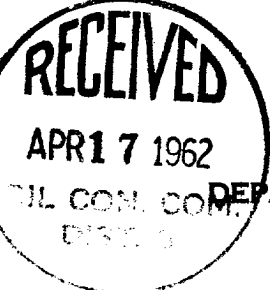


Form 9-330

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER SF 077652
LEASE OR PERMIT TO PROSPECT _____
Date _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company Union Oil Co. of California Address Drawer 10, Farmington, N.M.
Lessor or Tract Tract Field Basin State New Mexico
Well No. _____ Sec. 23 T. 31N R. 1W Meridian N.M.P.M. County San Juan
Location 12 ft. N. of 1 Line and 12 ft. E. of 1 Line of Section 23 Elevation 5250 C.T.
(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 ORIGINAL SIGNED BY JOE C. SALMON
JOE C. Salmon

Date April 12, 1962 Title District Superintendent

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

Commenced drilling 1/24/62, 19____ Finished drilling 3/23/62, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 1216 to 1226 (G) No. 4, from _____ to 1324 (G)
No. 2, from 1294 to 1314 (G) No. 5, from 1371 to 1376 (G)
No. 3, from 1323 to 1332 (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—	
8 5/8	24	5	J-L	1000	plug	plug of material	plug	plug	plug
4 1/2	11.5	8	J-L	2000	plug	plug of material	plug	plug	plug
2 1/2	9.5	8	J-L	500	plug	plug of material	plug	plug	plug
2 3/8	11.5	8	J-L	1000	plug	plug of material	plug	plug	plug

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8	321	23	displacement		
4 1/2	711	200	two plug		
2 3/8	728	--			

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
Semi-water flooded with 67,300 gals. water, 70,000# sand, Breakdown pr. 200, Avg. breaking pr. 2500, Avg. loss 19 bps, 5 min. shut-in p. 1100, pressure 1100, flow 120 bbls.						

TOOLS USED

Rotary tools were used from 0 feet to 7120 feet, and from 7120 feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing 3/26/62, 19____

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

If gas well, cu. ft. per 24 hours 1467

Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 1681

EMPLOYEES

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

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	125	125	sand and shale
125	467	342	shale
467	977	510	sand and shale
977	1000	23	sand
1000	1350	350	sand and shale
1350	1567	217	shale
1567	2127	560	sand and shale
2127	2780	653	shale
2780	3077	297	sand and shale
3077	3285	208	sand and shale
3285	3421	136	shale
3421	3729	308	sand and shale
3729	3903	174	sand and shale
3903	4038	135	shale
4038	4118	80	sand and shale
4118	4341	223	sand and shale
4341	4579	238	sand and shale
4579	4878	299	sand and shale
4878	5063	205	sand and shale
5063	5167	104	sand and shale
5167	5219	52	shale
5219	5320	101	shale
5320	5370	50	sand and shale

FORMATION RECORD—CONTINUED

1. Name of well, location, and owner.

2. Date of completion.

3. Name of driller.

4. Name of operator.

5. Name of engineer.

6. Name of geologist.

7. Name of chemist.

8. Name of electrician.

9. Name of pumpman.

10. Name of other personnel.

11. Description of well, including depth, diameter, and casing.

12. Description of formation, including name, thickness, and character.

13. Description of logs, including name, number, and location.

14. Description of tests, including name, date, and results.

15. Description of pumps, including name, number, and location.

16. Description of other equipment, including name, number, and location.

17. Description of other work, including name, date, and results.

18. Description of other notes, including name, date, and results.

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 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

