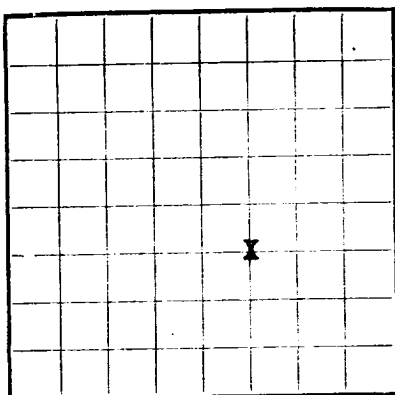


U. S. LAND OFFICE Las Cruces
SERIAL NUMBER 060943
LEASE OR PERMIT TO PROSPECT _____
(P.J. Langlie)

LOCATE WELL CORRECTLY

UNITED STATES
RO-750 DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company R. Olsen Address Drawer 2, Jal, New Mexico
Lessor or Tract Langlie Field Langlie-Mattix State New Mexico
Well No. 1 Sec. 14 T. 25 S. R. 37E Meridian A.M.P.M. County Las
Location 2980 ft. N. of 8 S. Line and 1980 ft. E. of 2 Line of 14 Elevation 3191
(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 Johnnie French
Date January 27, 1955 Title Superintendent

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

Commenced drilling October 29 1954 Finished drilling December 28 1954
OIL OR GAS SANDS OR ZONES
(Denote gas by G)No. 1, from Tansill 2232 to 2365 No. 4, from Penrose 3191 to 3368
No. 2, from Yates 2365 to 2632 No. 5, Grayburg 3368 to 3656
No. 3, from 7-River 2632 to 3070 No. 6, San Andres 3656 to 4705
Queen 3070 to 3191 IMPORTANT WATER Charboneta 4705 to 4962No. 1, from none to none No. 3, from none to none
No. 2, from none to none No. 4, from none to none

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8	40#	8	J. 55	281'	HOWCO				Surface casing
					HOWCO				Old casing
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	290	200	HOWCO		
7	4994	350 at shoe			
		100 2-stage tool set at 1400'			

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
	Western Co. 4 jet	shots per foot	160	12/27	4780-4820	
	Western Co. 4 jet	shots per foot	156	12/30	4725-4764	
	Western Co. 4 jet	shots per foot	340	1/3/55	3690-3775	
	Western Co. 4 jet	shots per foot	960	1/8/55	3180-3320	

Rotary tools were used from 0 feet to 4962 feet, and from _____ feet to _____ feet

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

DATES

Put to producing January 9 1955The production for the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. _____

If gas well, estimated _____ Gallons gas per 1,000 cu. ft. of gas

Rock pressure 20 million Casing Pressure 850#Tubing Pressure 765# EMPLOYEES

O. L. Orbison _____, Driller J. W. Gunter _____, Driller

M. C. Hamm and O. O. Harris _____, Driller M. H. Kiser _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
DRILLER'S LOG			
(Taken from the Daily Drilling Reports)			
0	30	30	Sand and shells
30	338	308	Red Bed.
338			Ran 9-5/8" casing, set 280' from ground level. Cemented with 200 sacks cement.
338	667	329	Red Bed and shells.
667	765	98	Red Rock.
765	909	144	Red Bed and Anhydrite
909	992	83	Anhydrite
992	1202	210	Red Rock and anhydrite
1202	1450	247	Anhydrite
1450	2240	790	Anhydrite and salt
2240	2263	23	Anhydrite and Gyp
2263	2308	45	Anhydrite and Lime.
2308	2351	43	Anhydrite
2351	2386	35	Anhydrite and Lime
2386	2425	39	Anhydrite, potash
2425	2484	59	Anhydrite
2484	2530	46	Anhydrite and Lime
2530	2562	32	Anhydrite

[illegible]

