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U. S. LAND OFFICE Jicarilla
SERIAL NUMBER Contract #38
Co. LEASE OR PERMIT TO PROSPECT 163111

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

I LOCATE WELL I CORRECTLY

Company Humble Oil & Refining Company Address Box 2180, Houston, Texas
 Lessor or Tract Jicarilla Apache Indians "H" Field Box 1268, Farmington, New Mexico
 Well No. 4 Sec. 31 T. 24N R. 5W Meridian - County Rio Arriba
 Location 990 ft. N. of N. Line and 790 ft. E. of E. Line of Section 31 Elevation 6568
(Derrick Base Station)

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 Russell M. Lilly
Russell M. Lilly
 Title District Superintendent

Date July 26, 1956

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

Commenced drilling July 12, -----, 1956 Finished drilling July 19 -----, 1956

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6-207 to 214 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	Larkin	149	Hall.				
4-5/8	11	11	211	211	Hall.		2107	2118	Prod.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	160	150	Pumped		
4-1/2	2220	275	Pumped		

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
			NONE			

TOOLS USED

Rotary tools were used from 0 feet to 2220 feet, and from _____ feet to _____ feet

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

DATES

July 19, 1956 Put to ~~production~~ pull that in, no pipe line connection.

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 217,857 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. ~~7500~~ SITE

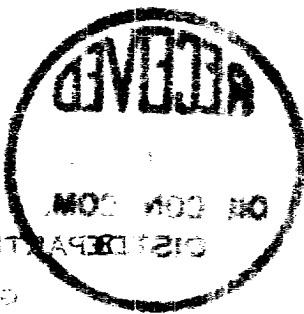
EMPLOYEES

_____, Driller

_____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2220 TD	2220	Sand and Shale Top of Pictured Cliffs formation 2107'.



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ITEM: BAD 20 NO FG DOLL

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 naming 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.

This well was drilled to a total depth of 2200', w/a completion depth of 2178'.
Set 149' of 8-5/8" casg. at 160', w/150 lbs. of reg. neat cnt. w/3% calcium chloride.
Set 221' of 4-1/2" cas. at 2220' w/175 sks. of 10% gal cnt. and 180 sks. neat cnt.
Perforated 4-1/2" casg. from 2107-2152 w/5 WATER SHOTS per foot. Aquifer w/21,000 gallons water and 30,000 sand. Avg. Intake 40-5 bats/min. at 1900#
Set 2060' of 2" tubing at 2067'. Swabbed well in. After 24 hour shut in, and 3 hour blowdown, well produced at rate of 2747 MCF/day.
Flowing gas well from pictured cliffs formation through perms. In 4-1/2" casg. from 2107-2148'.
Completion bailing finished 2107'. Plugged bottom.
Well shut in.

HISTORY OF OIL OR GAS WELL

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