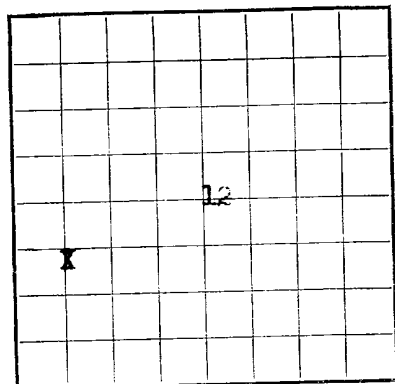




LOCATE WELL CORRECTLY

RECEIVED
DEC 11 1953
OIL CON. COM.
DIST. 3

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Shell Oil Company Address 705 West Municipal Drive
[REDACTED] Farmington, N. M.
Lessor or Tract Federal-Carson Unit Field Histi State New Mexico
Well No. 13-12 Sec. 12 T. 25 N. 12 W Meridian NAD 83 County San Juan
Location 1930 ft. [N.] of S Line and 666 ft. [E.] of W Line of Sec. 12 Elevation 6350 FE
[S.] [W.] (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 _____ Original signed by
 B. W. SHEPARD

Date October 27, 1958 Title Exploitation Engineer

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

Commenced drilling September 2, 1958 Finished drilling September 3, 1958

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1914 gross 5007 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. 2, from _____ to _____

No. 3, from _____ to _____

No. 4, from _____ to _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8"	102'	100	Displacement	---	-----
4-1/2"	5050	150	Displacement	---	-----

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 0 feet to 5055 feet, and from 5055 feet to 5055 feet

Cable tools were used from 5055 feet to 5055 feet, and from 5055 feet to 5055 feet

DATES

October 27, 1933 Put to producing October 5, 1933

The production for the first 24 hours was 25 barrels of fluid of which 58% was oil; 58% emulsion; 0.2% water; and 0.2% sediment. Gravity, °Bé. 27.8

If gas well, cu. ft. per 24 hours — Approx. 400 API

Rock pressure, lbs. per sq. in. — Gallons gasoline per 1,000 cu. ft. of gas —

EMPLOYEES

EMPLOYEES			
-----	Driller	Trinkerhoff Drilling Co.	Driller
J. Speaker	-----	W. Babcock	-----
-----	Driller	-----	Driller
C. Adams	-----	-----	-----

FORMATION RECORD

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1210	1425	215	Pictured Cliffs
1425	1595	170	Lewis
1595	2055	460	Cliff House
2055	3735	1680	Allison-Manefee
3735	3880	145	Point Lookout
3880	4800	920	Mancos
4800	---	---	Gallup

Attached: Drilling History

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 bailing.

HISTORY OF OIL OR GAS WELL

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

[illegible]

FORMATION RECORD-Continued

SHELL OIL COMPANY

Carson Unit
WELL NO. 13-12DRILLING REPORT
FOR PERIOD ENDING

9-9-58

Sec 12

(SECTION OR LEASE)
T25N R12W

(TOWNSHIP OR RANGE)

Bisti

(FIELD)

San Juan, New Mexico

(COUNTY)

DAY	DEPTHS		REMARKS
	FROM	TO	
			<u>Location:</u> 1980'N and 660'E of SW Corner Sec 12, T25N, R12W, NMPM, San Juan County, New Mexico <u>Elevations:</u> DF 6368.6' GR 6361.2' KB 6369.8'
9-2 to 9-3	0	2535	Spudded 8:00 A.M. 9-2-58. Ran and cemented (98') 8-5/8", 24#, J-55 casing at 108' with 100 sacks cement treated with 2% calcium chloride. Good returns to surface. Flanged up and waited on cement. Pressure tested casing and BOP with 500 psi, OK.
9-4 to 9-7	2535	4901	<u>Drilled 2360'</u> .
9-8	4901	5055	<u>Drilled 154'</u> . Ran electrical survey and microlog.
9-9	5055	TD	Ran and cemented (5040') 4-1/2", 9.5# casing at 5050' with 150 sacks cement treated with 4% gel. Displaced with oil, final pressure 1800 psi. Released rig at 4:30 A.M. 9-9-58. Checked BOP daily Mud summary Wt. 9.3-9.9#/gal. Vis. 44-65 sec. Wl. 6.1-8 cc FC. 2/32" Contractor: Brinkerhoff Drilling Co. Drillers: J. Speaker C. Adams E. Babcock Company Pusher: R. I. Alberts

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
DRILL PIPE SIZES				

CB G. Bremer

SHELL OIL COMPANY

Carson Unit

WELL NO. 13-12

DRILLING REPORT

FOR PERIOD ENDING

10-5-58

Pisti

(FIELD)

San Juan, New Mexico

(COUNTY)

Sec. 12

(SECTION OR LEASE)

T25N R12W

(TOWNSHIP OR RANGE)

DAY	DEPTH		REMARKS
	FROM	TO	
9-10	5055	TD	Pressure tested casing with 1400 psi, OK. Bullet perforated four 1/2" holes/ft. 4914-4941, 4973-4987, 4991-5007'. Ran tubing. Made 12 hour pressure survey.
9-11			Spotted 200 gal mud acid. Sand oil fractured (Injected 15,000 gal oil and 15,000# sand-equipment failed.) Bailed sand.
9-12			Sand oil fractured (Injected 25,000 gal crude and 25,000# sand rate of 35 bbls/min - blender gas locked. Bailed sand 4970-5011'.
9-13			Sand oil fractured with 50,000 gal crude with 1#/gal sand and 150 nylon core balls. No pressure effect from balls. Maximum pressure 2700 psi, minimum pressure 2500 psi, rate 34 bbls/min. Flushed with 160 bbls crude.
9-14			Bled back 80 bbls. frac oil
9-15			Swabbed 160 bbls., well began to flow.
9-16 to 9-21			Installed pumping equipment on 2-3/8" tubing at 4850'.
9-22 to 10-4			Pumped and recovered all load and frac oil, 2773 bbls.
10-5			INITIAL PRODUCTION Pumped (24 hours) 25 B/D gross, 25 B/D clean cut 0.2%, 21 MCF/D gas, GOR 640, CP 40, Completed 10-5-58.

CONDITION AT BEGINNING OF PERIOD

HOLE			CASING SIZE	DEPTH SET
SIZE	FROM	TO		
12-1/4"	0	115	8-5/8"	108'
7-7/8"	115	5055	4-1/2"	5050'
DEPT. 12-1/2"				