Recovered 174' oil, 60' mud filtrate. Pressures: IH 2385, IHI 1745, IFF 495, FFP 850, FSI 1745, FHP 2385. Cemented in place 7" casing at 5368' with 400 sacks regular cement. Released rig March 21, 1963.										
<b>SW NE 31</b>	<b>7S</b>	<b>24E</b>	<b>187 (32-31C)</b>							
<b>Present Conditions</b>										
Depth: <b>3366'</b>										
Casing: <b>8-5/8", 32#, J-55 cmtd at 222.36' with 230 sacks cement in 2 stages</b>										
<b>Operations Conducted</b>										
Moved in Signal Drilling & Exploration, Inc. Spudded at 1:15 P.M. 3-23-63. Drilled 12-1/4" hole to 226'. Cemented in place 8-5/8" casing at 222.36' with 230 sacks regular cement and neat cement in 2 stages. Drilling 7-7/8" hole at 3366'.										

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.

Form 9-330

R 24 E



LOCATE WELL CORRECTLY

Form approved by Budget Bureau No. 42-R355.4

U. S. LAND OFFICE **Salt Lake City**  
 SERIAL NUMBER **U-0823**  
 LEASE OR PERMIT TO PROSPECT \_\_\_\_\_

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 GEOLOGICAL SURVEY

# LOG OF OIL OR GAS WELL

Company **California Oil Co., Western Div.** Address **P. O. Box 455, Vernal, Utah**  
 Lessor or Tract **U-0823** Field **Red Wash** State **Utah**  
 Well No. **(32-31C) 187** Sec. **31** T. **7S** R. **24E** Meridian **SLBM** County **Uintah**  
 Location **1940** ft. **[S.]** of **N** Line and **1980** ft. **[W.]** of **E** Line of **Section 31** Elevation **5328'** KB

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

Date **June 19, 1963** Title **Field Superintendent**

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

Commenced drilling **March 23**, 19**63** Finished drilling **April 11**, 19**63**

### OIL OR GAS SANDS OR ZONES

(Denote gas by G)

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

### IMPORTANT WATER SANDS

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

### CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From-	To-	
<b>8-5/8"</b>	<b>32</b>	<b>6 rps</b>	<b>CPAI</b>	<b>222.36'</b>	<b>Bottom Cutter</b>				

### MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<b>8-5/8"</b>	<b>222.36'</b>	<b>230</b>	<b>Displace</b>		

### PLUGS AND ADAPTERS

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

FOLD MARK

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from 0 feet to 5645 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
 Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

\_\_\_\_\_, 19\_\_\_\_ Put to producing Plugged and Abandoned, 19\_\_\_\_  
 The production for the first 24 hours was \_\_\_\_\_ barrels of fluid of which \_\_\_\_\_% was oil; \_\_\_\_\_% emulsion; \_\_\_\_\_% water; and \_\_\_\_\_% sediment. 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**

E. Pearson \_\_\_\_\_, Driller L. R. Lorenzen \_\_\_\_\_, Driller  
H. Moore \_\_\_\_\_, Driller C. R. Brandon \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
0	2210	2210	Shale and Sand
2210	5645	3435	Sand and Shale
Top Green River	2210	(+3118)	
"G"	3940	(+1388)	
"H"	4143	(+1185)	
"I"	4327	(+1001)	
"J"	4563	(+765)	
"K"	4698	(+630)	
"L"	4936	(+392)	
FROM—	TO—	TOTAL FEET	FORMATION

4.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Form approved  
Budget Bureau No. 42-R356.5  
**Midvale City**

LAND OFFICE  
LEASE NUMBER  
UNIT  
**Red Wash**

Page Two

**LESSEE'S MONTHLY REPORT OF OPERATIONS**

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 **April**, 19**63**.  
Agent's address **P. O. Box 455** Company **California Oil Co., Western Div.**  
**Vernal, Utah** Signed **R. W. PATTERSON**  
Phone **789-2442** Agent's title **Field Superintendent**

