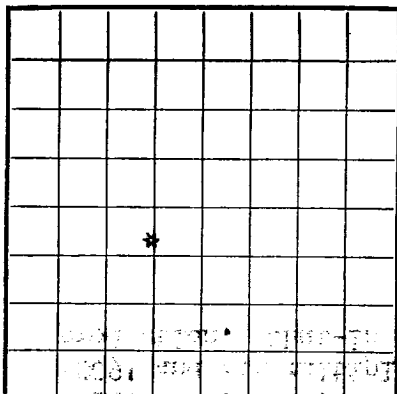




(Multiple Completed)

U. S. LAND OFFICE **Las Cruces**SERIAL NUMBER **032450(b)**

LEASE OR PERMIT TO PROSPECT

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 **South Mattix Unit** Field **Tubb(g), Blinebry(o), Fowler Paddock(g)** State **N.M.**
Well No. **14** Sec. **15** T. **24S** R. **37E** Meridian **NMPH** County **Lea**
Location **1980** ft. **N** of **8** Line and **1980** ft. **E** of **W** Line of **15** Elevation **3264** 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. Original Signed by: **V. E. STALEY**
Signed **V. E. STALEY**
Date **October 5, 1962** Title **Area Superintendent**

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

Commenced drilling **6/25/** 19**62** Finished drilling **7/16/** 19**62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **4849'** to **4885' (G)** No. 4, from _____ to _____
No. 2, from **5380'** to **5670'** No. 5, from _____ to _____
No. 3, from **5936'** to **6093' (G)** 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—	
9-5/8"	32.3	8	H-40	1068	Cut				Surface
7"	20-23	8	H-40	6540	"		4849	4885	Oil String
							5380	5670	
							5936	6093	6115

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	1068	475-Circ Pump Plug			
7"	6403	500	" "		

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
	Paddock-500 Gal 15% Acid					
	Blinebry-4000 Gal. 15% Acid					
	Tubb-4000 Gal 15% Acid					

TOOLS USED

Rotary tools were used from **0** feet to **6403** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed **9/19/** 19**62** Put to producing **Blinebry 9-2-** 19**62**

The production for the first 24 hours was **144** barrels of fluid of which **100** % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, cu. ft. per 24 hours **2.9MMCF** Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Jack Gotthardt, Driller **Both Gas Zones Completed and SI**
Bryant, Driller **Pending NMOCC hearing to produce.**
R. J. Gaspard, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1025	1025	Red Bed
1025	1068	43	Anhy
1068	1430	362	Red Bed, Salt
1430	1600	170	Salt
1600	2383	783	Anhy, Salt
2383	3397	1014	Anhy
3397	6403	3006	Lime
			Tops
			Anhy- 1010
			Salt 1110
			Yates 2508
			Queen 3150
			San Andres 3800
			Glorietta 4849
			Blinebry 5380
			Tubb 5936
			Drinkard 6231

(OVER)

FORMATION RECORD—Continued

16-43004-4

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
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Deviation Tests - TORCO
Depth
Dip Angle Off