LEW EAD MO JO DO

LOCATE WELL CORR. JLF

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 pulling. See to 10/67

12/15/54 Stem Test from 4813-4776, tool on 30 minutes with fair blow gradually was coming to head in 30 minutes, no gas or fluid to surface, recovered 180 feet of slightly gas cut drilling mud with a slight show of distillate. Hydrostatic head 2525', 120', RFR 1657, four minutes, 11 165. Final hydrostatic head 2503'. 12/16/54 squeezed oil formation from 4760 to 4662 with 200 sacks of cement, 4780 to 4820, 4 jet shots per foot (weight 90-1) 3308 From 4780 to 4820, 4 jet shots per foot (weight 90-1) 3308 12/27/54 perforated 12/28/54 squeezed with 200 sacks cement, Halliburton squeeze packer set at 4775, perforated 4764 to 4725 with 4 jet shots per foot (weight 90-1) 3308 12/29/54 squeezed back from 4770 to 4538, 50 sacks of cement, perforated 1/3/55 from 3690 to 3775 with 4 jet shots per foot. Sandraced 3690 to 3775, swabbed 100% sulphur water. 1/6/55 squeezed from 3661 to 3775, plug at 3661. Perforated 1/8/55 from 3600 to 3920, 4 jet shots per foot, sandraced, made 2 runs with swab, recovered approximately 75 bbls load oil. Well went on gas, flowed on 10/67 choke.

