

THE SUPERIOR OIL COMPANY

303 BRINK BUILDING

ALBUQUERQUE, NEW MEXICO

September 11, 1936

Mr. C. M. Crawford
Superior Oil Company
303 C. A. Johnson Bldg.
Denver 2, Colorado

Dear Mark:

Following is information which I hope will help you in making out your reports on Lubar #1 G. Gonzales, San RM #1, 29-12N-14E, San Miguel County, New Mexico:

Drilling commenced on June 18, 1936, with objective of various Pennsylvanian sands. Well cuttings were collected at 10 foot intervals, examined and plotted from below the surface casing to total depth. A portable gas detector was used to check drilling mud, and cuttings, for shows of oil and gas from approximately 1000 feet to total depth. A Thompson Electric Log, Hi-Res, and Laterolog were run after completion of drilling from the bottom of the surface casing to total depth of 3224 feet.

From examination of the cutting and the Electric Log, the following formation tests were established: Permian-Santa de Cristo, 585'; Pennsylvanian-Mazdaena, 1505'; Grey Mesa member, 2510'; Upper Sandia Clastic member, 2690'; Lower Sandia Limestone member (Mississippian?) 3118'; and Pre-Cambrian Granite 3212'.

During drilling of the well, the examination of the cuttings under microscope and fluorescent light indicated that sands in the following intervals had shows of oil: 2509-82, 2690-93; 2940-45. A limestone interval from 3140-50 also had a show of oil. All of these shows were of spotty nature, and had a dull fluorescence that indicated the formation would likely produce water instead of oil. Even so, the best of these shows, the interval 2565-82 was checked with a drill stem test covering the interval 2566-2608. This test, open 1 hour, shut in 15 minutes, recovered 140 feet of watery mud. Pressures were as follows: PP 75#-76#, 15 minute SIP = 845#. Subsequent shows

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were judged not to have as much merit as the one previously tested, and the decision was made to evaluate all shows with the electric log before doing further testing. Examination of the Schlumberger logs run led to the conclusion that the most promising zone encountered in the well was the one on which the drill stem test was run and similar negative results could be expected from the others. This bore out the information gained from checking mud and cutting samples with the portable gas detector. This device did not register a single anomalous reading through the interval 1500' to total depth. I might add that even sub-commercial oil or gas will give a good reading on this instrument.

Final conclusions from the drilling of this well are as follows:

- (1) The minor shows encountered suggest that the Pennsylvanian stratigraphic section was not sufficiently petroliferous to generate large accumulations of oil or gas.
- (2) The existence of fresh water in the potential reservoirs suggest that hydrodynamic conditions could have migrated any oil accumulations that may have existed to other areas.

Sincerely,

THE SUPERIOR OIL COMPANY

L. M. Knapp

LMA:ehg

cc: N. W. Engel

Santa Fe, New Mexico

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPLICATE. If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

LUBAR OIL COMPANY

GERARDO GONZALES

(Company or Operator)

(Leave)

Well No. 1, in SE $\frac{1}{4}$ of NE $\frac{1}{4}$, of Sec. 29, T. 12N, R. 14E, NMPM.

Pool. SAN MIGUEL County.

Well is 990 feet from NORTH line and 330 feet from EAST line
of Section 29. If State Land the Oil and Gas Lease No. is _____

Drilling Commenced..... JUNE 18, 1956, 19..... Drilling was Completed..... JULY 15, 1956, 19.....

Name of Drilling Contractor..... **BELL & STILWELL**

Address CORTEZ, COLORADO

Elevation above sea level at Top of Tubing Head..... 6500 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.....

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
9 5/8							
SURFACE CGG.		NEW	196.37				

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
13 3/4	9 5/8	196.37	200 REG			
7 7/8	5 1/2					

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

Result of Production Stimulation.....

..Depth Cleaned Out.....

RECORD OF DRILL-STEM AND SPECIAL TESTS

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

TOOLS USED

Rotary tools were used from 0 feet to 3226 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing D&A JULY 15, 1956, 19

OIL WELL: The production during the first 24 hours was 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.				T. Devonian			T. Ojo Alamo.
T. Salt.				T. Silurian			T. Kirtland-Fruitland.
B. Salt.				T. Montoya			T. Farmington.
T. Yates.				T. Simpson			T. Pictured Cliffs.
T. 7 Rivers.				T. McKee			T. Menefee.
T. Queen.				T. Ellenburger			T. Point Lookout.
T. Grayburg.				T. Gr. Wash.	3173		T. Mancos.
T. San Andres.				T. Granite.	3212		T. Dakota.
T. Glorieta.				T.			T. Morrison.
T. Drinkard.				T.			T. Penn.
T. Tubbs.				T.			T.
T. X SANGRE DE CRISTO	585			T.			T.
T. X MAGDELENA	1505			T.			T.
T. X GREY MESA	2510			T.			T.
LIME	3118						

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
210	585	375	SD WITH SILT STONE				
585	1505	920	RODOL SH, SILT STONE & INTERBEDDED SDS.				
1505	2490 2510	1005	LS LT GREY ARGILLACEOUS SDS WITH DK BRN SH AND VERY FEW INTERBEDDED ARKOSIC SANDSTONES				
2510	2690	180	LIMESTONE LT GREY CHERY WITH INTERBEDDED GREY SHALES AND SMALL AMOUNT OF SANDSTONE				
2690	3118	428	PREDOMINATELY MARINE GREY SH WITH SD SLITE ARGILLA- CEOUS AND TITE TRACES OF LIMESTONE				
3118	3173	55	DOLOMITAE AND DOLOMITIC LS CHTY AND SOME SD				
3173	3212	42	GRANITE WASH				
3212	3226	11	GRANITE				

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.

DECEMBER 24, 1957

(Date)

Company or Operator LUBAR OIL COMPANY Address 308 C. A. JOHNSON BUILDING DENVER,
Name M. W. Pasquian Position or Title OFFICE MANAGER COLO.