695	1078	1537	1-1/2
1993	1293	2366	1-1/2
2145	1507	2569	2-3/4
2397	1710	2805	2-1/2
3195	1913	3397	2-1/2
3571	2116	3799	2
3799	2319	4024	1-1/2
4024	2522	4249	1-1/2
4249	2725	4474	1
4474	2928	4699	1-1/2
4699	3131	4924	1-1/2
4924	3334	5149	1-1/2
5149	3537	5374	2
5374	3740	5599	1-1/2
5599	3943	5824	1-1/2
5824	4146	6049	1-1/2
6049	4349	6274	1-1/2
6274	4552	6499	1-1/2
6499	4755	6724	1-1/2
6724	4958	6949	1-1/2
6949	5161	7174	1-1/2
7174	5364	7399	1-1/2
7399	5567	7624	1-1/2
7624	5770	7849	1-1/2
7849	5973	8074	1-1/2
8074	6176	8299	1-1/2
8299	6379	8524	1-1/2
8524	6582	8749	1-1/2
8749	6785	8974	1-1/2
8974	6988	9199	1-1/2
9199	7191	9424	1-1/2
9424	7394	9649	1-1/2
9649	7597	9874	1-1/2
9874	7800	10099	1-1/2
10099	8003	10324	1-1/2
10324	8206	10549	1-1/2
10549	8409	10774	1-1/2
10774	8612	10999	1-1/2
10999	8815	11224	1-1/2
11224	9018	11449	1-1/2
11449	9221	11674	1-1/2
11674	9424	11899	1-1/2
11899	9627	12124	1-1/2
12124	9830	12349	1-1/2
12349	10033	12574	1-1/2
12574	10236	12799	1-1/2
12799	10439	13024	1-1/2
13024	10642	13249	1-1/2
13249	10845	13474	1-1/2
13474	11048	13699	1-1/2
13699	11251	13924	1-1/2
13924	11454	14149	1-1/2
14149	11657	14374	1-1/2
14374	11860	14599	1-1/2
14599	12063	14824	1-1/2
14824	12266	15049	1-1/2
15049	12469	15274	1-1/2
15274	12672	15499	1-1/2
15499	12875	15724	1-1/2
15724	13078	15949	1-1/2
15949	13281	16174	1-1/2
16174	13484	16399	1-1/2
16399	13687	16624	1-1/2
16624	13890	16849	1-1/2
16849	14093	17074	1-1/2
17074	14296	17299	1-1/2
17299	14499	17524	1-1/2
17524	14702	17749	1-1/2
17749	14905	17974	1-1/2
17974	15108	18199	1-1/2
18199	15311	18424	1-1/2
18424	15514	18649	1-1/2
18649	15717	18874	1-1/2
18874	15920	19099	1-1/2
19099	16123	19324	1-1/2
19324	16326	19549	1-1/2
19549	16529	19774	1-1/2
19774	16732	19999	1-1/2
19999	16935	20224	1-1/2
20224	17138	20449	1-1/2
20449	17341	20674	1-1/2
20674	17544	20899	1-1/2
20899	17747	21124	1-1/2
21124	17950	21349	1-1/2
21349	18153	21574	1-1/2
21574	18356	21799	1-1/2
21799	18559	22024	1-1/2
22024	18762	22249	1-1/2
22249	18965	22474	1-1/2
22474	19168	22699	1-1/2
22699	19371	22924	1-1/2
22924	19574	23149	1-1/2
23149	19777	23374	1-1/2
23374	19980	23599	1-1/2
23599	20183	23824	1-1/2
23824	20386	24049	1-1/2
24049	20589	24274	1-1/2
24274	20792	24499	1-1/2
24499	20995	24724	1-1/2
24724	21198	24949	1-1/2
24949	21401	25174	1-1/2
25174	21604	25399	1-1/2
25399	21807	25624	1-1/2
25624	22010	25849	1-1/2
25849	22213	26074	1-1/2
26074	22416	26299	1-1/2
26299	22619	26524	1-1/2
26524	22822	26749	1-1/2
26749	23025	26974	1-1/2
26974	23228	27199	1-1/2
27199	23431	27424	1-1/2
27424	23634	27649	1-1/2
27649	23837	27874	1-1/2
27874	24040	28099	1-1/2
28099	24243	28324	1-1/2
28324	24446	28549	1-1/2
28549	24649	28774	1-1/2
28774	24852	28999	1-1/2
28999	25055	29224	1-1/2
29224	25258	29449	1-1/2
29449	25461	29674	1-1/2
29674	25664	29899	1-1/2
29899	25867	30124	1-1/2
30124	26070	30349	1-1/2
30349	26273	30574	1-1/2
30574	26476	30799	1-1/2
30799	26679	31024	1-1/2
31024	26882	31249	1-1/2
31249	27085	31474	1-1/2
31474	27288	31699	1-1/2
31699	27491	31924	1-1/2
31924	27694	32149	1-1/2
32149	27897	32374	1-1/2
32374	28100	32599	1-1/2
32599	28303	32824	1-1/2
32824	28506	33049	1-1/2
