



LOCATE WELL CORRECTLY

U. S. LAND OFFICE **Santa Fe, N.M.**  
SERIAL NUMBER **SF 078067**  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**RECEIVED**  
MAR 20 1958  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO**LOG OF OIL OR GAS WELL**

Company **Shell Oil Company** Address **101 S. Behrend, Farmington, N. M.**  
Lessor or Tract **Federal - Carson Unit** Field **Bisti** State **New Mexico**  
Well No. **11-14** Sec. **14** T. **25N** R. **12W** Meridian **NMPM** County **San Juan**  
Location **660** ft. **N** of **N** Line and **530** ft. **E** of **W** Line of **Sec. 14** Elevation **6241 KB**  
(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 \_\_\_\_\_

Date **March 6, 1958**Title **Exploitation Engineer**

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

Commenced drilling **December 31**, 19**57** Finished drilling **March 2**, 19**58**

**OIL OR GAS SANDS OR ZONES**

(gross)

(Denote gas by G)

No. 1, from **4734** to **4836** 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—	
8-5/8"	24	8	-	108	Baker	-	-	-	Surface
4-1/2"	9.3	8	-	4884	"	-	4734	4836	Production

**MUDDING AND CEMENTING RECORD**

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	118'	100	Displacement	-	-
4-1/2"	4894'	150	"	-	-

**PLUGS AND ADAPTERS**

PBTB

Heaving plug—Material \_\_\_\_\_ Length \_\_\_\_\_ **4876**  
Adapters—Material \_\_\_\_\_ Size \_\_\_\_\_

**SHOOTING RECORD**

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

**TOOLS USED**

Rotary tools were used from **0** feet to **4904** feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

Cable tools were used from \_\_\_\_\_ feet to \_\_\_\_\_ feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

**DATES**

**March 7**, 19**58** Put to producing **March 2**, 19**58**

The production for the first 24 hours was **810** barrels of fluid of which **98.6** % was oil; \_\_\_\_\_ %  
emulsion; \_\_\_\_\_ % water; and **1.4** % sediment. Gravity **1.06** **39° API (approx.)**

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

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

**EMPLOYEES**

**G. M. Benton**, Driller **Brinkerhoff Drilling Company**  
**M. D. Schulze**, Driller  
**R. C. Cary**, Driller \_\_\_\_\_, Driller

**FORMATION RECORD**

FROM—	TO—	TOTAL FEET	FORMATION
1105	1279	174	Pictured Cliffs
1279	1456	177	Lewis
1456	1942	486	Cliff House
1942	3546	1604	Allison-Mensefee
3546	3708	162	Point Lookout
3708	4637	929	Mancos
4637	-	-	Gallup



## HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the days of redrilling, and if any casing was 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 bailing.

SHELL OIL COMPANY

Carson Unit

WELL NO. 11-14

Bisti

## DRILLING REPORT

FOR PERIOD ENDING

1-7-58

14

(SECTION OR LEASE)

T25N R12W

(FIELD)

San Juan, New Mexico

(COUNTY)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<p><u>Location:</u> 660' S and 530' E of NW corner Section 14, T25N, R12W, NMFM, San Juan County, New Mexico.</p> <p><u>Elevations:</u> DF 6239.3 GR 6232.0 KB 6240.5</p>
12-31-57 to 1-1-58	0	2394	Spudded 12:01 midnight 12-31-57. Rand and cemented (108') 8-5/8" 24#, J-55 casing at 118' with 100 sacks cement treated with calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 500 psi, OK.
1-2 to 1-5	2394	4760	<u>Drilled 2366'.</u>
1-6	4760	4904	<u>Drilled 144'.</u> Ran Electrical Survey and Microlog.
1-7	4904	TD	<p>Ran and cemented (4884') 4-1/2", 9.5# casing at 4894' with 150 sacks cement treated with 4% gel. Displaced with oil. Released rig 4:00 A.M. 1-7-58.</p> <p>Checked BOP Daily.</p> <p>Mud Summary</p> <p>Wt. 9.4-9.7#/ gal.</p> <p>Vis. 63-78 sec.</p> <p>WL. 4.6 cc.</p> <p>FC. 1-2/32"</p> <p>Contractor: Brinkerhoff Drilling Company</p> <p>Drillers: G. M. Benton R. C. Cary M. O. Schulze</p>
CONDITION AT BEGINNING OF PERIOD			
HOLE			CASING SIZE
SIZE	FROM	TO	DEPTH SET
DRILL PIPE SIZES			

RECEIVED

MAR 20 1958

U. S. GEOLOGICAL SURVEY  
FARMINGTON, NEW MEXICO

R. D. Allen

SHELL OIL COMPANY

Carson Unit

Bisti

## DRILLING REPORT

WELL NO. 11-14

FOR PERIOD ENDING

14

(FIELD)  
San Juan, New Mexico

3-2-58

(SECTION OR LEASE)

T 25 N R-12 W

(COUNTY)

(TOWNSHIP OR RANCHO)

DAY	DEPTHS		REMARKS
	FROM	TO	
1-10	4903	TD	Found top of plug with piano wire at 4876'.
1-13			Ran Gamma Ray - collar log, perforated four 1/2" holes/ft 4734-61, 4768-74, 4813-24, 4829-36'.
2-3			Sand oil fracture treatment #1 Broke down formation at 2800 psi. Injected 16,000 gal. crude oil with 1#/gal. sand and 80 nylon core balls. Injected 11,000 gal. crude with 1#/gal. sand and 20 nylon core balls. Injected 21,000 gal. gal. crude with 1#/gal. sand and 60 nylon core balls (pressure increased from 2900 psi to 3100 psi.) Displaced and flushed with 152 bbls. crude. Maximum pressure 3100 psi, minimum pressure 2800 psi, average rate 34.6 bbl/min.
2-4 to 2-5			Bailed frac sand from 4790 to 4842'. Landed tubing at 4740'.
2-6			Swabbed 50 bbls. and well started flowing.
2-7 to 3-1			Flowed and recovered all load and frac oil, 1374 bbls.
3-2			INITIAL PRODUCTION: Flowing, 810 B/D gross, 799 B/D clean, cut 1.4%, Gas 252 MCF/D, GOR 312, 64/64" bean, TP 185, Completed 3-2-58.

## CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

RECEIVED

E. B. Johnstone