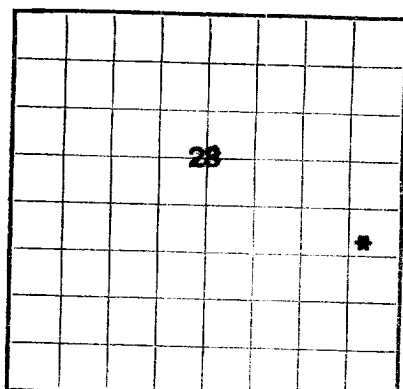




LOCATE WELL CORRECTLY

U. S. LAND OFFICE

SERIAL NUMBER **LC 057210**

LEASE OR PERMIT TO PROSPECT

RECEIVED UNITED STATES
DEC 1 1961 DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

RECEIVED

DEC 12 1961

O. C. C.
ARTESIA, OFFICE

LOG OF OIL OR GAS WELL

Company **Pan American Petroleum Corporation** Address **Box 68 - Hobbs, New Mexico**
Lessor or Tract **USA Balish "B"** Field **Undesignated** State **New Mexico**
Well No. **1** Sec. **28** T. **17R** R. **32E** Meridian **NMPM** County **Lea**
Location **2120** ft. **[N.]** of **S** Line and **519** ft. **[E.]** of **E** Line of **Sec 28** Elevation **3992 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 **V. E. STALEY** Original Signed by:Date **December 5, 1961**Title **Area Superintendent**

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

Commenced drilling **8-8-**, 19 **61** Finished drilling **10-14**, 19 **61**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **8840** to **8886'** 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	From—	To—	Purpose
13 3/8	35.6	5	8-10	155	155	155	8840	8886	155
8 5/8	23.2	4	8-10	155	155	155	8840	8886	155
4 1/2	9.5	11.6	8-10	155	155	155	8840	8886	155

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
13 3/8	360	Circ	Pump Plug		
8 5/8	4576	1800	Pump Plug		
4 1/2	9180	350	Pump Plug		

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
15,000	gal 15% LSTHE acid.					

TOOLS USED

Rotary tools were used from **0** feet to **9680** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Completed **11-19**, 19 **61** Put to producing **11-1**, 19 _____

The production for the first 24 hours was **39** barrels of fluid of which **62** % was oil; _____ % emulsion; **38** % 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

