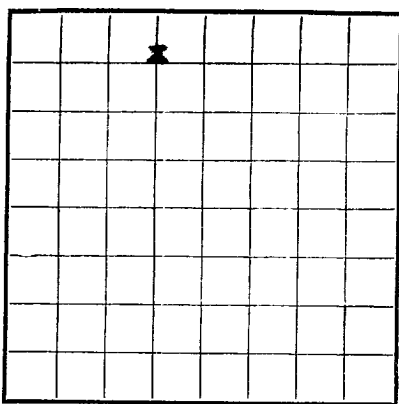


U. S. LAND OFFICE Las CrucesSERIAL NUMBER 067858

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 68, Hobbs, New Mexico
Lessor or Tract USA Misco Refineries "A" Field Wildcat State New Mexico
Well No. 1 Sec. 11 T. 18 R. 27 Meridian NMPM County Eddy
Location 660 ft. N of N Line and 1980 ft. E of W Line of Section 11 Elevation 3585 RDB
(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 F. W. DownsDate November 7, 1957Title Field Superintendent

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

Commenced drilling September 5, 19 57 Finished drilling November 2, 19 57

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6014 to 6030 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—	
<u>8-5/8</u>	<u>24</u>	<u>8</u>	<u>J-55</u>	<u>890</u>	<u>Float</u>				
<u>5-1/2</u>	<u>11 1/2</u>	<u>8</u>	<u>J-55</u>	<u>630</u>	<u>Float</u>				

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8-5/8</u>	<u>903</u>	<u>332</u>	<u>Howco</u>		
<u>5-1/2</u>	<u>6315</u>	<u>150</u>	<u>Howco</u>		

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

TOOLS USED

Rotary tools were used from surface feet to 6315 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed November 8, 19 57 Put to producing November 6, 19 57

The production for the first 24 hours was 84 barrels of fluid of which _____ % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 43°

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

Rock pressure, 11,400 psi

EMPLOYEES

J. T. Hobson Driller
F. W. Downs Driller
Raymond Driller

FORMATION RECORD

FROM	TO	TOTAL FEET	FORMATION
0	140	140	Surface
140	270	270	Anhy., Dolomite, Sand
270	350	350	Anhy., Sand
350	455	455	Anhy., Dolomite, Sand
455	582	582	Anhy., Sand
582	780	780	Anhy., Sand
780	1006	1006	Anhy., Sand
1006	1273	1273	Anhy., Sand
1273	1453	1453	Anhy., Sand
1453	1634	1634	Anhy., Sand
1634	1722	1722	Anhy., Sand
1722	1741	1741	Anhy., Sand
1741	1882	1882	Anhy., Sand
1882	2201	2201	Anhy., Sand
2201	2781	2781	Anhy., Sand
2781	3100	3100	Anhy., Sand
3100	3459	3459	Anhy., Sand
3459	3955	3955	Anhy., Sand
3955	4165	4165	Anhy., Sand
4165	4587	4587	Anhy., Sand
4587	4862	4862	Anhy., Sand
4862	4981	4981	Anhy., Sand
4981	5324	5324	Anhy., Sand
5324	5501	5501	Anhy., Sand
5501	5882	5882	Anhy., Sand
5882	6030	6030	Anhy., Sand

FORMATION RECORD—Continued

LEASE OR PERMIT TO PROSPECT
SPECIAL NUMBER 0-752
U. S. LAND OFFICE
LOS ANGELES

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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 *W. H. H. H. H.*

Location 500 ft. ☒ of A. Line and 1900 ft. ☒ of W. Line of Section 11, Elevation 1015.00

Well No. 1 Sec. 11 T. 12. R. 27. Meridian 10N2E County 10N2E State Washington

Lessee or Third Party "Mesa Petroleum Co." Field "Mesa" State Washington

Company "Mesa Petroleum Co." Address "Box 68, Mesa, New Mexico"

Completed drilling September 2, 1957 Finished drilling November 2, 1957
The summary on this page is for the condition of the well at above date.

Date November 7, 1957 Title Field Experiment

OIL OR GAS SANDS OR ZONES

(G) und aus dieser

No. 1, from	to	1930	No. 4, from	to
No. 2, from	to		No. 5, from	to
No. 3, from	to		No. 6, from	to

IMPORTANT WATER SAMPLES

01	from 1.8 to 2.0	01	from 1.1 to 1.2
01	from 1.4 to 1.5	01	from 1.2 to 1.3

CASING RECORD

Quantity	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cost and billed from	Permitted from	To	Remarks
100	34	8	1-2	200	Shoe				

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of refilling, 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 pligs or bridges were put in test for water, state kind of material used, position, and results of pumping or bailing.

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

SLUDDING AND CEMENTING RECORD

[illegible]

SLUGS AND ADAPTERS

Depth	Length	Weight	Age	Sex	Remarks
100	10	100	10	10	10

SHOOTING RECORD

[illegible]

013211 2.100T

[illegible]

DATE

Production for the first 24 hours was	3	barrels of fluid of which 7 was oil	Put to producing	November 6
				10

It gas well on ft. per 24 hours
2017-6030 with 2000 Gallons Gasoline per 1.000 c
Quality, Del.

and 540' and cut sulphur and 470' sulphur water. BPSI 2390
BPSI 2390 -

BHESI 2350 608 1158 608 1158 6165 - 6200 6165 - 6200
 immediately, discharging to very weak downwind drift. Rec. 5700
 immediately, discharging to very weak downwind drift. Rec. 5700
 immediately, discharging to very weak downwind drift. Rec. 5700

ST-66
6110 - 6150 - 400 - 1000 open 2 hrs., 15 min. to surface 6 min., oil to surface in 8 min. Flow 126 BO no water
2 hrs. Gas Rate 1059 MCFD - 1780 Initial BHPSI 2350 30 min.

NOTED, BHP 860-160 30 min. BHP 2300, approximate out 0200 GLT.; 2 BHP. Water below clearing swap. Any., 10 minutes, 0200 Surface

6663-6100 - Abo 1701 open 2 hrs. 40 min., gas to surface in 2 min. Mud to surface in 8 min. Fls 11660, and number 2 hrs., gas rate 1619

48 530 MCFD. Bottom hole chokoff, 1" BHP 480 =
 6303 hrs. BHP 570 all gas at 55° circulate out 5900!
 4105 hrs. water below circulating and.

Flow 292 BD and 18 BW into 40" diameter rate 570 MCFPD
5500-6050-lps - 100" open 15" diameter 70" dia., Gas to surface in 20
Time

[illegible]

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125-1376 - Green, foot open 1 hour, that trace of gas to surface turned - furnished to make blow down of tank. Rec. 407, slightly mud water. Last 1000 ft. gas cut sulphur water.

[illegible]

FROM	TO	TOTAL FEET	[FOAER]	FORMATION
706	802	134		
717	802	92		
				Shale, Dolomite Limestone, Dolomite

FORMATION RECORD—Continued

FORMATION RECORD—Continued