FROM—	TO—	TOTAL FEET	FORMATION
5470	5470	100	shale
5470	5518	48	sand and shale
5470	5594	176	shale
5470	5628	134	sand and shale
5470	5675	147	shale
5470	5703	28	shale
5470	5731	28	sand and shale
5470	5759	28	shale
5470	5787	28	sand and shale
5470	5815	28	shale
5470	5843	28	sand and shale
5470	5871	28	shale
5470	5899	28	sand and shale
5470	5927	28	shale
5470	5955	28	sand and shale
5470	5983	28	shale
5470	6011	28	sand and shale
5470	6039	28	shale
5470	6067	28	sand and shale
5470	6095	28	shale
5470	6123	28	sand and shale
5470	6151	28	shale
5470	6179	28	sand and shale
5470	6207	28	shale
5470	6235	28	sand and shale
5470	6263	28	shale
5470	6291	28	sand and shale
5470	6319	28	shale
5470	6347	28	sand and shale
5470	6375	28	shale
5470	6403	28	sand and shale
5470	6431	28	shale
5470	6459	28	sand and shale
5470	6487	28	shale
5470	6515	28	sand and shale
5470	6543	28	shale
5470	6571	28	sand and shale
5470	6599	28	shale
5470	6627	28	sand and shale
5470	6655	28	shale
5470	6683	28	sand and shale
5470	6711	28	shale
5470	6739	28	sand and shale
5470	6767	28	shale
5470	6795	28	sand and shale
5470	6823	28	shale
5470	6851	28	sand and shale
5470	6879	28	shale
5470	6907	28	sand and shale
5470	6935	28	shale
5470	6963	28	sand and shale
5470	6991	28	shale
5470	7019	28	sand and shale
5470	7047	28	shale
5470	7075	28	sand and shale
5470	7103	28	shale
5470	7131	28	sand and shale
5470	7159	28	shale
5470	7187	28	sand and shale
5470	7215	28	shale
5470	7243	28	sand and shale
5470	7271	28	shale
5470	7299	28	sand and shale
5470	7327	28	shale
5470	7355	28	sand and shale
5470	7383	28	shale
5470	7411	28	sand and shale
5470	7439	28	shale
5470	7467	28	sand and shale
5470	7495	28	shale
5470	7523	28	sand and shale
5470	7551	28	shale
5470	7579	28	sand and shale
5470	7607	28	shale
5470	7635	28	sand and shale
5470	7663	28	shale
5470	7691	28	sand and shale
5470	7719	28	shale
5470	7747	28	sand and shale
5470	7775	28	shale
5470	7803	28	sand and shale
5470	7831	28	shale
5470	7859	28	sand and shale
5470	7887	28	shale
5470	7915	28	sand and shale
5470	7943	28	shale
5470	7971	28	sand and shale
5470	7999	28	shale
5470	8027	28	sand and shale
5470	8055	28	shale
5470	8083	28	sand and shale
5470	8111	28	shale
5470	8139	28	sand and shale
5470	8167	28	shale
5470	8195	28	sand and shale
5470	8223	28	shale
5470	8251	28	sand and shale
5470	8279	28	shale
5470	8307	28	sand and shale
5470	8335	28	shale
5470	8363	28	sand and shale
5470	8391	28	shale
5470	8419	28	sand and shale
5470	8447	28	shale
5470	8475	28	sand and shale
5470	8503	28	shale
5470	8531	28	sand and shale
5470	8559	28	shale
5470	8587	28	sand and shale
5470	8615	28	shale
5470	8643	28	sand and shale
5470	8671	28	shale
5470	8699	28	sand and shale
5470	8727	28	shale
5470	8755	28	sand and shale
5470	8783	28	shale
5470	8811	28	sand and shale
5470	8839	28	shale
5470	8867	28	sand and shale
5470	8895	28	shale
5470	8923	28	sand and shale
5470	8951	28	shale
5470	8979	28	sand and shale
5470	9007	28	shale
5470	9035	28	sand and shale
5470	9063	28	shale
5470	9091	28	sand and shale
5470	9119	28	shale
5470	9147	28	sand and shale
5470	9175	28	shale
5470	9203	28	sand and shale
5470	9231	28	shale
5470	9259	28	sand and shale
5470	9287	28	shale
5470	9315	28	sand and shale
5470	9343	28	shale
5470	9371	28	sand and shale
5470	9399	28	shale
5470	9427	28	sand and shale
5470	9455	28	shale
5470	9483	28	sand and shale
5470	9511	28	shale
5470	9539	28	sand and shale
5470	9567	28	shale
5470	9595	28	sand and shale
5470	9623	28	shale
5470	9651	28	sand and shale
5470	9679	28	shale
5470	9707	28	sand and shale
5470	9735	28	shale
5470	9763	28	sand and shale
5470	9791	28	shale
5470	9819	28	sand and shale
5470	9847	28	shale
5470	9875	28	sand and shale
5470	9903	28	shale
5470	9931	28	sand and shale
5470	9959	28	shale
5470	9987	28	sand and shale
5470	10015	28	shale