HISTORY OF OIL OR GAS WELL

FROM-	TO-	TOTAL FEET	FORMATION
2562	2602	40	Anhydrite and shells
2602	2738	136	Anhydrite and lime
2738	2838	100	Lime
2838	2868	30	Anhydrite and lime
2868	2989	121	Lime
2989	3035	46	Sandy lime
3035	3069	34	Lime
3069	3167	95	Sandy lime
3167	3192	25	Lime
3192	3250	58	Sandy lime
3250	3289	39	Lime
3289	3298	9	Sandy lime
3298	3350	52	Lime
3350	3390	40	Sandy lime
3390	3403	13	Lime
3403	3420	17	Lime and dolomite
3420	3473	53	Lime
3473	3493	20	Lime and broken formation
3493	3580	87	Sandy lime
3580	3621	41	Lime
3621	3650	29	Sandy lime
3650	3875	225	Deviation to.
3875	4035	160	Sandy lime
4035	4055	20	Hard sandy black shale
4055	4063	8	Lime and shale
4063	4095	32	Lime
4095	4196	101	Lime
4196	4303	107	Lime
4303	4346	43	Lime
4346	4503	157	Lime
4503	4577	74	Lime
4577	4595	18	Sandy lime
4595	4627	32	Lime
4627	4652	25	Lime and sand
4652	4668	16	Sandy lime
4668	4680	12	Lime
4680	4691	11	Sandy lime
4691	4708	17	Lime
4708	4723	15	Sandy lime
4723	4908	185	Lime
4908	4952	44	Sandy lime
4952	4963	11	Lime
4963	4995	32	Lime
4995	5035	40	Sandy lime
5035	5055	20	Lime
5055	5063	8	Hard sandy black shale
5063	5095	32	Lime
5095	5196	101	Lime
5196	5303	107	Lime
5303	5346	43	Lime
5346	5503	157	Lime
5503	5577	74	Lime
5577	5595	18	Sandy lime
5595	5627	32	Lime
5627	5652	25	Lime and sand
5652	5668	16	Sandy lime
5668	5680	12	Lime
5680	5691	11	Sandy lime
5691	5708	17	Lime
5708	5723	15	Sandy lime
5723	5908	185	Lime
5908	5952	44	Sandy lime
5952	5963	11	Lime
5963	5995	32	Lime
5995	6035	40	Sandy lime
6035	6055	20	Lime
6055	6063	8	Hard sandy black shale
6063	6095	32	Lime
6095	6196	101	Lime
6196	6303	107	Lime
6303	6346	43	Lime
6346	6503	157	Lime
6503	6577	74	Lime
6577	6595	18	Sandy lime
6595	6627	32	Lime
6627	6652	25	Lime and sand
6652	6668	16	Sandy lime
6668	6680	12	Lime
6680	6691	11	Sandy lime
6691	6708	17	Lime
6708	6723	15	Sandy lime
6723	6908	185	Lime
6908	6952	44	Sandy lime
6952	6963	11	Lime
6963	6995	32	Lime
6995	7035	40	Sandy lime
7035	7055	20	Lime
7055	7063	8	Hard sandy black shale
7063	7095	32	Lime
7095	7196	101	Lime
7196	7303	107	Lime
7303	7346	43	Lime
7346	7503	157	Lime
7503	7577	74	Lime
7577	7595	18	Sandy lime
7595	7627	32	Lime
7627	7652	25	Lime and sand
7652	7668	16	Sandy lime
7668	7680	12	Lime
7680	7691	11	Sandy lime
7691	7708	17	Lime
7708	7723	15	Sandy lime
7723	7908	185	Lime
7908	7952	44	Sandy lime
7952	7963	11	Lime
7963	7995	32	Lime
7995	8035	40	Sandy lime
8035	8055	20	Lime
8055	8063	8	Hard sandy black shale
8063	8095	32	Lime
8095	8196	101	Lime
8196	8303	107	Lime
8303	8346	43	Lime
8346	8503	157	Lime
8503	8577	74	Lime
8577	8595	18	Sandy lime
8595	8627	32	Lime
8627	8652	25	Lime and sand
8652	8668	16	Sandy lime
8668	8680	12	Lime
8680	8691	11	Sandy lime
8691	8708	17	Lime
8708	8723	15	Sandy lime
8723	8908	185	Lime
8908	8952	44	Sandy lime
8952	8963	11	Lime
8963	8995	32	Lime
8995	9035	40	Sandy lime
9035	9055	20	Lime
9055	9063	8	Hard sandy black shale
9063	9095	32	Lime
9095	9196	101	Lime
9196	9303	107	Lime
9303	9346	43	Lime
9346	9503	157	Lime
9503	9577	74	Lime
9577	9595	18	Sandy lime
9595	9627	32	Lime
9627	9652	25	Lime and sand
9652	9668	16	Sandy lime
9668	9680	12	Lime
9680	9691	11	Sandy lime
9691	9708	17	Lime
9708	9723	15	Sandy lime
9723	9908	185	Lime
9908	9952	44	Sandy lime
9952	9963	11	Lime
9963	9995	32	Lime
9995	10035	40	Sandy lime
10035	10055	20	Lime
10055	10063	8	Hard sandy black shale
10063	10095	32	Lime
10095	10196	101	Lime
10196	10303	107	Lime
10303	10346	43	Lime
10346	10503	157	Lime
10503	10577	74	Lime
10577	10595	18	Sandy lime
10595	10627	32	Lime
10627	10652	25	Lime and sand
10652	10668	16	Sandy lime
10668	10680	12	Lime
10680	10691	11	Sandy lime
10691	10708	17	Lime
10708	10723	15	Sandy lime
10723	10908	185	Lime
10908	10952	44	Sandy lime
10952	10963	11	Lime
10963	10995	32	Lime
10995	11035	40	Sandy lime
11035	11055	20	Lime