W. H. Rodgers, Driller **A. E. Mize**, Driller
R. L. McNew, Driller **Earl Goodman**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	653	653	Red Bed
653	1494	841	Red Bed - Shells - Shale
1494	1792	298	Red Bed - Shells - Salt
1792	1822	30	Red Bed - Salt
1822	2092	270	Salt - Shells - Anhy
2092	2243	151	Anhy - Salt Stimas
2243	2386	143	Anhy
2386	2994	608	<u>Tops by E Logs</u>
2994	3115	121	Anhy - Gyp Glerieta 5450'
3115	3387	272	Anhy - Lime Drinkard 6460'
3387	3462	75	Anhy Abo 7698'
3462	3719	257	Anhy - Gyp Wolfcamp 9298'
3719	3766	47	Anhy
3766	3792	26	Lime
3792	4885	1093	Dolo
4885	5380	495	Lime
5380	5462	82	Lime - Chert
5462	5945	483	Lime
5945	6048	103	Lime - Chert
6048	6171	123	Lime - Chert
6171	6294	123	Lime - Chert
6294	6417	123	Lime - Chert
6417	6540	123	Lime - Chert
6540	6663	123	Lime - Chert
6663	6786	123	Lime - Chert
6786	6909	123	Lime - Chert
6909	7032	123	Lime - Chert
7032	7155	123	Lime - Chert
7155	7278	123	Lime - Chert
7278	7401	123	Lime - Chert
7401	7524	123	Lime - Chert
7524	7647	123	Lime - Chert
7647	7770	123	Lime - Chert
7770	7893	123	Lime - Chert
7893	8016	123	Lime - Chert
8016	8139	123	Lime - Chert
8139	8262	123	Lime - Chert
8262	8385	123	Lime - Chert
8385	8508	123	Lime - Chert
8508	8631	123	Lime - Chert
8631	8754	123	Lime - Chert
8754	8877	123	Lime - Chert
8877	9000	123	Lime - Chert
9000	9123	123	Lime - Chert
9123	9246	123	Lime - Chert
9246	9369	123	Lime - Chert
9369	9492	123	Lime - Chert
9492	9615	123	Lime - Chert
9615	9738	123	Lime - Chert
9738	9861	123	Lime - Chert
9861	9984	123	Lime - Chert
9984	10107	123	Lime - Chert
10107	10230	123	Lime - Chert
10230	10353	123	Lime - Chert
10353	10476	123	Lime - Chert
10476	10599	123	Lime - Chert
10599	10722	123	Lime - Chert
10722	10845	123	Lime - Chert
10845	10968	123	Lime - Chert
10968	11091	123	Lime - Chert
11091	11214	123	Lime - Chert
11214	11337	123	Lime - Chert
11337	11460	123	Lime - Chert
11460	11583	123	Lime - Chert
11583	11706	123	Lime - Chert
11706	11829	123	Lime - Chert
11829	11952	123	Lime - Chert
11952	12075	123	Lime - Chert
12075	12198	123	Lime - Chert
12198	12321	123	Lime - Chert
12321	12444	123	Lime - Chert
12444	12567	123	Lime - Chert
12567	12690	123	Lime - Chert
12690	12813	123	Lime - Chert
12813	12936	123	Lime - Chert
12936	13059	123	Lime - Chert
13059	13182	123	Lime - Chert
13182	13305	123	Lime - Chert
13305	13428	123	Lime - Chert
13428	13551	123	Lime - Chert
13551	13674	123	Lime - Chert
13674	13797	123	Lime - Chert
13797	13920	123	Lime - Chert
13920	14043	123	Lime - Chert
14043	14166	123	Lime - Chert
14166	14289	123	Lime - Chert
14289	14412	123	Lime - Chert
14412	14535	123	Lime - Chert
14535	14658	123	Lime - Chert
14658	14781	123	Lime - Chert
14781	14904	123	Lime - Chert
14904	15027	123	Lime - Chert
15027	15150	123	Lime - Chert
15150	15273	123	Lime - Chert
15273	15396	123	Lime - Chert
15396	15519	123	Lime - Chert
15519	15642	123	Lime - Chert
15642	15765	123	Lime - Chert
15765	15888	123	Lime - Chert
15888	16011	123	Lime - Chert
16011	16134	123	Lime - Chert
16134	16257	123	Lime - Chert
16257	16380	123	Lime - Chert
16380	16503	123	Lime - Chert
16503	16626	123	Lime - Chert
16626	16749	123	Lime - Chert
16749	16872	123	Lime - Chert
16872	16995	123	Lime - Chert
16995	17118	123	Lime - Chert
17118	17241	123	Lime - Chert
17241	17364	123	Lime - Chert
17364	17487	123	Lime - Chert
17487	17610	123	Lime - Chert
17610	17733	123	Lime - Chert
17733	17856	123	Lime - Chert
17856	17979	123	Lime - Chert
17979	18102	123	Lime - Chert
18102	18225	123	Lime - Chert
18225	18348	123	Lime - Chert
18348	18471	123	Lime - Chert
18471	18594	123	Lime - Chert
18594	18717	123	Lime - Chert
18717	18840	123	Lime - Chert
18840	18963	123	Lime - Chert
18963	19086	123	Lime - Chert
19086	19209	123	Lime - Chert
19209	19332	123	Lime - Chert
19332	19455	123	Lime - Chert
19455	19578	123	Lime - Chert
19578	19701	123	Lime - Chert
19701	19824	123	Lime - Chert
19824	19947	123	Lime - Chert
19947	20070	123	Lime - Chert
20070	20193	123	Lime - Chert
20193	20316	123	Lime - Chert
20316	20439	123	Lime - Chert
20439	20562	123	Lime - Chert
20562	20685	123	Lime - Chert
20685	20808	123	Lime - Chert
20808	20931	123	Lime - Chert
20931	21054	123	Lime - Chert
21054	21177	123	Lime - Chert
21177	21300	123	Lime - Chert
21300	21423	123	Lime - Chert
21423	21546	123	Lime - Chert
21546	21669	123	Lime - Chert
21669	21792	123	Lime - Chert
21792	21915	123	Lime - Chert
21915	22038	123	Lime - Chert
22038	22161	123	Lime - Chert
22161	22284	123	Lime - Chert
