

U. S. LAND OFFICE ~~Jicarilla~~ Contract

SERIAL NUMBER No. 146

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 480, Farmington, New Mexico
Lessor or Tract Jicarilla Contract 146 Field Otero Chacra State New Mexico
Well No. 14 Sec. 9 T. 25N R. 5W Meridian N.M.P.M. County Rio Arriba
Location 153 (N) 153

Location 1591 ft. ~~xxx~~ of N. Line and 1594 ~~xxx~~ of E. Line of Section 9 Elevation 6761 (RDB)

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 September 12, 1961 Signed R. M. Bauer, Jr.
Title Senior Petroleum Engineer

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

Commenced drilling August 10, 1961 Finished drilling September 5, 1961

1961

No. 1, from 3031 to 3035. No. 2, from 3036 to 3040. No. 3, from 3041 to 3045. No. 4, from 3046 to 3050.

No. 3, from 1843 to 1850

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 2, from _____

No. 2, from _____ to _____

Size	Weight	Threads per	Make	Amount	Kind of shoe	Cut and pulled from	Perforated
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	From—	To—	Sub Page
9-20-68 4.55	CHT	CHT	1995.b
			Guide

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MUDDING AND CEMENTING RECORD				
Size of hole 7 1/8"	175 set	Number sacks of cement 12 1/2	Water used 1 1/2 gal	Amount of cement 150 lbs

1/2"	3978'	300	Halliburton	2 plug	Amount of mud used
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PLUGS AND ADAPTERS
 Leaving plug—Material _____ Length _____ Depth set _____
 Entering plug—Material _____ Length _____ Depth set _____

Shooting Record

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

any tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet.

Label was placed from Otaro Chacra feet to _____ feet and from _____ feet to _____ feet
 and Gas well September 5 61 Shut in waiting on pipe line connection
 DATES

....., 19.....

The production for the first 24 hours was _____

Put to producing _____, 19.....

Water; and _____ % sediment.
Gravity, °Bé. _____

Gas well, cu. ft. per 24 hours **875 (sic)** Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

Leon Vestal
Jerry L. Dooley, Driller

EMPLOYEES

Stilke Priddy
R. D. Priddy

_____, Driller

_____, Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION

0	2940	2940	Undifferentiated sands and shales.
0	3030	3030	

3020	80	Pictured Cliffs sands and shales.
3825	805	Lower shale.

5	3978	153	Chacra pay sand.
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(Tops from "E" log)

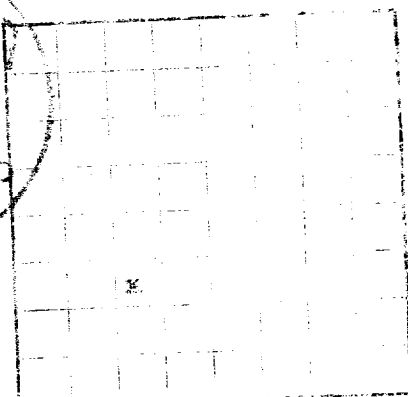
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	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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[OVER]

16-48094-4

LOG OF OIL OR GAS WELL



COPIES OF THE REPORT

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set 4-1/2" casing at 3976' with 200 sacks 6 percent gel cement containing 1-1/2
cups water per sack followed by 100 sacks of neat cement. Tested 4-1/2"
casing with 3000 psi for 15 minutes, which held with no indication of pressure drop.
No flow.

Added 12-1/4" hole on August 10, 1961. Set 4 1/2" casing at 175' with 120 sacks cement containing 2 percent Calcium Chloride. Circulated 10 sacks of cement. Tested -9/8" casing with 300 psi, which held with no indication of pressure drop. Reduced hole to 10 1/2" at 175'.

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 "backchecked" 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

16-48094-2 U. S. GOVERNMENT PRINTING OFFICE

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