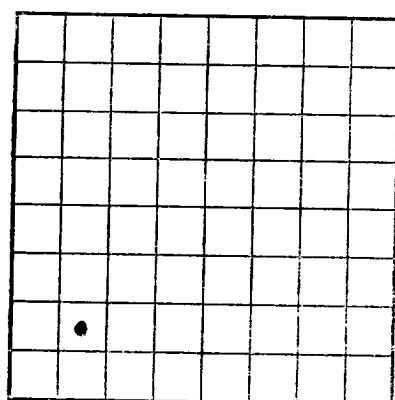




U. S. LAND OFFICE Santa Fe
SERIAL NUMBER N. M. 03384
LEASE OR PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Phillips Petroleum Address P. O. Box 939, Artes, New Mexico
 Lessor or Tract _____ Field Blanco Ext. State New Mexico
 Well No. Mesa 2-9 Sec. 9 T. 30N R. 6W Meridian N.M.P.M. County Rio Arriba
 Location 990 ft. {N.} of S. Line and 990 ft. {E.} of W. Line of Sec. 9-30N-6W Elevation 6274

Signed Carl L. Helm

Date April 24, 1953 Title District Superintendent

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

Commenced drilling December 14., 1952 Finished drilling March 17, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2884 to 3110 G No. 4, from 5125 to 5255 G
 No. 2, from 3110 to 3212 G No. 5, from 5255 to 5458 G
 No. 3, from 3212 to 3300 G No. 6, from 5458 to -- G

IMPORTANT WATER SANDS

No. 1, from 2190 to 2410 No. 3, from 2884 to 3110
No. 2, from 2410 to 2884 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
10-3/4"	174'	140 Sax reg. cement	Halliburton		
7"	5126	750 sax reg. cement	Halliburton		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material	Size
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SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
		DuPont				
		SOWE No. 1	2399 qts.	3-14-53	5178 to 5870	

TOOLS USED

Rotary tools were used from 0 feet to 5128 feet, and from 5128 feet to 5870 feet

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

DATES

-----, 19-----
April 25, 1953

Put to producing -----, 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.	1450
	986

EMPLOYEES

----- **J. B. Mann-Forman** -----, Driller -----, Driller

_____, Driller _____ Driller

FORMATION RECORD

FROM--	TO--	TOTAL FEET	FORMATION
0	2190	2190	Sand and shale
2190	2410	220	Sand
2410	2884	474	Sand and shale.
2884	3110	226	Sand and shale and coal.
3110	3212	102	Sandstone and shale.
3212	3300	88	Sandstone
3300	5125	1825	Shale grey.
5125	5255	130	Sand and shale.
5255	5458	203	Shale coal and sandstone.
5458	5870	412	Sandstone and shale.



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

U. S. GOVERNMENT PRINTING OFFICE 16-42091-1

FROM-	TO-	TOTAL FEET	FORMATION
			Formation Tops
			2190 - Ojo Alamo
			2410 - Kirtland
			2884 - Fruitland
			3110 - Upper Pictured Cliff
			3212 - Lower Pictured Cliff
			3300 - Lewis Shale
			5125 - Cliff House
			5255 - Menefee
			5458 - Point Lookout