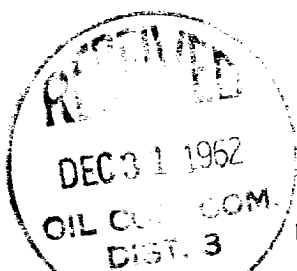


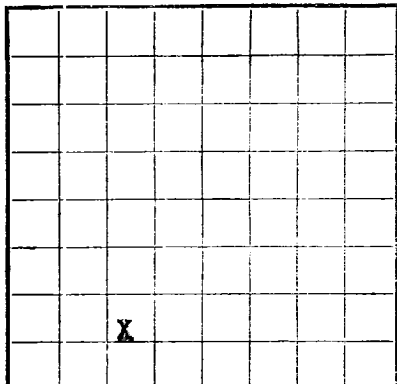
U. S. LAND OFFICE **Jicarilla Tribal**

SERIAL NUMBER

LEASE OR PERMIT TO PROSPECT



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company **Pan American Petroleum Corporation** Address **Box 480, Farmington, New Mexico**
Lessor or Tract **Jicarilla Contract 148** Field **Otero Chacra** State **New Mexico**
Well No. **15** Sec. **15** T. **25N** R. **5W** Meridian **N.M.P.M.** County **Rio Arriba**
Location **114.5** ft. **N.** of **3** Line and **1850** ft. **E.** of **W.** Line of **Section 15** Elevation **6840**
(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

Date **December 26, 1962** Title **Petroleum Engineer**

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

Commenced drilling **November 23,** 19**62** Finished drilling **December 1**, 19**62**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **3890** to **3894** No. 4, from to
No. 2, from **3899** to **3903** 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"	21.2	8	3	135	Plug				Plug
4-1/2"	9.5	8	3	300	Plug				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"	212	135	1 Plug Halliburton		
4-1/2"	400	300	2 Plug Halliburton		

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 **0** feet to **400** feet, and from feet to feet
Cable tools were used from feet to feet, and from feet to feet

DATES

December 20, 19**62** Completed as shut in gas well
Put to producing **December 20**, 19**62**

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

If gas well, **1100** cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. **790 (GFC)**

EMPLOYEES

L. C. Davis, Driller **Jack Bryant**, Driller
Jackie White, Driller **Pete Estes**, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2434	2434	Surface Sand and Shale
2434	2630	196	Ojo-Alamo Sand
2630	2990	360	Kirtland-Fruitland Shale and Sand
2990	3072	82	Pictured Cliffs Sand
3072	3884	812	Lewis Shale
3884	3920	36	Chacra Sand
3920	4004	84	Lewis Sand and Shale

(OVER)

LOG OF OIL OR GAS WELL

LOVE IT, WE'LL CORRECT IT.

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

Date: _____

by edgar allan poe

No. 1 from	to	No. 1 from	to
No. 2 from	to	No. 2 from	to
No. 3 from	to	No. 3 from	to
No. 4 from	to	No. 4 from	to
No. 5 from	to	No. 5 from	to
No. 6 from	to	No. 6 from	to
No. 7 from	to	No. 7 from	to
No. 8 from	to	No. 8 from	to
No. 9 from	to	No. 9 from	to
No. 10 from	to	No. 10 from	to

Year	From	To	Year	From	To
1960	1960	1961	1960	1960	1961
1961	1961	1962	1961	1961	1962
1962	1962	1963	1962	1962	1963
1963	1963	1964	1963	1963	1964
1964	1964	1965	1964	1964	1965
1965	1965	1966	1965	1965	1966
1966	1966	1967	1966	1966	1967
1967	1967	1968	1967	1967	1968
1968	1968	1969	1968	1968	1969
1969	1969	1970	1969	1969	1970
1970	1970	1971	1970	1970	1971
1971	1971	1972	1971	1971	1972
1972	1972	1973	1972	1972	1973
1973	1973	1974	1973	1973	1974
1974	1974	1975	1974	1974	1975
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2014	2014	2015	2014	2014	2015
2015	2015	2016	2015	2015	2016
2016	2016	2017	2016	2016	2017
2017	2017	2018	2017	2017	2018
2018	2018	2019	2018	2018	2019
2019	2019	2020	2019	2019	2020
2020					

[illegible]

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 "underlacked" or left in the well, give the 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.

U. S. GOVERNMENT PRINTING OFFICE 16-43084-2

DATE SENT TO BUREAU.	REPLY SENT	RECEIVED FROM	NUMBER OF CASES	REPORT OF	REMARKS
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MSIAM 3-107

Heaving plug—Material	Length	Depth set
Adapters—Material		

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
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Rotary tools were used from	feet to	feet and from	feet to
Chisel tools were used from	feet to	feet and from	feet to

19-10-1968

Rock pressure, lbs. per sq. ft.	
If gas well, cu. ft. per 24 hours	
Composition: % water; and % sediment	
The production for the month was as follows:	
Oil - of kind of which _____ was oil; _____	
Grossly "_____"	
Gallons gasoline per 1000 cu. ft. of gas	

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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DATE	DESCRIPTION	AMOUNT	BALANCE
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2066	...		

TOTAL FEET

—D.L.

FROM—