SEC. AND 1/4	TWP.	RANGE	WELL NO.	DATE PRODUCED	BARRELS OIL	FEET GAS	WATER	REMARKS
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3 - 60° slots at 4704', spotted 150 gal MCA at 4704'. Sand-oil fraced slots at 4704' down casing with 12,000 gal BF #5/RC containing 12,000# 20-40 sand and .05#/gal Adomite. Avg rate 49 BPM at 2450 psi. Abrasijetted 3 - 60° horizontal slots at 4322'. Sand-oil fraced slots at 4322' down casing with 12,000 gal BF #5/RC containing 12,000# 20-40 sand and 0.05#/gal Adomite. Avg rate 44.8 BPM at 2650 psi. Ran production string. Ran rods, pump and hung well on.

**SW NE 31 78 24E 187 (32-31C)**

Present Conditions

Depth: **5645'**  
Casing: **8-5/8", 32#, J-55 cmtd at 222.36' with 230 sacks cmt in two stages.**

Operations Conducted

Drilled 7-7/8" hole to 5645'. Schlumberger ran IES, Micro-Caliper and Gamma Ray-Sonic logs. Ran D&T #1 (4992-5009) 60 min test. NGTS. Recovered 3111' water. Pressures: IEN 2470, ISI 1924, IF 552, FF 1392, FSI 1817, FEN 2470. D&T #2 (3895-3912) 60 min test. NGTS. Recovered 2381' water. Pressures: IEN 1945, ISI 1636, IF 265, FF 1023, FSI 1561, FEN 1945. D&T #3 (3788-3805) 60 min test. NGTS. Recovered 3059' water. Pressures: IEN 1881, ISI 1508, IF 382, FF 1308, FSI 1476, FEN 1881. Plug as follows:  
(1) Laid 80 sack plug across interval 5050 to 4770'. (2) Laid 50 sack plug across interval 4300-4140. (3) Laid 80 sack plug across Basal F sands 4050-3770. (4) Laid 100 sack plug across Green River top from 2300-2100'. (5) Laid 100 sack plug 100' in and out of surface casing from 322 to 122'. (6) Laid 10 sack plug at surface with proper abandonment marker installed.  
Released rig 10:00 A.M. 4-11-63.

Note There were \_\_\_\_\_ runs or sides of oil \_\_\_\_\_ M cu. ft. of gas sold;  
\_\_\_\_\_ runs or sides 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.

Back  
110  
file  
2-10

Copy H-L-L

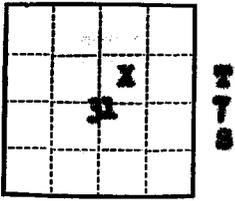
7

Form 9-331a  
(Feb. 1961)

Budget Bureau No. 42-R358.4.  
Form Approved.

(SUBMIT IN TRIPLICATE)

Land Office **Salt Lake City**  
Lease No. **U-0823**  
Unit **Red Wash**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	X
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 April 24, 19 63

Well No. **(32-31C) 187** is located **1940** ft. from **[N] 31E** line and **1980** ft. from **[E] 31** line of sec. **31**

**SW 1/4 NE 1/4 31 78 24E 31E**

(Sec. and Sec. No.) (Twp.) (Range) (Meridian)

**Red Wash Utah**

(Field) (County or Subdivision) (State or Territory)

The elevation of the ~~datum~~ above sea level is **5388** 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 subject well was plugged and abandoned as follows:

- Laid 80 sack cement plug across  $K_2-L_0$  interval from 5050 to 4770'.
- Laid 50 sack cement plug across  $H-H_2$  interval from 4300 to 4140'.
- Laid 80 sack cement plug across basal "F" sands from 4050 to 3770'.
- Laid 100 sack cement plug across Green River Top from 2300-2100'.
- Laid 100 sack cement plug 100' in and 100' out of surface casing from 322-122'.
- Laid 10 sack cement plug at surface and installed proper marker 4' above ground level.