22284	22407	123	Lime - Chert
22407	22530	123	Lime - Chert
22530	22653	123	Lime - Chert
22653	22776	123	Lime - Chert
22776	22899	123	Lime - Chert
22899	23022	123	Lime - Chert
23022	23145	123	Lime - Chert
23145	23268	123	Lime - Chert
23268	23391	123	Lime - Chert
23391	23514	123	Lime - Chert
23514	23637	123	Lime - Chert
23637	23760	123	Lime - Chert
23760	23883	123	Lime - Chert
23883	24006	123	Lime - Chert
24006	24129	123	Lime - Chert
24129	24252	123	Lime - Chert
24252	24375	123	Lime - Chert
24375	24498	123	Lime - Chert
24498	24621	123	Lime - Chert
24621	24744	123	Lime - Chert
24744	24867	123	Lime - Chert
24867	24990	123	Lime - Chert
24990	25113	123	Lime - Chert
25113	25236	123	Lime - Chert
25236	25359	123	Lime - Chert
25359	25482	123	Lime - Chert
25482	25605	123	Lime - Chert
25605	25728	123	Lime - Chert
25728	25851	123	Lime - Chert
25851	25974	123	Lime - Chert
25974	26097	123	Lime - Chert
26097	26220	123	Lime - Chert
26220	26343	123	Lime - Chert
26343	26466	123	Lime - Chert
26466	26589	123	Lime - Chert
26589	26712	123	Lime - Chert
26712	26835	123	Lime - Chert
26835	26958	123	Lime - Chert
26958	27081	123	Lime - Chert
27081	27204	123	Lime - Chert
27204	27327	123	Lime - Chert
27327	27450	123	Lime - Chert
27450	27573	123	Lime - Chert
27573	27696	123	Lime - Chert
27696	27819	123	Lime - Chert
27819	27942	123	Lime - Chert
27942	28065	123	Lime - Chert
28065	28188	123	Lime - Chert
28188	28311	123	Lime - Chert
28311	28434	123	Lime - Chert
28434	28557	123	Lime - Chert
28557	28680	123	Lime - Chert
28680	28803	123	Lime - Chert
28803	28926	123	Lime - Chert
28926	29049	123	Lime - Chert
29049	29172	123	Lime - Chert
29172	29295	123	Lime - Chert
29295	29418	123	Lime - Chert
29418	29541	123	Lime - Chert
29541	29664	123	Lime - Chert
29664	29787	123	Lime - Chert
29787	29910	123	Lime - Chert
29910	30033	123	Lime - Chert
30033	30156	123	Lime - Chert
30156	30279	123	Lime - Chert
30279	30402	123	Lime - Chert
30402	30525	123	Lime - Chert
30525	30648	123	Lime - Chert
30648	30771	123	Lime - Chert
30771	30894	123	Lime - Chert
30894	31017	123	Lime - Chert
31017	31140	123	Lime - Chert
31140	31263	123	Lime - Chert
31263	31386	123	Lime - Chert
31386	31509	123	Lime - Chert
31509	31632	123	Lime - Chert
31632	31755	123	Lime - Chert
31755	31878	123	Lime - Chert
31878	32001	123	Lime - Chert
32001	32124	123	Lime - Chert
32124	32247	123	Lime - Chert
32247	32370	123	Lime - Chert
32370	32493	123	Lime - Chert
32493	32616	123	Lime - Chert
32616	32739	123	Lime - Chert
32739	32862	123	Lime - Chert
32862	32985	123	Lime - Chert
32985	33108	123	Lime - Chert
33108	33231	123	Lime - Chert
33231	33354	123	Lime - Chert
33354	33477	123	Lime - Chert
33477	33600	123	Lime - Chert
33600	33723	123	Lime - Chert
33723	33846	123	Lime - Chert
33846	33969	123	Lime - Chert
33969	34092	123	Lime - Chert
34092	34215	123	Lime - Chert
34215	34338	123	Lime - Chert
34338	34461	123	Lime - Chert
34461	34584	123	Lime - Chert
34584	34707	123	Lime - Chert
34707	34830	123	Lime - Chert
34830	34953	123	Lime - Chert
34953	35076	123	Lime - Chert
35076	35199	123	Lime - Chert
35199	35322	123	Lime - Chert
35322	35445	123	Lime - Chert
35445	35568	123	Lime - Chert
35568	35691	123	Lime - Chert
35691	35814	123	Lime - Chert
35814	35937	123	Lime - Chert
35937	36060	123	Lime - Chert
36060	36183	123	Lime - Chert
36183	36306	123	Lime - Chert
36306	36429	123	Lime - Chert
36429	36552	123	Lime - Chert
36552	36675	123	Lime - Chert
36675	36798	123	Lime - Chert
36798	36921	123	Lime - Chert
36921	37044	123	Lime - Chert
37044	37167	123	Lime - Chert
37167	37290	123	Lime - Chert
37290	37413	123	Lime - Chert
37413	37536	123	Lime - Chert
37536	37659	123	Lime - Chert
37659	37782	123	Lime - Chert
37782	37905	123	Lime - Chert
37905	38028	123	Lime - Chert
38028	38151	123	Lime - Chert
38151	38274	123	Lime - Chert
38274	38397	123	Lime - Chert
38397	38520	123	Lime - Chert
38520	38643	123	Lime - Chert
38643	38766	123	Lime - Chert
38766	38889	123	Lime - Chert
38889	39012	123	Lime - Chert
39012	39135	123	Lime - Chert
39135	39258	123	Lime - Chert
39258	39381	123	Lime - Chert
39381	39504	123	Lime - Chert
39504	39627	123	Lime - Chert
39627	39750	123	Lime - Chert
39750	39873	123	Lime - Chert
39873	39996	123	Lime - Chert
39996	40119	123	Lime - Chert
40119	40242	123	Lime - Chert
40242	40365	123	Lime - Chert
40365	40488	123	Lime - Chert
40488	40611	123	Lime - Chert
40611	40734	123	Lime - Chert
40734	40857	123	Lime - Chert
40857	40980	123	Lime - Chert
40980	41103		

