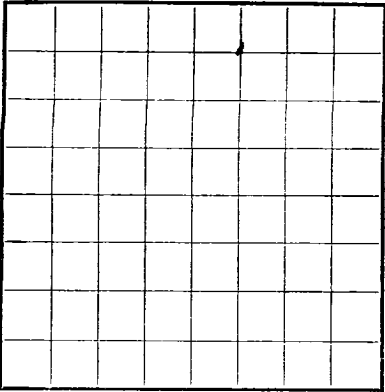


U. S. LAND OFFICE Albuquerque, N.M.
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____
14-20-60-75

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Company The Atlantic Refining Co. Address Box 520, El Paso, Wyoming
Lessor or Tract Cribal (Navajo) Field Korsosaba Valley State New Mexico
Well No. 9 Sec. 30 T. 11N R. 15W Meridian 100W County San Juan
Location 160 ft. N of 1/4 Line and 1000 ft. E of 1/4 Line of sec. 30 Elevation 5539 ft.
(Surveyor's 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 11-14-58 Title Patriot Clark

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

Commenced drilling 11-1-58, 19____ Finished drilling 11-1-58, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1200 to 1297 No. 4, from _____ to _____
No. 2, from 1399 to 1403 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—	
<u>8 5/8</u>	<u>34</u>	<u>8</u>	<u>Big Mill</u>	<u>24.07</u>					<u>Surf 00</u>
<u>5 1/2</u>	<u>14</u>	<u>8</u>	<u>National</u>	<u>1438.72</u>	<u>Larkin</u>		<u>(120)</u>	<u>1297</u>	<u>Oil Striking</u>
						<u>2 3/4/70</u>	<u>(1399)</u>	<u>1403</u>	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
<u>8 5/8</u>	<u>1024.07</u>	<u>125</u>	<u>pump-plus</u>	<u>11.0</u>	
<u>5 1/2</u>	<u>1406.72</u>	<u>145</u>	<u>pump-plus</u>	<u>8.3</u>	

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 1454 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

11-14-, 1958 Put to producing 11-14-, 1958

The production for the first 24 hours was 124.1 barrels of fluid of which 11.1% was oil; _____% emulsion; _____% water; and _____% sediment. Gravity, °Bé. 61.0

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
<u>0</u>	<u>1208</u>		<u>Kaneba</u>
<u>1208</u>	<u>1403</u>		<u>Talop</u>
<u>1403</u>			<u>Juana Lopez</u>
<u>First Fracture treatment</u>			
<u>Created perforations 1399-1403 with 12,000 gals 10/20 sand and 1,000 1-20 sand. Average treating pressure 1150 at 57.5 BPM</u>			
<u>Second Fracture treatment</u>			
<u>Created perforations 1269-1297 with 10,000 gals 10/20 sand and 12,000 10/20 sand. Average treating pressure 1150 at 59.3 BPM</u>			

[illegible]

SECRET

^a Values are means ± SD.

100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0%

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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 pings 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

