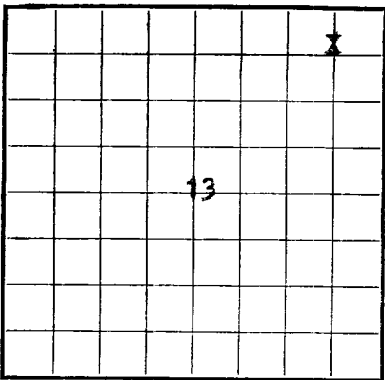


U. S. LAND OFFICE Santa Fe, N.M.  
SERIAL NUMBER 078064  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



LOCATE WELL CORRECTLY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 South Behrend, Farmington, N.M.  
Lessor or Tract Federal Field Bisti State New Mexico  
Carson Unit  
Well No. 41-13 Sec. 13 T. 25N R. 12W Meridian NMPM County San Juan  
Location 660 ft. EX of N. Line and 660 ft. EX of E. Line of Section 13 Elevation 6380 KE  
(Derrick floor 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.  
Signed B. A. Sherry

Date September 13, 1957 Title Exploitation Engineer

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

Commenced drilling January 27, 19 57 Finished drilling February 7, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 4906 (Gross) to 5002 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 None Noted 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—	
<u>8-5/8"</u>	<u>28</u>	<u>8</u>	<u>-</u>	<u>220</u>	<u>Baker</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>Surface</u>
<u>5-1/2"</u>	<u>16.6</u>	<u>8</u>	<u>-</u>	<u>5038</u>	<u>Baker</u>	<u>-</u>	<u>4906</u>	<u>5002</u>	<u>Production</u>
							<u>Gross Interval</u>		

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8"</u>	<u>233</u>	<u>150</u>	<u>Displacement</u>	<u>-</u>	<u>-</u>
<u>5-1/2"</u>	<u>5049</u>	<u>200</u>	<u>Displacement</u>	<u>-</u>	<u>-</u>

PLUGS AND ADAPTERS

Cement  
Lossing plug—Material \_\_\_\_\_ Length 5012  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			<u>NONE</u>			

TOOLS USED

Rotary tools were used from 0 feet to 5050 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

September 13, 19 57 Put to producing August 8, 19 57

The production for the first 24 hours was 78 barrels of fluid of which 99.7 % was oil; \_\_\_\_\_ % emulsion; \_\_\_\_\_ % water; and 0.3 % sediment. Gravity, 98.6 Approx. 300 API

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

Rock pressure, lbs. per sq. in. \_\_\_\_\_

EMPLOYEES

New Drilling Company  
G. L. Rosenbaum, Driller E. G. Phillips, Driller  
G. F. Phillips, Driller \_\_\_\_\_, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>1210</u>	<u>1418</u>	<u>208</u>	<u>Pictured Cliffs</u>
<u>1418</u>	<u>1570</u>	<u>152</u>	<u>Lewis</u>
<u>1570</u>	<u>2047</u>	<u>477</u>	<u>Cliff House</u>
<u>2047</u>	<u>3697</u>	<u>1650</u>	<u>Allison-Menefee</u>
<u>3697</u>	<u>3892</u>	<u>195</u>	<u>Point Lookout</u>
<u>3892</u>	<u>4794</u>	<u>902</u>	<u>Mancos</u>
<u>4794</u>	<u>-</u>	<u>-</u>	<u>Gallup</u>

[OVER]

**FORMATION RECORD—Continued**[illegible]

### HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked", or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

Attached  
Shell Drilling Report

SHELL OIL COMPANY

Carson, Unit  
WELL NO. 41-13

## DRILLING REPORT

FOR PERIOD ENDING

2-8-57

13

(SECTION OR LEASE)

T25N, R12W

(TOWNSHIP OR RANCHO)

Field

(FIELD)

San Juan, New Mexico

(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
57			
			<p><u>Location:</u> 660' S and 660' W of NE Corner Section 13, T25N, R12W, NMPM, San Juan County, New Mexico</p> <p><u>Elevations:</u> Mat 6367.95 DF 6378.05 KB 6380.05</p>
1-27 to 1-29	0 to 140	140 to 2020	<p>Spudded 7:30 P.M. 1-27-57.</p> <p><u>Drilled 1880'.</u> Ran and cemented (220') 8-5/8", 28#, H-40 casing at 233' with 150 sacks construction cement. Good cement returns to surface. Flanged up and waited on cement. Pressure tested casing and blow out equipment with 700 psi, OK.</p>
1-30 to 2-7	2020	5050	<p><u>Drilled 3030'.</u> Twisted off at 4625' leaving 6 drill collars and 1 single in hole, recovered with overshot.</p>
2-8	5050	TD	<p>Ran Gamma Ray-Neutron Log and Electrical Survey. Ran and cemented (5038') 4-1/2", 16.60#, J-55 casing at 5049' with 200 sacks construction cement, 5 bbls. of water ahead. Released rig 3:00 A.M. 2-8-57.</p> <p>Checked BOP daily</p> <p>Mud Summary 1-27-57 to 2-8-57 Wt. 9.2 - 10#/gal. Vis. 43-70 sec.</p> <p>Contractor: New Drilling Company Drillers: G. L. Rosenbaum C. E. Phillips H. G. Phillips</p>

CONDITION AT BEGINNING OF PERIOD				
HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

R. D. Allen

SIGNED