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**

*R. W. Patterson*

By **R. W. PATTERSON**  
Title **Field Superintendent**

USGS, MS-3; 04000, MS-1; Gulf, Okla. City-1; Gulf, Casper-1; Conkling-1; Buttram-1; MS-1; File-1

July 28, 1964

On July 27, 1964, Mr. Rodney Smith, District Engineer for the U.S. Geological Survey, informed me that the following plugged wells have been satisfactorily abandoned and approved by his agency:

- Morris Rosenblatt, Well No. Federal #1,  
NE NE Sec. 20, T. 23 S., R. 17 E., Grand County, Utah
- Walter D. Broadhead, Well No. Keas Federal 5-75,  
NE SE Sec. 5, T. 20 S., R. 24 E., Grand County, Utah
- Honolulu Oil Corporation, Well No. Bitter Creek #1,  
SW SE Sec. 30, T. 11 S., R. 23 E., Uintah County, Utah
- H. P. McLish, Well No. Government Walton #1,  
SE SW Sec. 9, T. 8 S., R. 23 E., Uintah County, Utah
- Davis Oil Company, Well No. Pariette Bench Unit #5,  
SE SE Sec. 9, T. 9 S., R. 18 E., Uintah County, Utah
- Sinclair Oil & Gas Company, Well No. Uintah Federal #178-1,  
SW SW Sec. 24, T. 12 S., R. 22 E., Uintah County, Utah
- Shamrock Oil & Gas Corporation, Well No. Rock House Unit #10,  
SE NE Sec. 22, T. 11 S., R. 23 E., Uintah County, Utah
- California Oil Company, Well No. Red Wash #187 (32-31C),  
SW NE Sec. 31, T. 7 S., R. 24 E., Uintah County, Utah
- California Oil Company, Well No. White River Unit #14 (32-3D),  
SW NE Sec. 3, T. 8 S., R. 22 E., Uintah County, Utah
- C. F. Raymond, Well No. Government #1,  
NW NW Sec. 17, T. 13 S., R. 24 E., Uintah County, Utah
- Pan American Petroleum Corporation, Well No. USA Lyle O. Lingelbach #1,  
SE SE Sec. 29, T. 6 S., R. 21 E., Uintah County, Utah
- Pan American Petroleum Corporation, Well No. McLish Unit #1,  
SW SE Sec. 34, T. 6 S., R. 22 E., Uintah County, Utah

WELL NO. 187 (32-31C)

PROPERTY: Section 31

RED WASH FIELD

HISTORY OF OIL OR GAS WELL

Signal Drilling & Exploration, Inc. moved in and rigged up. Spudded at 1:15 P.M., March 23, 1963. Drilled 12-1/4" hole to 226'. Set 8-5/8" casing to 222.36' with 230 sacks neat and regular cement in two stages. WOC 36 hrs.

March 26 - April 8, 1963  
Drilled 7-7/8" hole to 5645'.

April 9, 1963  
Schlumberger ran IES, Micro-Caliper and Gamma Ray-Sonic logs. Ran DST #1 and #2. DST #1 (4992-5009) 60 minute test. NGTS. Recovered 180' mud, 2931' water. Pressures: IHH 2470, ISI 1924, IF 552, FF 1392, FSI 1817, FHH 2470. DST #2 (3895-3912) 60 minute test. NGTS. Recovered 2331' water. Pressures: IHH 1945, ISI 1636, IF 265, FF 1023, FSI 1561, FHH 1945.

April 10, 1963  
DST #3 (3788-3805) 60 minute test. NGTS. Recovered 3059' water. Pressures: IHH 1881, ISI 1508, IF 382, FF 1308, FSI 1476, FHH 1881.

April 11, 1963  
Plugged as follows: Plug #1 - 5050-4770' (80 sacks); Plug #2 - 4300-4140' (50 sacks); Plug #3 - 4050-3770' (80 sacks); Plug #4 - 2300-2100' (100 sacks); Plug #5 - 322-122' (100 sacks). Laid 10 sack plug at surface with proper abandonment marker. Rig released at 10:00 A.M.