U. S. GOVERNMENT PRINTING OFFICE 16-43094-2

DATE	DESCRIPTION	AMOUNT	CHECK NO.	BANK
1/1/19	Initial deposit	100.00		Bank of America
1/15/19	Payment received from client	50.00	101	Bank of America
2/1/19	Payment received from client	75.00	102	Bank of America
2/15/19	Payment received from client	125.00	103	Bank of America
3/1/19	Payment received from client	150.00	104	Bank of America
3/15/19	Payment received from client	175.00	105	Bank of America
4/1/19	Payment received from client	200.00	106	Bank of America
4/15/19	Payment received from client	225.00	107	Bank of America
5/1/19	Payment received from client	250.00	108	Bank of America
5/15/19	Payment received from client	275.00	109	Bank of America
6/1/19	Payment received from client	300.00	110	Bank of America
6/15/19	Payment received from client	325.00	111	Bank of America
7/1/19	Payment received from client	350.00	112	Bank of America
7/15/19	Payment received from client	375.00	113	Bank of America
8/1/19	Payment received from client	400.00	114	Bank of America
8/15/19	Payment received from client	425.00	115	Bank of America
9/1/19	Payment received from client	450.00	116	Bank of America
9/15/19	Payment received from client	475.00	117	Bank of America
10/1/19	Payment received from client	500.00	118	Bank of America
10/15/19	Payment received from client	525.00	119	Bank of America
11/1/19	Payment received from client	550.00	120	Bank of America
11/15/19	Payment received from client	575.00	121	Bank of America
12/1/19	Payment received from client	600.00	122	Bank of America
12/15/19	Payment received from client	625.00	123	Bank of America
1/1/20	Payment received from client	650.00	124	Bank of America
1/15/20	Payment received from client	675.00	125	Bank of America
2/1/20	Payment received from client	700.00	126	Bank of America
2/15/20	Payment received from client	725.00	127	Bank of America
3/1/20	Payment received from client	750.00	128	Bank of America
3/15/20	Payment received from client	775.00	129	Bank of America
4/1/20	Payment received from client	800.00	130	Bank of America
4/15/20	Payment received from client	825.00	131	Bank of America
5/1/20	Payment received from client	850.00	132	Bank of America
5/15/20	Payment received from client	875.00	133	Bank of America
6/1/20	Payment received from client	900.00	134	Bank of America
6/15/20	Payment received from client	925.00	135	Bank of America
7/1/20	Payment received from client	950.00	136	Bank of America
7/15/20	Payment received from client	975.00	137	Bank of America
8/1/20	Payment received from client	1000.00	138	Bank of America
8/15/20	Payment received from client	1025.00	139	Bank of America
9/1/20	Payment received from client	1050.00	140	Bank of America
9/15/20	Payment received from client	1075.00	141	Bank of America
10/1/20	Payment received from client	1100.00	142	Bank of America
10/15/20	Payment received from client	1125.00	143	Bank of America
11/1/20	Payment received from client	1150.00	144	Bank of America
11/15/20	Payment received from client	1175.00	145	Bank of America
12/1/20	Payment received from client	1200.00	146	Bank of America
12/15/20	Payment received from client	1225.00	147	Bank of America
1/1/21	Payment received from client	1250.00	148	Bank of America
1/15/21	Payment received from client	1275.00	149	Bank of America
2/1/21	Payment received from client	1300.00	150	Bank of America
2/15/21	Payment received from client	1325.00	151	Bank of America
3/1/21	Payment received from client	1350.00	152	Bank of America
3/15/21	Payment received from client	1375.00	153	Bank of America
4/1/21	Payment received from client	1400.00	154	Bank of America
4/15/21	Payment received from client	1425.00	155	Bank of America
5/1/21	Payment received from client	1450.00	156	Bank of America
5/15/21	Payment received from client	1475.00	157	Bank of America
6/1/21	Payment received from client	1500.00	158	Bank of America
6/15/21	Payment received from client	1525.00	159	Bank of America
7/1/21	Payment received from client	1550.00	160	Bank of America
7/15/21	Payment received from client	1575.00	161	Bank of America
8/1/21	Payment received from client	1600.00	162	Bank of America
8/15/21	Payment received from client	1625.00	163	Bank of America
9/1/21	Payment received from client	1650.00	164	Bank of America
9/15/21	Payment received from client	1675.00	165	Bank of America
10/1/21	Payment received from client	1700.00	166	Bank of America
10/15/21	Payment received from client	1725.00	167	Bank of America
11/1/21	Payment received from client	1750.00	168	Bank of America
11/15/21	Payment received from client	1775.00	169	Bank of America
12/1/21	Payment received from client	1800.00	170	Bank of America
12/15/21	Payment received from client	1825.00	171	Bank of America
1/1/22	Payment received from client	1850.00	172	Bank of America
1/15/22	Payment received from client	1875.00	173	Bank of America
2/1/22	Payment received from client	1900.00	174	Bank of America
2/15/22	Payment received from client	1925.00	175	Bank of America
3/1/22	Payment received from client	1950.00	176	Bank of America
3/15/22	Payment received from client	1975.00	177	Bank of America