FORMATION RECORD—Continued

DEPTH	FORMATION	TOTAL FEET	DESCRIPTION
7900	Shale	62	Shale - Shale
8000	Shale	130	Shale - Shale
9000	Shale	100	Shale - Shale
9500	Shale	100	Shale - Shale
9600	Shale	100	Shale - Shale
9700	Shale	100	Shale - Shale
9800	Shale	100	Shale - Shale
9900	Shale	100	Shale - Shale
10000	Shale	100	Shale - Shale
10100	Shale	100	Shale - Shale
10200	Shale	100	Shale - Shale
10300	Shale	100	Shale - Shale
10400	Shale	100	Shale - Shale
10500	Shale	100	Shale - Shale
10600	Shale	100	Shale - Shale
10700	Shale	100	Shale - Shale
10800	Shale	100	Shale - Shale
10900	Shale	100	Shale - Shale
11000	Shale	100	Shale - Shale
11100	Shale	100	Shale - Shale
11200	Shale	100	Shale - Shale
11300	Shale	100	Shale - Shale
11400	Shale	100	Shale - Shale
11500	Shale	100	Shale - Shale
11600	Shale	100	Shale - Shale
11700	Shale	100	Shale - Shale
11800	Shale	100	Shale - Shale
11900	Shale	100	Shale - Shale
12000	Shale	100	Shale - Shale

