

A 10x10 grid with a small black star in the bottom right corner.

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U. S. LAND OFFICE New Mexico
SERIAL NUMBER 01877
LEASE OR PERMIT TO PROSPECT _____

UNITED STATES

U. S. DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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U.S. GEOLOGICAL SURVEY
ARTESIAN NEW MEXICO

LOG OF OIL OR GAS WELL

Company Pan American Petroleum Corporation Address Box 68, Hobbs, New Mexico
Lessor or Tract Big Eddy Unit Field Wildest State New Mexico
Well No. 1 Sec. 3 T. 20S R. 31E Meridian NMPM County Eddy
Location 660 ft. N of 8 Line and 660 ft. W of 8 Line of Sec. 3 Elevation 3514' RDB
(Direction from well to corner)

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. Original signed by: _____

Date 6/25/62 Title Area Superintendent

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

Commenced drilling 11/23/ 19 61 Finished drilling 3/30/ 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 10,690 to 10,710 (G) No. 4, from _____ to _____
No. 2, from _____ to 901 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—	
13 3/8	49	8R	H-40	797	Guide				Surface
9 5/8	32.3	8R	H-40	1929	Guide				Int. Log
	36	8 R	J-55	632					
7 5/8	26.4-29.7	7	N-80	11439			10690	10710	Oil String
	33.7	8 RT							
5 1/2	20#	8 R	N-80	1739	Guide				

1-80-1739 Guide MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	812	750	Pump-Plug		
9 5/8	2365	750	" "		
7 5/8	11354	835	" "		
5 1/2	12970	Included Above	" "		

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
Acidized Perf.	10690 -	10710 W/2000 Gal.	Acid.			

TOOLS USED

Rotary tools were used from 0 feet to 14,205 feet, and from _____ feet to _____ feet

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

DATES

Completed as Shut-in Gas Well _____
 _____ June 5, 1962 _____
 _____ Put to producing _____, 19____

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

Rock pressure, lbs. per sq. in. _____

EMPLOYEES - Sharp Drilling Company

<u>Charles R. Aaron</u>	, Driller	<u>Grand Cox</u>	, Driller
<u>D. M. Cribbs</u>	, Driller	<u>B. B. Josey</u>	, Pusher

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	724	724	Red bed
724	802	88	Red bed, anhy
812	2077	1265	Salt, Anhy
2077	3054	977	Lime
3054	3207	153	No returns
3207	7951	4744	Lime
7951	7954	3	Lime, shale
7954	8424	470	Lime
8424	8508	84	Lime, chert, sand-stone
8508	8568	60	Lime, sand
8568	8635	67	Lime, shale
8635	8745	110	Lime, sand
8745	8777	32	Lime, Sand, shale
8777	8897	120	Lime, sand
8897	8952	55	Lime, shale, chert
8952	9181	199	Lime, chert, sand
9181	9791	610	Lime
9791	10,025	234	Lime, sand
10,025	10,122	97	Lime
10,122	10,630	508	Lime, sand
10,630	10,695	65	Lime, sand, shale
10,695	10,792	97	No returns
10,792	10,811	19	Lime

FROM-	TO-	TOTAL FEET	FORMATION
10,811	11,174	360	Lime, shale
11,174	11,199	25	Shale
11,199	11,333	134	Lime, shale
11,333	11,382	39	Lime
11,382	11,410	28	Lime, shale
11,410	11,430	49	Lime
11,430	11,564	105	Lime, chert
11,564	11,608	44	Lime
11,608	11,766	158	Lime, chert
11,766	11,775	9	Lime
11,775	11,826	60	Lime, shale
11,826	11,942	116	Lime
11,942	11,995	53	Lime, shale
11,995	12,081	86	Lime
12,081	12,304	223	Lime, shale
12,304	12,356	52	Lime, shale, sand
12,356	12,390	34	Lime, sand
12,390	12,418	28	Lime, shale
12,418	12,432	14	Lime, shale, sand
12,432	12,449	17	Lime, shale, chert
12,449	12,468	19	Lime, chert
12,468	12,479	11	Lime, shale, sand
12,479	12,483	4	Lime, sand
12,483	12,525	42	Lime, sand, shale
12,525	12,549	24	Lime, sand, chert
12,549	12,571	22	Lime, sand, chert
12,571	12,587	16	Lime, sand
12,587	12,592	5	Sand shale
12,592	12,721	129	Lime, shale, sand
12,721	12,795	74	Lime, shale
12,795	12,841	46	Lime, shale, sand
12,841	12,852	11	Sand, shale
12,852	12,894	42	Sand, shale, lime
12,894	12,930	36	Shale, sand
12,930	13,309	379	Lime, shale
13,309	13,694	385	Lime, chert, shale
13,694	13,726	32	Lime, chert
13,726	13,781	55	Lime, chert, shale
13,781	13,799	18	Lime, shale
13,799	13,897	98	Shale
13,897	13,950	53	Lime, shale
13,950	14,205	255	Lime

Top's from logs
11418
11845
13259
13930
Strom
Atoka
Miss.
Devonian

HISTORY OF OIL OR GAS WELL

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.

TD 14,205'. Ran logs. Selective testing and review of logs confirmed no commercial pays below PBD 12,970'. In accordance telephone authority of 3/26/62 by Mr. Shook to J. W. Meek, the hole was plugged back as follows: 30 SX cement plug set from 14,000-13,900'; 45 SX cement plug set from 13,070'-12,970'. All intervals filled with heavy mud laden fluid. On 3/28/62 1723' of 5 1/2" OD 20# N-80 casing liner was run and set from 11,247' to 12,970' and cemented with 235 SX cement, PBD 12,900'. Top cement behind 5 1/2" at 11,310'. After 400 lb. hours, perforated 12,592'-12,608' w/45SPF, and spotted 1000 gal MCA. Water treated with 20,000 gal water and 2000# rounded walnut hulls. Recovered no oil or gas. Set CI retainer at 12,555' and squeezed perforations 12,592'-408' w/50 SX cement. Plug set in Devonian and subsequent running of liner approved by telephone 3/26/62, per Mr. Shook, USGS, to J. W. Meek. Perforated 12,460'-92' w/45PF. Recovered no oil or gas. Set CI retainer at 12,400' and squeezed perforations 12,460'-92' w/50 SX cement. Perforated Strawn 11,486'-504' w/25PF and acidized with 2000 gal acid. Perforations communicated behind liner to 7 5/8 casing. Squeezed with 95 SX cement. Drilled out to 11,504' and performed 11,486'-11,504' w/25PF and acidized with 2000 gallons. Did not recover load water. Perforated 11,527'-532' w/45PF and acidized with 1000 gal LSTNE. Recovered 249 BO and 541 BW in 7 days. Squeezed perforations 11,486'-11,532' with 100 SX cement to shut off water. Perforated 11,527'-11,532' and acidized with 500 gal LSTNE. Recovered load water. 162 BO x 1259 BNM in 7 days.

Set CI Bridge Plug at 11050' and squeezed perforations 11527'-11532' with 75 SX cement. Perforated wellbore 10690'-710' with 45PF. Acidized with 2000 gal LSTNE acid, swabbed in and evaluated. Set Baker Model "D" Production packer with knockout plug at 10,600'. Perforated 8409'-10' w/45PF and cemented behind 7 5/8" casing with 600 SX cement. Cement circulated. Drilled out cement, tested casing and performed evaluation tests.

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