4/1/22	Payment received from client	2000.00	178	Bank of America
4/15/22	Payment received from client	2025.00	179	Bank of America
5/1/22	Payment received from client	2050.00	180	Bank of America
5/15/22	Payment received from client	2075.00	181	Bank of America
6/1/22	Payment received from client	2100.00	182	Bank of America
6/15/22	Payment received from client	2125.00	183	Bank of America
7/1/22	Payment received from client	2150.00	184	Bank of America
7/15/22	Payment received from client	2175.00	185	Bank of America
8/1/22	Payment received from client	2200.00	186	Bank of America
8/15/22	Payment received from client	2225.00	187	Bank of America
9/1/22	Payment received from client	2250.00	188	Bank of America
9/15/22	Payment received from client	2275.00	189	Bank of America
10/1/22	Payment received from client	2300.00	190	Bank of America
10/15/22	Payment received from client	2325.00	191	Bank of America
11/1/22	Payment received from client	2350.00	192	Bank of America
11/15/22	Payment received from client	2375.00	193	Bank of America
12/1/22	Payment received from client	2400.00	194	Bank of America
12/15/22	Payment received from client	2425.00	195	Bank of America
1/1/23	Payment received from client	2450.00	196	Bank of America
1/15/23	Payment received from client	2475.00	197	Bank of America
2/1/23	Payment received from client	2500.00	198	Bank of America
2/15/23	Payment received from client	2525.00	199	Bank of America
3/1/23	Payment received from client	2550.00	200	Bank of America
3/15/23	Payment received from client	2575.00	201	Bank of America
4/1/23	Payment received from client	2600.00	202	Bank of America
4/15/23	Payment received from client	2625.00	203	Bank of America
5/1/23	Payment received from client	2650.00	204	Bank of America
5/15/23	Payment received from client	2675.00	205	Bank of America
6/1/23	Payment received from client	2700.00	206	Bank of America
6/15/23	Payment received from client	2725.00	207	Bank of America
7/1/23	Payment received from client	2750.00	208	Bank of America
7/15/23	Payment received from client	2775.00	209	Bank of America
8/1/23	Payment received from client	2800.00	210	Bank of America
8/15/23	Payment received from client	2825.00	211	Bank of America
9/1/23	Payment received from client	2850.00	212	Bank of America
9/15/23	Payment received from client	2875.00	213	Bank of America
10/1/23	Payment received from client	2900.00	214	Bank of America
10/15/23	Payment received from client	2925.00	215	Bank of America
11/1/23	Payment received from client	2950.00	216	Bank of America
11/15/23	Payment received from client	2975.00	217	Bank of America
12/1/23	Payment received from client	3000.00	218	Bank of America
12/15/23	Payment received from client	3025.00	219	Bank of America
1/1/24	Payment received from client	3050.00	220	Bank of America
1/15/24	Payment received from client	3075.00	221	Bank of America
2/1/24	Payment received from client	3100.00	222	Bank of America
2/15/24	Payment received from client	3125.00	223	Bank of America
3/1/24	Payment received from client	3150.00	224	Bank of America
3/15/24	Payment received from client	3175.00	225	Bank of America
4/1/24	Payment received from client	3200.00	226	Bank of America
4/15/24	Payment received from client	3225.00	227	Bank of America
5/1/24	Payment received from client	3250.00	228	Bank of America
5/15/24	Payment received from client	3275.00	229	Bank of America
6/1/24	Payment received from client	3300.00	230	Bank of America
6/15/24	Payment received from client	3325.00	231	Bank of America
7/1/24	Payment received from client	3350.00	232	Bank of America
7/15/24	Payment received from client	3375.00	233	Bank of America
8/1/24	Payment received from client	3400.00	234	Bank of America
8/15/24	Payment received from client	3425.00	235	Bank of America
9/1/24	Payment received from client	3450.00	236	Bank of America
9/15/24	Payment received from client	3475.00	237	Bank of America
10/1/24	Payment received from client	3500.00	238	Bank of America
10/15/24	Payment received from client	3525.00	239	Bank of America
11/1/24	Payment received from client	3550.00	240	Bank of America
11/15/24	Payment received from client	3575.00	241	Bank of America
12/1/24	Payment received from client	3600.00	242	Bank of America
12/15/24	Payment received from client	3625.00	243	Bank of America
1/1/25	Payment received from client	3650.00	244	Bank of America
1/15/25	Payment received from client	3675.00	245	Bank of America
2/1/25	Payment received from client	3700.00	246	Bank of America
2/15/25	Payment received from client	3725.00	247	Bank of America
3/1/25	Payment received from client	3750.00	248	Bank of America
3/15/25	Payment received from client	3775.00	249	Bank of America
4/1/25	Payment received from client	3800.00	250	Bank of America
4/15/25	Payment received from client	3825.00	251	Bank of America
5/1/25	Payment received from client	3850.00	252	Bank of America
5/15/25	Payment received from client	3875.00	253	Bank of America
6/1/25	Payment received from client	3900.00	254	Bank of America
6/15/25	Payment received from client	3925.00	255	Bank of America
7/1/25	Payment received from client	3950.00	256	Bank of America
