

Santa Fe, New Mexico

Jan 8 3 52 PM '64

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

Lario Oil & Gas Company

(Company or Operator)

Federal #A# L. C. 062178

(Lease)

Well No. 4, in SE $\frac{1}{4}$ of 14, of Sec. 14, T. 7-S, R. 3-E NMPM.

.....Milnes and San Andres.....Pool, Roosevelt.....County.

Well is 660 feet from South line and 1980 feet from East line

of Section 14 If State Land the Oil and Gas Lease No. is _____

Drilling Commenced Dec. 8, 1963 19..... Drilling was Completed Dec. 17, 1963 19.....

Name of Drilling Contractor. Verna Drilling Company

Address 1216 Mercantile Securities Building, Dallas, Texas

Elevation above sea level at Top of Tubing Head.....4270..... The information given is to be kept confidential until

....., 19.....

No. 1, from 3784 to 4680 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 1000 to 1000 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
3-5/8	21#	New	363.38		None		Surface string, cemented w/200 sacks cement, Cement circulated
4-1/2	10.5#	New	4671.30	Howco Guide	None	4586-4630	Oil String

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
12 1/8"	8-5/8	374.83	200	pump	rotary	Cement circulated
7-7/8"	4-1/2"	4680.30	200	pump	Wt. 10.5 Vis. 42	Top of cement at 3875'

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

Acidized perforations 4586, 4589, 4591, 4603, 4608, 4612, 4625 and 4630 with 2000 gallons acid. Swab well down. Frac treated perforations with 20,000 gallons refined oil, 19,000 gallons w/1# sand per gallon and last 1000 gallons with 250# walnut hulls, 300# adomite mixed with refined oil. Average injection rate 15 bbls per minute at 3800#. Swabb well to natural flow. Ran tubing.

Result of Production Stimulation..... **Flowed 58.50 barrels oil in 24 hrs.**

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 Surface feet to 4680 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing Jan. 1, 1964, 19
OIL WELL: The production during the first 24 hours was 58.50 barrels of liquid of which 100 % was
was oil; -0- % was emulsion; -0- % water; and -0- % was sediment. A.P.I.
Gravity 29.1
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	2608		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	3784		T. Granite		T. Dakota
T. Glorieta			T.		T. Morrison
T. Drinkard			T.		T. Penn.
T. Tubbs			T.		T.
T. Abo			T.		T.
T. Penn.			T.		T.
T. Miss.			T.		T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	205	205	Caliche, Sand, Red Bed				
205	376	171	Red Bed				
376	620	244	Red Bed and Shale				
620	1600	980	Red Bed				
1600	2115	515	Red Bed, Shale and Sand				
2115	2150	35	Red Bed and Shale				
2150	2200	50	Red Bed and Anhydrite streaks				
2200	2230	30	Anhydrite				
2230	2530	300	Red Bed				
2530	2700	170	Anhydrite and salt				
2700	3122	422	Anhydrite and salt				
3122	3422	300	Anhydrite, Shale, Lime streaks				
3422	3542	120	Anhydrite and shale				
3542	3810	268	Anhydrite and shale				
3810	3818	8	Lime				
3818	3865	47	Lime				
3865	4011	146	Anhydrite & Lime				
4011	4125	114	Anhydrite & Lime				
4125	4165	40	Lime and Anhydrite				
4165	4680	515	Lime				

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.

Company or Operator Lario Oil & Gas Company
Name J. E. Frankham
Address Box 1209 Odessa, Texas
Position or Title District Production Superintendent
Jan. 7, 1964 (Date)