11055	11063	8	Hard sandy black shale
11063	11095	32	Lime
11095	11196	101	Lime
11196	11303	107	Lime
11303	11346	43	Lime
11346	11503	157	Lime
11503	11577	74	Lime
11577	11595	18	Sandy lime
11595	11627	32	Lime
11627	11652	25	Lime and sand
11652	11668	16	Sandy lime
11668	11680	12	Lime
11680	11691	11	Sandy lime
11691	11708	17	Lime
11708	11723	15	Sandy lime
11723	11908	185	Lime
11908	11952	44	Sandy lime
11952	11963	11	Lime
11963	11995	32	Lime
11995	12035	40	Sandy lime
12035	12055	20	Lime
12055	12063	8	Hard sandy black shale
12063	12095	32	Lime
12095	12196	101	Lime
12196	12303	107	Lime
12303	12346	43	Lime
12346	12503	157	Lime
12503	12577	74	Lime
12577	12595	18	Sandy lime
12595	12627	32	Lime
12627	12652	25	Lime and sand
12652	12668	16	Sandy lime
12668	12680	12	Lime
12680	12691	11	Sandy lime
12691	12708	17	Lime
12708	12723	15	Sandy lime
12723	12908	185	Lime
12908	12952	44	Sandy lime
12952	12963	11	Lime
12963	12995	32	Lime
12995	13035	40	Sandy lime
13035	13055	20	Lime
13055	13063	8	Hard sandy black shale
13063	13095	32	Lime
13095	13196	101	Lime
13196	13303	107	Lime
13303	13346	43	Lime
13346	13503	157	Lime
13503	13577	74	Lime
13577	13595	18	Sandy lime
13595	13627	32	Lime
13627	13652	25	Lime and sand
13652	13668	16	Sandy lime
13668	13680	12	Lime
13680	13691	11	Sandy lime
13691	13708	17	Lime
13708	13723	15	Sandy lime
13723	13908	185	Lime
13908	13952	44	Sandy lime
13952	13963	11	Lime
13963	13995	32	Lime
13995	14035	40	Sandy lime
14035	14055	20	Lime
14055	14063	8	Hard sandy black shale
14063	14095	32	Lime
14095	14196	101	Lime
14196	14303	107	Lime
14303	14346	43	Lime
14346	14503	157	Lime
14503	14577	74	Lime
14577	14595	18	Sandy lime
14595	14627	32	Lime
14627	14652	25	Lime and sand
14652	14668	16	Sandy lime
14668	14680	12	Lime
14680	14691	11	Sandy lime
14691	14708	17	Lime
14708	14723	15	Sandy lime
14723	14908	185	Lime
14908	14952	44	Sandy lime
14952	14963	11	Lime
14963	14995	32	Lime
14995	15035	40	Sandy lime
15035	15055	20	Lime
15055	15063	8	Hard sandy black shale
15063	15095	32	Lime
15095	15196	101	Lime
15196	15303	107	Lime
15303	15346	43	Lime
15346	15503	157	Lime
15503	15577	74	Lime
15577	15595	18	Sandy lime
15595	15627	32	Lime
15627	15652	25	Lime and sand
15652	15668	16	Sandy lime
15668	15680	12	Lime
15680	15691	11	Sandy lime
15691	15708	17	Lime
15708	15723	15	Sandy lime
15723	15908	185	Lime
15908	15952	44	Sandy lime
15952	15963	11	Lime
15963	15995	32	Lime
15995	16035	40	Sandy lime
16035	16055	20	Lime
16055	16063	8	Hard sandy black shale
16063	16095	32	Lime
16095	16196	101	Lime
16196	16303	107	Lime
16303	16346	43	Lime
16346	16503	157	Lime
16503	16577	74	Lime
16577	16595	18	Sandy lime
16595	16627	32	Lime
16627	16652	25	Lime and sand
16652	16668	16	Sandy lime
16668	16680	12	Lime
16680	16691	11	Sandy lime
16691	16708	17	Lime
16708	16723	15	Sandy lime
16723	16908	185	Lime
16908	16952	44	Sandy lime
16952	16963	11	Lime
16963	16995	32	Lime
16995	17035	40	Sandy lime
17035	17055	20	Lime
17055	17063	8	Hard sandy black shale
17063	17095	32	Lime
17095	17196	101	Lime
17196	17303	107	Lime
17303	17346	43	Lime
17346	17503	157	Lime
17503	17577	74	Lime
17577	17595	18	Sandy lime
17595	17627	32	Lime
17627	17652	25	Lime and sand
17652	17668	16	Sandy lime
17668	17680	12	Lime
17680	17691	11	Sandy lime
17691	17708	17	Lime
17708	17723	15	Sandy lime
17723	17908	185	Lime
17908	17952	44	Sandy lime
17952	17963	11	Lime
17963	17995	32	Lime
17995	18035	40	Sandy lime
18035	18055	20	Lime
18055	18063	8	Hard sandy black shale
18063	18095	32	Lime
18095	18196	101	Lime
18196	18303	107	Lime
18303	18346	43	Lime
18346	18503	157	Lime
18503	18577	74	Lime
18577	18595	18	Sandy lime
18595	18627	32	Lime
18627	18652	25	Lime and sand
18652	18668	16	Sandy lime
18668	18680	12	Lime
18680	18691	11	Sandy lime
18691	18708	17	Lime
18708	18723	15	Sandy lime
18723	18908	185	Lime
18908	18952	44	Sandy lime
18952			