7/15/25	Payment received from client	3975.00	257	Bank of America
8/1/25	Payment received from client	4000.00	258	Bank of America
8/15/25	Payment received from client	4025.00	259	Bank of America
9/1/25	Payment received from client	4050.00	260	Bank of America
9/15/25	Payment received from client	4075.00	261	Bank of America
10/1/25	Payment received from client	4100.00	262	Bank of America
10/15/25	Payment received from client	4125.00	263	Bank of America
11/1/25	Payment received from client	4150.00	264	Bank of America
11/15/25	Payment received from client	4175.00	265	Bank of America
12/1/25	Payment received from client	4200.00	266	Bank of America
12/15/25	Payment received from client	4225.00	267	Bank of America
1/1/26	Payment received from client	4250.00	268	Bank of America
1/15/26	Payment received from client	4275.00	269	Bank of America
2/1/26	Payment received from client	4300.00	270	Bank of America
2/15/26	Payment received from client	4325.00	271	Bank of America
3/1/26	Payment received from client	4350.00	272	Bank of America
3/15/26	Payment received from client	4375.00	273	Bank of America
4/1/26	Payment received from client	4400.00	274	Bank of America
4/15/26	Payment received from client	4425.00	275	Bank of America
5/1/26	Payment received from client	4450.00	276	Bank of America
5/15/26	Payment received from client	4475.00	277	Bank of America
6/1/26	Payment received from client	4500.00	278	Bank of America
6/15/26	Payment received from client	4525.00	279	Bank of America
7/1/26	Payment received from client	4550.00	280	Bank of America
7/15/26	Payment received from client	4575.00	281	Bank of America
8/1/26	Payment received from client	4600.00	282	Bank of America
8/15/26	Payment received from client	4625.00	283	Bank of America
9/1/26	Payment received from client	4650.00	284	Bank of America
9/15/26	Payment received from client	4675.00	285	Bank of America
10/1/26	Payment received from client	4700.00	286	Bank of America
10/15/26	Payment received from client	4725.00	287	Bank of America
11/1/26	Payment received from client	4750.00	288	Bank of America
11/15/26	Payment received from client	4775.00	289	Bank of America
12/1/26	Payment received from client	4800.00	290	Bank of America
12/15/26	Payment received from client	4825.00	291	Bank of America
1/1/27	Payment received from client	4850.00	292	Bank of America
1/15/27	Payment received from client	4875.00	293	Bank of America
2/1/27	Payment received from client	4900.00	294	Bank of America
2/15/27	Payment received from client	4925.00	295	Bank of America
3/1/27	Payment received from client	4950.00	296	Bank of America
3/15/27	Payment received from client	4975.00	297	Bank of America
4/1/27	Payment received from client	5000.00	298	Bank of America
4/15/27	Payment received from client	5025.00	299	Bank of America
5/1/27	Payment received from client	5050.00	300	Bank of America
5/15/27	Payment received from client	5075.00	301	Bank of America
6/1/27	Payment received from client	5100.00	302	Bank of America
6/15/27	Payment received from client	5125.00	303	Bank of America
7/1/27	Payment received from client	5150.00	304	Bank of America
7/15/27	Payment received from client	5175.00	305	Bank of America
8/1/27	Payment received from client	5200.00	306	Bank of America
8/15/27	Payment received from client	5225.00	307	Bank of America
9/1/27	Payment received from client	5250.00	308	Bank of America
9/15/27	Payment received from client	5275.00	309	Bank of America
10/1/27	Payment received from client	5300.00	310	Bank of America
10/15/27	Payment received from client	5325.00	311	Bank of America
11/1/27	Payment received from client	5350.00	312	Bank of America
11/15/27	Payment received from client	5375.00	313	Bank of America
12/1/27	Payment received from client	5400.00	314	Bank of America
12/15/27	Payment received from client	5425.00	315	Bank of America
1/1/28	Payment received from client	5450.00	316	Bank of America
1/15/28	Payment received from client	5475.00	317	Bank of America
2/1/28	Payment received from client	5500.00	318	Bank of America
2/15/28	Payment received from client	5525.00	319	Bank of America
3/1/28	Payment received from client	5550.00	320	Bank of America
3/15/28	Payment received from client	5575.00	321	Bank of America
4/1/28	Payment received from client	5600.00	322	Bank of America
4/15/28	Payment received from client	5625.00	323	Bank of America
5/1/28	Payment received from client	5650.00	324	Bank of America
5/15/28	Payment received from client	5675.00	325	Bank of America
6/1/28	Payment received from client	5700.00	326	Bank of America
6/15/28	Payment received from client	5725.00	327	Bank of America
7/1/28	Payment received from client	5750.00	328	Bank of America
7/15/28	Payment received from client	5775.00	329	Bank of America
8/1/28	Payment received from client	5800.00	330	Bank of America
8/15/28	Payment received from client	5825.00	331	Bank of America
9/1/28	Payment received from client	5850.00	332	Bank of America
9/15/28	Payment received from client	5875.00	333	Bank of America
10/1/28	Payment received from client	5900.00	334	Bank of America