33049	28709	33274	1-1/2
33274	28912	33499	1-1/2
33499	29115	33724	1-1/2
33724	29318	33949	1-1/2
33949	29521	34174	1-1/2
34174	29724	34399	1-1/2
34399	29927	34624	1-1/2
34624	30130	34849	1-1/2
34849	30333	35074	1-1/2
35074	30536	35299	1-1/2
35299	30739	35524	1-1/2
35524	30942	35749	1-1/2
35749	31145	35974	1-1/2
35974	31348	36199	1-1/2
36199	31551	36424	1-1/2
36424	31754	36649	1-1/2
36649	31957	36874	1-1/2
36874	32160	37099	1-1/2
37099	32363	37324	1-1/2
37324	32566	37549	1-1/2
37549	32769	37774	1-1/2
37774	32972	37999	1-1/2
37999	33175	38224	1-1/2
38224	33378	38449	1-1/2
38449	33581	38674	1-1/2
38674	33784	38899	1-1/2
38899	33987	39124	1-1/2
39124	34190	39349	1-1/2
39349	34393	39574	1-1/2
39574	34596	39799	1-1/2
39799	34799	40024	1-1/2
40024	35002	40249	1-1/2
40249	35205	40474	1-1/2
40474	35408	40699	1-1/2
40699	35611	40924	1-1/2
40924	35814	41149	1-1/2
41149	36017	41374	1-1/2
41374	36220	41599	1-1/2
41599	36423	41824	1-1/2
41824	36626	42049	1-1/2
42049	36829	42274	1-1/2
42274	37032	42499	1-1/2
42499	37235	42724	1-1/2
42724	37438	42949	1-1/2
42949	37641	43174	1-1/2
43174	37844	43399	1-1/2
43399	38047	43624	1-1/2
43624	38250	43849	1-1/2
43849	38453	44074	1-1/2
44074	38656	44299	1-1/2
44299	38859	44524	1-1/2
44524	39062	44749	1-1/2
44749	39265	44974	1-1/2
44974	39468	45199	1-1/2
45199	39671	45424	1-1/2
45424	39874	45649	1-1/2
45649	40077	45874	1-1/2
45874	40280	46099	1-1/2
46099	40483	46324	1-1/2
46324	40686	46549	1-1/2
46549	40889	46774	1-1/2
46774	41092	46999	1-1/2
46999	41295	47224	1-1/2
47224	41498	47449	1-1/2
47449	41701	47674	1-1/2
47674	41904	47899	1-1/2
47899	42107	48124	1-1/2
48124	42310	48349	1-1/2
48349	42513	48574	1-1/2
48574	42716	48799	1-1/2
48799	42919	49024	1-1/2
49024	43122	49249	1-1/2
49249	43325	49474	1-1/2
49474	43528	49699	1-1/2
49699	43731	49924	1-1/2
49924	43934	50149	1-1/2
50149	44137	50374	1-1/2
50374	44340	50599	1-1/2
50599	44543	50824	1-1/2
50824	44746	51049	1-1/2
51049	44949	51274	1-1/2
51274	45152	51499	1-1/2
51499	45355	51724	1-1/2
51724	45558	51949	1-1/2
51949	45761	52174	1-1/2
52174	45964	52399	1-1/2
52399	46167	52624	1-1/2
52624	46370	52849	1-1/2
52849	46573	53074	1-1/2
53074	46776	53299	1-1/2
53299	46979	53524	1-1/2
53524	47182	53749	1-1/2
53749	47385	53974	1-1/2
53974	47588	54199	1-1/2
54199	47791	54424	1-1/2
54424	47994	54649	1-1/2
54649	48197	54874	1-1/2
54874	48400	55099	1-1/2
55099	48603	55324	1-1/2
55324	48806	55549	1-1/2
55549	49009	55774	1-1/2
55774	49212	55999	1-1/2
55999	49415	56224	1-1/2
56224	49618	56449	1-1/2
56449	49821	56674	1-1/2
56674	50024	56899	1-1/2
56899	50227	57124	1-1/2
57124	50430	57349	1-1/2
57349	50633	57574	1-1/2
57574	50836	57799	1-1/2
57799	51039	58024	1-1/2
58024	51242	58249	1-1/2
58249	51445	58474	1-1/2
58474	51648	58699	1-1/2
58699	51851	58924	1-1/2
58924	52054	59149	1-1/2
59149	52257	59374	1-1/2
59374	52460	59599	1-1/2
59599	52663	59824	1-1/2
59824	52866	60049	1-1/2
60049	53069	60274	1-1/2
60274	53272	60499	1-1/2
60499	53475	60724	1-1/2
60724	53678	60949	1-1/2
60949	53881	61174	1-1/2
61174	54084	61399	1-1/2
61399	54287	61624	1-1/2
61624	54490	61849	1-1/2
61849	54693	62074	1-1/2
62074	54896	62299	1-1/2
62299	55099	62524	1-1/2
62524	55302	6	