

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

AREA 640 ACRES
LOCATE WELL CORRECTLY

The Pure Oil Company

.....
(Company or Operator)

M. J. Wallace

(Page)

Well No. **2** in **SE** 1/4 of **SW** 1/4, of Sec. **31**, T. **11-S**, R. **36-E**, NMPM.

Gladiola Devonian North

Pool.

County.

Well is 330 feet from South line and 2310 feet from West line.

of Section 31 If State Land the Oil and Gas Lease No. is.....

Drilling Commenced September 16, 1956 Drilling was Completed December 5, 1956

Name of Drilling Contractor..... **Livermore Drilling Company**

Address 406 Lubbock National Building, Lubbock, Texas

Elevation above sea level at Top of Tubing Head.....**3879' SCF**..... The information given is to be kept confidential until

..... 19.....

No. 1, from.....to..... No. 4, from.....to.....

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from.....to..... No. 6, from.....to.....

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from.....to.....feet.

No. 2, from.....to.....feet.

No. 3. from.....to.....feet.

No. 4, from.....to.....feet.

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
11-3/4"	42#	New	356!	Baker Guide Shoe			
8-5/8"	32#, 24#	New	4,602!	Baker Guide Shoe			
5-1/2"	20#, 17#	New	12,170!	Baker Differential Guide Shoe		# See Below	

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
17-1/4"	11-3/4"	358'	500	Pump and Plug		
11"	8-5/8"	4,602'	2500	Pump and Plug		
7-7/8"	5-1/2"	12,168'	115	Pump and Plug		

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

See attached sheet

Result of Production Stimulation

..Depth Cleaned Out.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special test or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 0 feet to 12,172 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing, 19.

OIL WELL: The production during the first 24 hours was Dry barrels of liquid of which % was
was oil; % was emulsion; % water; and % was sediment. A.P.I.
Gravity.

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in.

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico		Northwestern New Mexico	
T. Anhy. 2213'		T. Devonian. 11933'	T. Ojo Alamo.
T. Salt.		T. Silurian.	T. Kirtland-Fruitland.
B. Salt.		T. Montoya.	T. Farmington.
T. Yates. 3030'		T. Simpson.	T. Pictured Cliffs.
T. 7 Rivers.		T. McKee.	T. Menefee.
T. Queen.		T. Ellenburger.	T. Point Lookout.
T. Grayburg.		T. Gr. Wash.	T. Mancos.
T. San Andres. 4400'		T. Granite.	T. Dakota.
T. Glorieta. 5828'		T.	T. Morrison.
T. Drinkard.		T.	T. Penn.
T. Tubbs. 7085'		T.	T.
T. Abo. 7782'		T.	T.
T. Perm. OLFCAMP 9078'		T.	T.
T. Miss. ls. 11560'		T.	T.
WOODFORD 11905'			

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	44	44	Caliche	10578	10942	364	Lime
44	364	320	Caliche & redbed	10942	10964	22	Lime & chert
364	1083	719	Redbed	10964	11047	83	Lime, chert & shale
1083	2103	1020	Redbed, sand & anhydrite	11047	11076	29	Cherty lime & shale
2103	2300	197	Anhydrite	11076	11104	28	Chert, lime & shale
2300	2330	30	Anhydrite & salt	11104	11119	15	Cherty lime
2330	2845	515	Salt	11119	11158	39	Lime & chert
2845	3281	436	Anhydrite & salt	11158	11212	54	Lime & shale
3281	3323	42	Anhydrite, gyp. & salt	11212	11231	19	Lime & chert
3323	3783	460	Anhydrite	11231	11298	67	Lime, chert & shale
3783	3945	162	Anhydrite & salt	11298	11335	37	Shaley lime
3945	4140	195	Anhydrite	11335	11350	15	Shale
4140	4553	113	Anhydrite & salt	11350	11591	241	Shale & lime
4253	4321	68	Anhydrite	11591	11606	15	Lime
4321	4416	95	Anhydrite & lime	11606	11631	25	Cherty lime & shale
4416	7763	3347	Lime	11631	11643	12	Lime & shale
7763	7864	101	Lime & shale	11643	11677	34	Lime, shale & chert
7864	9474	1610	Lime	11677	11822	145	Lime & chert
9474	9755	281	Lime & shale	11822	11846	24	Cherty lime & shale
9755	10021	266	Lime	11846	11862	16	Lime & shale
10021	10074	53	Lime & shale	11862	11900	38	Lime
10074	10150	76	Lime	11900	11923	23	Lime & chert
10150	10417	267	Lime & shale	11923	11947	24	Lime
10417	10468	51	Lime	11947	11980	33	Lime, shale & dolomite
10468	10578	110	Lime & shale				(continued on 2nd page)

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

I hereby swear or affirm that the information given herewith is a complete and correct record of the well and all work done on it so far as can be determined from available records.

