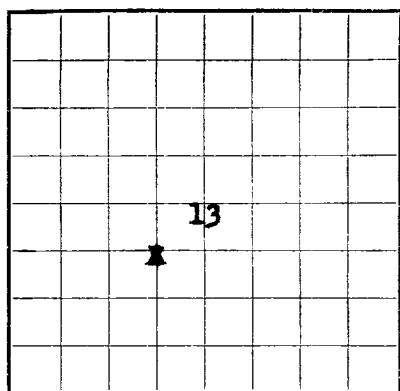


U. S. LAND OFFICE Santa Fe, N. Mexico
SERIAL NUMBER SF 078067
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Shell Oil Company Address 101 South Behrend, Farmington, New Mexico
Lessor or Tract Federal - Carson Unit Field Bisti State New Mexico
Well No. 23-13 Sec. 13 T. 25N R. 12W Meridian NMFM County San Juan
Location 1980 ft. N. of S Line and 1980 ft. E. of W Line of Sec. 13 Elevation 6400 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 _____

Original signed by
B. W. SHEPARD

Date February 26, 1958 Title Exploitation Engineer

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

Commenced drilling January 31, 19 58 Finished drilling February 6 19 58

OIL OR GAS SANDS OR ZONES

(Gross) (Denote gas by G)

No. 1, from <u>4871</u> to <u>4984</u> No. 2, from _____ to _____ No. 3, from _____ to _____	No. 4, from _____ to _____ No. 5, 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"	101	100	Displacement	--	--
4-1/2"	5010	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 5010 feet, and from -- feet to -- feet
Cable tools were used from -- feet to -- feet, and from -- feet to -- feet

DATES

-----February 26-----, 19--58 Put to producing -----February 24-----, 19--58

The production for the first 24 hours was ----- barrels of fluid of which ----- % was oil; ----- % emulsion; ----- % water; and ----- % sediment. Gravity, ~~54.1~~ **59° 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. -----

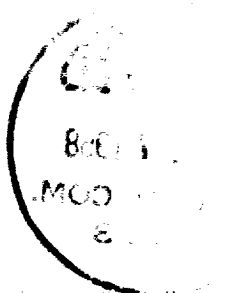
EMPLOYEES

Brinkerhoff Drilling Company

C. Adams	Driller	W. Black	Driller
E. Babcock	Driller		Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
1207	1346	139	Pictured Cliffs
1346	1540	194	Lewis
1540	1965	425	Cliff House
1965	3623	1658	Allison - Menefee
3523	3862	239	Point Lookout
3862	4776	914	Mancos
4776	--	--	Gallup



Original signed by
J. W. SHEPARD

Joseph R. Sullivan

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 plungers 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