FORMATION RECORD

12100	Shale	100	Shale - Shale
12200	Shale	100	Shale - Shale
12300	Shale	100	Shale - Shale
12400	Shale	100	Shale - Shale
12500	Shale	100	Shale - Shale
12600	Shale	100	Shale - Shale
12700	Shale	100	Shale - Shale
12800	Shale	100	Shale - Shale
12900	Shale	100	Shale - Shale
13000	Shale	100	Shale - Shale
13100	Shale	100	Shale - Shale
13200	Shale	100	Shale - Shale
13300	Shale	100	Shale - Shale
13400	Shale	100	Shale - Shale
13500	Shale	100	Shale - Shale
13600	Shale	100	Shale - Shale
13700	Shale	100	Shale - Shale
13800	Shale	100	Shale - Shale
13900	Shale	100	Shale - Shale
14000	Shale	100	Shale - Shale
14100	Shale	100	Shale - Shale
14200	Shale	100	Shale - Shale
14300	Shale	100	Shale - Shale
14400	Shale	100	Shale - Shale
14500	Shale	100	Shale - Shale
14600	Shale	100	Shale - Shale
14700	Shale	100	Shale - Shale
14800	Shale	100	Shale - Shale
14900	Shale	100	Shale - Shale
15000	Shale	100	Shale - Shale

SHOOTING RECORD

15100	Shale	100	Shale - Shale
15200	Shale	100	Shale - Shale
15300	Shale	100	Shale - Shale
15400	Shale	100	Shale - Shale
15500	Shale	100	Shale - Shale
15600	Shale	100	Shale - Shale
15700	Shale	100	Shale - Shale
15800	Shale	100	Shale - Shale
15900	Shale	100	Shale - Shale
16000	Shale	100	Shale - Shale
16100	Shale	100	Shale - Shale
16200	Shale	100	Shale - Shale
16300	Shale	100	Shale - Shale
16400	Shale	100	Shale - Shale
16500	Shale	100	Shale - Shale
16600	Shale	100	Shale - Shale
16700	Shale	100	Shale - Shale
16800	Shale	100	Shale - Shale
16900	Shale	100	Shale - Shale
17000	Shale	100	Shale - Shale

MUDGING AND CEMENTING RECORD

17100	Shale	100	Shale - Shale
17200	Shale	100	Shale - Shale
17300	Shale	100	Shale - Shale
17400	Shale	100	Shale - Shale
17500	Shale	100	Shale - Shale
17600	Shale	100	Shale - Shale
17700	Shale	100	Shale - Shale
17800	Shale	100	Shale - Shale
17900	Shale	100	Shale - Shale
18000	Shale	100	Shale - Shale

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 re-drilling, 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 "added" 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 testing.

Well completed 11-19-61 as a pumping oil well on P1 pumped 24.80 m 15 BW

in 24 hours. TD 9680' - PBD 9030'. T pay 8840, COR (NA) CGR 42°.

IMPORTANT WATER SANDS

18100	Shale	100	Shale - Shale
18200	Shale	100	Shale - Shale
18300	Shale	100	Shale - Shale
18400	Shale	100	Shale - Shale
18500	Shale	100	Shale - Shale
18600	Shale	100	Shale - Shale
18700	Shale	100	Shale - Shale
18800	Shale	100	Shale - Shale
18900	Shale	100	Shale - Shale
19000	Shale	100	Shale - Shale

OIL OR GAS SANDS OR ZONES

19100	Shale	100	Shale - Shale
19200	Shale	100	Shale - Shale
19300	Shale	100	Shale - Shale
19400	Shale	100	Shale - Shale
19500	Shale	100	Shale - Shale
19600	Shale	100	Shale - Shale
19700	Shale	100	Shale - Shale
19800	Shale	100	Shale - Shale
19900	Shale	100	Shale - Shale
20000	Shale	100	Shale - Shale

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

11-19-61

11-19-61

Signed _____

so far as can be determined from all available records.

The information given hereon is a complete and correct record of the well and all work done thereon.

Location _____ of the _____ and _____ of the _____ of _____

Well No. _____ of _____ of _____ of _____ of _____

Reason for drilling _____ well _____

Company _____

FOOTAGE LEFT CORRECTLY

20100	Shale	100	Shale - Shale
20200	Shale	100	Shale - Shale
20300	Shale	100	Shale - Shale
20400	Shale	100	Shale - Shale
20500	Shale	100	Shale - Shale
20600	Shale	100	Shale - Shale
20700	Shale	100	Shale - Shale
20800	Shale	100	Shale - Shale
20900	Shale	100	Shale - Shale
21000	Shale	100	Shale - Shale

LOG OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE
16-42004-2
GEOLOGICAL SURVEY
DEPARTMENT OF THE INTERIOR
UNITED STATES

LOG OF OIL OR GAS WELL
NO. _____