April 4, 1957 (Date)

Company or Operator. The Pure Oil Company Address. P. O. Box 2107, Fort Worth 1, Texas
Name. J. L. Battle Position or Title. Chief Clerk

FORMATION RECORD

FROM:	TO:	THICKNESS IN FEET	FORMATION:
11980	12022	42	Dolomite & lime
12022	12109	87	Lime & chert
12109	12123	14	Lime
12123	12152	29	Lime, dolomite & shale
12152	12172	20	Chert, dolomite & lime
	12172		TOTAL DEPTH
12172	12150	22	P.B.T.D. (Top of cement inside 5-1/2" OD Casing)

PERFORATIONS:				ACIDIZING:				KIND:
DATE:	FROM:	TO:	NO SHOTS:	DATE:	FROM:	TO:	GALS:	
12-9-56	11945'	11963'	108	12-11-56	11945'	11963'	500	Mud Acid
				12-13-56	11945'	11963'	1,000	Cardinal XLST Acid
12-16-56	11983'	12025'	168	12-17-56	11983'	12067'	500	Mud Acid
12-14-56	12025'	12067'	168	12-19-56	11983'	12067'	3,000	Reg. Acid w/ 150 5/8" Nylon balls
				12-29-56	11945'	12067'	150	Ref. Oil w/ 300# Moth Balls ahead of acid
							3,000	XFM38-17 Acid, followed by
							250	Ref. Oil w/ 500# Moth Balls and
							2,250	XFM38-17 Acid
1-4-57	12099'	12139'	160	1-6-57	12099'	12139'	500	Mud Acid
				1-9-57	12099'	12139'	2,500	TM-8 Acid
				1-10-57	11945'	12139'	5,000	TM-8 Acid
				1-11-57	11945'	12139'	15,000	Cardinal Unisol Retarded Acid

DEFLECTION TESTS

FOOTAGE:	DEGREES:	FOOTAGE:	DEGREES:	FOOTAGE:	DEGREES:
100	3/4	7661	1	11190	2
364	1/2	8048	1-1/2	11278	3
850	1/4	8220	1-1/2	11330	3-1/2
1320	1/4	8470	1-3/4	11393	3-3/4
2103	1	8640	1-1/2	11418	3-1/2
2580	1/4	8813	1-3/4	11444	3-1/2
3000	1	8920	2	11488	3-3/4
3990	1-3/4	9080	1-3/4	11545	3-1/2
4280	1	9268	1-1/2	11581	3-1/4
4479	1/2	9365	1-1/2	11641	4
4838	1/2	9500	1	11702	5-1/2
5400	1/2	9645	1	11718	5-1/2
5660	0	9790	1	11820	5-3/4
5870	0	9940	1-1/4	11885	5-3/4
6200	3/4	10150	1-1/4	11980	6-1/2
6485	1	10340	1-1/2	12035	7
6950	1	10550	1-1/4	12085	11-1/2
7090	1	10735	1	12123	11
7330	1	10874	1-1/4	12172	11-1/2
		11025	1		

DRILL STEM TESTS:

- DST #1: Devonian from 11,920' to 11,980', 1" surface, 5/8" bottom chokes, 2250' water blanket, had fair air blow immediately, decreased to no blow in 1 hour, closed and reopened tool after 1 hour. Pulled tool, recovered 2250' water blanket and 180' of slightly oil and gas cut mud. Flowing pressure initial and final 1130#, hydrostatic pressure 5875# to 5840#, 15 minute shut in pressure 2880#. Bottom hole temperature 171 deg.
- DST #2: Devonian from 11,920' to 12,035', 1" surface, 5/8" bottom chokes, 2250' water blanket, tool open 3 hours, had fair air blow immediately, decreased to no blow in 30 minutes. Pulled tool recovered 2250' water blanket, 160' very slightly oil and gas cut mud. Flowing pressure initial 1100#, final 1100#, hydrostatic pressure 6260#, 15 minute shut in pressure 1810#.
- DST #3: Devonian from 12,063' to 12,123', 1" surface and bottom chokes, 2250' water blanket, tool open 2 hours, had slight air blow for 10 minutes. Closed tool and reopened tool after 20 minutes, had slight air blow for 3 minutes. Pulled tool, recovered 2250' of water blanket, 140' of drilling mud, no oil, gas or formation water. Flowing pressure initial and final 1150#, hydrostatic pressure 6025# to 5970#, 30 minute shut in pressure 2420#.