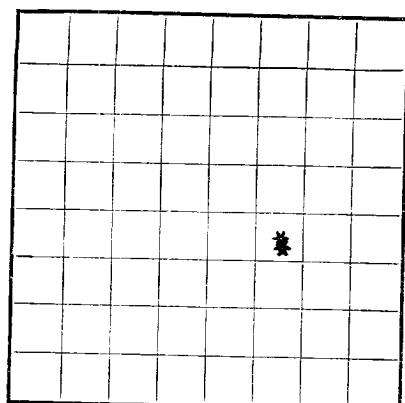


Las Cruces
U. S. LAND OFFICE **LC 065478 (b)**
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____

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 Malco Refineries "H" Field Empire Abo State New Mexico
Well No. 4 Sec. 3 T. 18S R. 27E Meridian NMPM County Eddy
Location 1980 ft. N. of S Line and 1780 ft. E. of E Line of Section 3 Elevation 3539 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.

Date April 1, 1959 Signed _____ Title Field Superintendent
Original Filed by J. W. Brown

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

Commenced drilling February 25, 19 59 Finished drilling March 25, 19 59

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5650 to 5670 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	J-55	1490	Float		5650	5670	Surface
5-1/2	11	8	J-55	5909	Float		w/2 shots per foot		Oil String

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	1493	750	HOWCO		
5-1/2	5913	250	HOWCO		

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 5381 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed 3-26, 19 59 Put to producing 3-25, 19 59
The production for the first 24 hours was 79 barrels of fluid of which 100% was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 42.0

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. J. Wright, Driller R. E. Mills, Driller
J. W. Martin, Driller W. P. Tadlock, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	693	693	Red Bed TOPS
693	1495	802	Anhy., Gyp
1495	1592	97	Anhy., Lime
1592	2141	549	Lime San Andres 1610'
2141	2558	417	Lime Glorieta 3040'
2558	2606	48	Lime and Shale Abo 5140'
2606	3023	417	Lime Abo Reef 5275'
3023	3631	608	Lime and Sand
3631	3871	240	Lime
3871	4250	379	Lime and Sand
4250	4302	52	Lime
4302	4796	494	Lime and Sand
4796	4930	134	Lime
4930	5005	75	Lime and Chert
5005	5070	65	Lime, Dolomite and Chert
5070	5130	60	Dolomite and Chert
5130	5288	158	Lime, Dolomite and Chert
5288	5459	171	Lime and Dolomite
5459	5881	422	Shale & Lime
			Lime

FROM-	TO-	TOTAL FEET	FORMATION

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

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

Well was drilled to a TD of 5881' and perforated 5650-5670 with 2 shots per foot. On test well produced 79 BO, no water, 32.8 MCFG in 24 hrs., on 9/6 1/4" choke, GOR. 1018