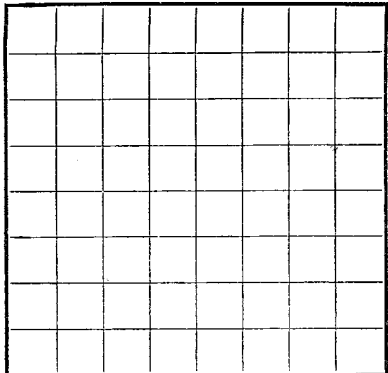


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 001630
LEASE OR PERMIT TO PROSPECT Lease



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company GENERAL AMERICAN OIL CO. OF TEXAS Address P. O. Box 416, Loco Hills, N. M.
Lessor or Tract Drewer Field High Lomasoma State New Mexico
Well No. 4 Sec. 14 T. 16-SR. 29 Meridian N. P. M. County Eddy
Location 1980 ft. S. of E. Line and 662 ft. W. of E. Line of Section 14 Elevation 3725
(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 R. J. Heard
Date January 9, 1959 Title District Superintendent

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

Commenced drilling December 6, 1958 Finished drilling January 1, 1959

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

No. 1, from 1375' to 1381' No. 4, from _____ to _____
No. 2, from 2072' to 2072' No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from 336' to 343' No. 3, from _____ to _____
No. 2, from 1855' to 1867' 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—	
10 3/4"	32.75	8-11	Used	352'	Regular	352'			Surface
8 5/8"	23	8-11	Used	1880'	Regular	1880'			String
7"	23	8-11	Used	2072'	Guide				Water
									String
									Production
									String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4"	352'	None	Obtained formation shut-off		
8 5/8"	1880'	None	Pump & Plug	Heavy	50 Sacks Aquagel
7"	2072'	150	Pump & Plug	Heavy	15 Sacks Aquagel

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
		material		1-2-59	treated	
		2 1/2 lbs	370 lbs		2072, 2070	
		Crude Oil	46,284 gal		" "	
		Ottawa Sand	90,000 lb		" "	

TOOLS USED

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

DATES

January 9, 1959 Put to producing January 5, 1959

The production for the first 24 hours was 743 barrels of fluid of which 100 % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, 28.370 API

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

B. G. Crooks, Driller Don Porter, Driller
Hollis Gray, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	161	161	Red Shale
161	170	9	Sand
170	336	166	Red Shale
336	343	7	Sand
343	352	9	Anhy
352	435	83	Red Shale
435	435	0	Anhy
435	900	465	Salt
900	1080	180	Anhy
1080	1195	115	Anhy & Red Shale
1195	1364	169	Anhy
1364	1385	21	Anhy & Sand
1385	1620	235	Anhy
1620	1690	70	Anhy & Line Shells
1690	1831	141	Anhy
1831	1843	12	Anhy & Shale
1843	1855	12	Red Sand
1855	1862	7	SLM
1862	1867	5	Red Sand
1867	1940	73	Anhy
1940	1946	6	Anhy & Line
1946	1971	25	Anhy
1971	1967	-4	SLM
1967	2016	49	Anhy
2016	2073	57	Anhy & Red Shale
2073	2072	6	Anhy & Gray Sand

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

FROM—	TO—	TOTAL FEET	FORMATION
2079	2072	13	Gray sand
2092	2072	2	Gray sand

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Las Cruces
Lease No. 061638
Unit Braver

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....	<input checked="" type="checkbox"/>
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....	
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....	
NOTICE OF INTENTION TO ABANDON WELL.....		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Loco Mills, New Mexico, January 5, 1959Well No. 4 is located 1980 ft. from [N] line and 660 ft. from [E] line of sec. 14SE 1/4 NW 1/4 SEC. 14 16-9 29-N N.M.P.M.
(1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)HIGH LOBOS BLVD NEW MEXICO
(Field) (County or Subdivision) (State or Territory)The elevation of the derrick floor above sea level is 3725 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

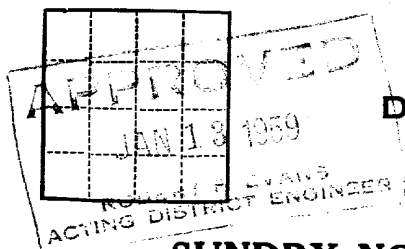
On December 29, 1958, we ran 2072' of 7" OD 8rd thrd 23# used JS Casing to 2074' and cemented with 150 mx cement. After standing cemented 72 hours, we tested casing with 3000 psig, drilled plug, bailed hole down and re-ran bailer.

As shut-off proved complete drilling was resumed.

Cementing and pressure testing was done by Denton Oil Well Cementing Co.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company GENERAL AMERICAN OIL COMPANY OF TEXASAddress P. O. Box 416Loco Mills, New MexicoBy R. F. MillerTitle District Engineer



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYLand Office Las Cruces
Lease No. 061638
Unit Brewer

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF	SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE	SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING	SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	<u>Subsequent Report of Acid & Frac.</u>	<u>X</u>

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Loco Hills, New Mexico January 12, 1959Well No. 4 is located 1980 ft. from [N] line and 660 ft. from [E] line of sec. 14NE/4 SEC. 14 16-S 29-E N.M.P.M.
($\frac{1}{4}$ Sec. and Sec. No.) (Twp.) (Range) (Meridian)
HIGH LONESOME EDDY NEW MEXICO
(Field) (County or Subdivision) (State or Territory)The elevation of the derrick floor above sea level is 3725 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

RECORD OF ACID & FRAC:

1-2-59 Loaded hole & broke down with 9 bbls. 20% SLT HCl & 162 BO followed by 1102 BO containing 30,000# 40/60 & 60,000# 20/40 Ottawa Sand. Flushed w/127 BO. Total inj. time 32 min; avg. inj. rate 41.5 BPM. MAX. Inj. press. 1880 psig; minimum 1600; SD 1400; on vacuum in 18 hrs. Load oil to rec. 1391 bbls. Job by Western Co.

RESULTS OF ACID & FRAC:

1-3-59 Ran 2062' of 2" EUE new JS tubing. Pulled swab 6 times, well kicked off and flowed.
1-4-59 Flowed 664 BO in 16 hrs.
1-5-59 Flowed 870 BO in 25 hrs. thru 3/4" tubing choke. FTP 150 psig; FCP 420 psig. NET oil 143 bbls. Potential 768 BOPD based on 96 BO in 3 hrs.

SUBSEQUENT TESTS:

1-7-59 Flowed 175 BO in 6 hrs. thru 3/4" tubing choke with GOR 982/1.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company GENERAL AMERICAN OIL COMPANY OF TEXASAddress P. O. BOX 416LOCO HILLS, NEW MEXICO

By

R. J. Heard

Title

District Superintendent