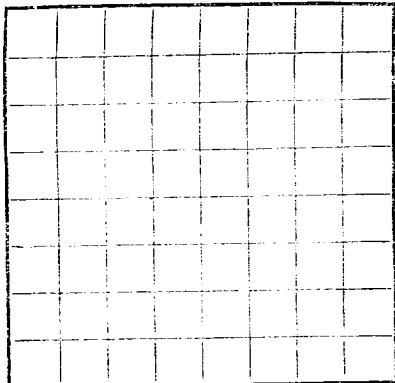


U. S. LAND OFFICE Santa Fe  
SERIAL NUMBER 078481  
LEASE OR PERMIT TO PROSPECT \_\_\_\_\_



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY  
502 Mich. Nat. Bk. Bldg.  
Company Great Lakes Oil & Chem. Co Address Grand Rapids, Mich  
Lessor or Tract raham Field Blanco State New Mexico  
Well No. 2 Sec. 10 T. 27N R. 8W Meridian N.M.P.M. County San Juan  
Location 990 ft. N of N Line and 1800 ft. E of W Line of Section 10 Elevation 5866 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 January 30, 1953 E.V. Crampton  
Title Agent

The summary on this page is for the condition of the well at above date.  
Commenced drilling December 15, 1950 Finished drilling January 13, 1951

OIL OR GAS SANDS OR ZONES  
(Denote gas by G)

No. 1, from 9 2070 to 2170 G No. 4, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 7 3760 to 3 790G No. 5, from \_\_\_\_\_ to \_\_\_\_\_  
No. 3, from 4370 to 4380 G No. 6, from \_\_\_\_\_ to \_\_\_\_\_

IMPORTANT WATER SANDS

No. 1, from 50 to 150 No. 3, from \_\_\_\_\_ to \_\_\_\_\_  
No. 2, from 1300 to 1365 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—	
13 3/8"	50#	8	Nat'l	223'	Steel				Surface
8"	36#	8	New SM.	128'	Baker				Prod. & Shut-off
8"	24#	7	Used SM.	1258'	Baker				W. Shut-off
5 1/2"	17 1/2#	8 & 10	Used	4375'	Baker				Gas String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8"	223'	600	Worm-plug	9.3	
8 5/8"	128'	---	" "	9.4	
8 5/8"	1258'	300	" "	9.4	
5 1/2"	4375'	220	" "	9.6	

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
4"		Nitro-gel	400 qts	2-17-51	4387-4540	4540
4"		" "	320 qts	2-24-51	4353-4540	4536

TOOLS USED

Rotary tools were used from 0 feet to 4390 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet  
Cable tools were used from 4390 feet to 4631 feet, and from \_\_\_\_\_ feet to \_\_\_\_\_ feet

DATES

April 5, 1951 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 950 MC Gallons gasoline per 1,000 cu. ft. of gas 0  
Rock pressure, lbs. per sq. in. 900 PSI.

EMPLOYEES

\_\_\_\_\_, Driller \_\_\_\_\_, Driller  
\_\_\_\_\_, Driller \_\_\_\_\_, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	190	190	River sands and gravels
190	870		Grey shale and sand
	1315		Broken sand & shale-Coarse at base
	1810		Grey shale-slightly sandy
	2070		Dark carbonaceous shale with coal lenses-coal at base
	2170		Firm light Sr sand becoming shaley toward base
	3780		Firm grey, gritty shale-slightly carbonaceous toward base
	4220		Carbonaceous shale, lignite & thin sands
	4240		Fine, soft SPsand
	4335		Dark shale, coal & thin sands
	4350		Sandy shale
	4442		Fine, light SP sand-slight porosity
	4490		Broken sand and dark shale
	4510		Light SP sand
	4540		Light sand with shale
	4631		Slightly sandy dark marine shale
			GEOLOGIC TOPS:
	1315		Base Ojo Alamo
	2070		Top Pictured Cliffs
	2170		" Lewis Shale
	3760		" Mesaverde-Cliff House
	3780		" " -Menefee
	4350		" " - Point Lookout
	4540		" Mancos