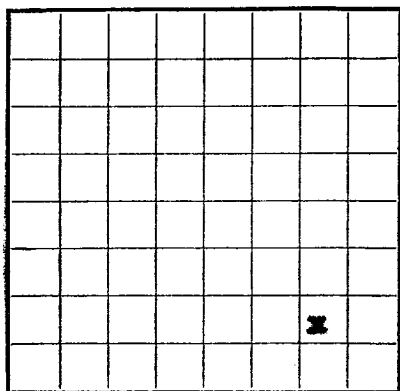




U. S. LAND OFFICE Jicarilla
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____
Contract No. 48

UNITED STATES Co. Loc. No. 163153

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Humble Oil & Refining Company Address Box 1268, Farmington, N. M.
Box 2180, Houston, Texas
Lessor or Tract Jicarilla Apache Tribe of Indians Jicarilla State New Mexico
Well No. "E" 1 Sec. 36 T. 23N R. 5W Meridian - County Sandoval
Location 990 ft. N. of S Line and 990 ft. W. of E Line of section 36 Elevation 6793
(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 2, 1956 Russell M. Lilly Title District Superintendent

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

Commenced drilling October 2, 1955 Finished drilling November 11, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5898 to 5912 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 1527 to 1590 No. 3, from _____ to _____
No. 2, from 1545 to 1675 No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Through hole inch	Make	Amount	Kind of shoe	Out and pulled from	Depth set	Depth	Purpose
9 5/8	36	8-R	Long Star	606	Baker				Surface
5 1/2	18.5	6-R	Foreign	5988	Baker				Production

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	899	285	Halliburton	9.4	
	6353	160	"	9.1	
5 1/2	5999	250	"	9.1	

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"	Welox	Jet	56	11/13	5898-5912	

TOOLS USED

Rotary tools were used from 0 feet to 6353 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

December 23, 1955 Put to producing December 22, 1955

The production for the first 24 hours was 51.06 barrels of fluid of which 99.5% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 42

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____ Shut In Pressure 0 - Pumping

EMPLOYEES

J. R. Hale _____, Driller T. M. Hairston _____, Driller
Aaron Holmes _____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	346	346	Sand
346	670	324	Sand & Shale
670	905	235	Sand, Shale & Shells
905	3500	2595	Sand & Shale
3500	3570	70	Sand, Shale & Lime
3570	3984	414	Sand & Shale
3984	4088	104	Sand, Shale & Coal
4088	6025	1937	Sand & Shale
6025	6162	137	Sand
6162	6190	28	Sand, Shale & Lime
6190	6353 TD	163	Sand & Shale

Top of Sanostee at 5850'

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

[illegible]

LOCATE WELL CORRECTLY

The information given below is a complete and correct record of the well and all work done thereon.
As far as can be determined from all available records.

Signed _____
Date January 2, 1968

Location in Twp. 2 N., R. 2 E., S. 20 of _____
Well No. 1
Diameter of Tract _____
Company _____
Operator _____
Address _____
City _____ State _____
County _____
Section 30
Twp. 2 N., R. 2 E., S. 20 of _____

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

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Journal of Management Education

Corded from 5780 to 5830, 5850 to 5869, 5870 to 5891, 6115 to 6162, 6190 to 6226,
 and 6306 to 6353.

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 charges. If plugs or bridges were put in or left for water, state kind of material used, position, and results of plugging or bridging. This well was drilled to a total depth of 6635'. Ran 9 5/8 casing set at 8891' and cemented with 285 sacks cement. Ran 5 1/2 casing at 8899 and cemented with 285 sacks cement. The back depth at 6000'. 5 1/2" casing was perforated from 5006 to 5012 with 36 holes and treated with 500 gals mud acid. Perforations were then treated with 11,970 gals water and 8,100 # sand. After pumping well 24 hours, produced at rate of 51.06 bbls / day, including 50.61 bbls. on 1 thru 1 1/2" choke. Pumping unit installed 12/22/55/

HISTORY OF OIL OR GAS WELL

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