

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

OCT - 4 '90

WELL API NO.

30-005-62780

5. Indicate Type of Lease

STATE ☒ FEE

6. State Oil & Gas Lease No.

LG-8581-1

WELL COMPLETION OR RECOMPLETION REPORT AND LOGD.

1a. Type of Well: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER ARTESIA, OFFICE

b. Type of Completion:

NEW WORK ☒ OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

7. Lease Name or Unit Agreement Name

Luce State Comm.

2. Name of Operator

ELK OIL COMPANY ✓

8. Well No.

1

3. Address of Operator

Post Office Box 310, Roswell, New Mexico 88202-0310

9. Pool name or Wildcat

Und. Floor Ranch Pre-Permian

4. Well Location

Unit Letter O : 660 Feet From The South Line and 2310 Feet From The East

Section 8 Township 9 South Range 27 East NMPM Chaves Co

10. Date Spudded

5/3/90

11. Date T.D. Reached

5/22/90

12. Date Compl. (Ready to Prod.)

13. Elevations (DF & RKB, RT, GR, etc.)

3866' GR

14. Elev. Casinghead

15. Total Depth

6450'

16. Plug Back T.D.

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

Cable Tools

20. Was Directional Survey Made

Yes

19. Producing interval(s), of this completion - Top, Bottom, Name

Dry Hole

21. Type Electric and Other Logs Run

Schlumberger LDT/CNL; DLL/RXO

22. Was Well Cored

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT
8 5/8"	24#	1010'	12 1/4"	575 sxs	None
5 1/2"	15.5#	6450'	7 7/8"	650 sxs	3800'

Post ID - 2
12-2-90

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACK

25. TUBING RECORD

26. Perforation record (interval, size, and number)

See attached

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

PRODUCTION

28. Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
Dry Hole							
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By

30. List Attachments

Two copies of logs and two directional surveys

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

Printed Name

Joseph J. Kelly

Title

President

Date 10

/90

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy _____	T. Canyon _____
T. Salt _____	T. Strawn _____
B. Salt _____	T. Atoka _____
T. Yates _____	T. Miss _____ 6241
T. 7 Rivers _____	T. Devonian _____
T. Queen _____	T. Silurian _____
T. Grayburg _____	T. Montoya _____ 6300
T. San Andres _____ 1333	T. Simpson _____
T. Glorieta _____ 2486	T. McKee _____
T. Paddock _____	T. Ellenburger _____
T. Blinberry _____	T. Gr. Wash _____
T. Tubb _____	T. Delaware Sand _____
T. Drinkard _____	T. Bone Springs _____
T. Abo _____ 4711	T. _____
T. Wolfcamp _____ 5392	T. _____
T. Penn _____ 5932	T. _____
T. Cisco (Bough C) _____	T. _____

Northwestern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Otzte _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. _____
T. Morrison _____	T. _____
T. Todilto _____	T. _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from _____ to _____	No. 3, from _____ to _____
No. 2, from _____ to _____	No. 4, from _____ to _____

IMPORTANT WATER SANDS

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 _____

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	757	757	Red Bed / Anhydrite				
757	4683	3926	Dolomite				
4683	5358	675	Shale				
5358	5950	592	Dolomite / Shale				
5950	6157	207	Shale				
6157	6408	251	Lime / Shale				
6408	6450	42	Lime				

LUCE STATE COMM #1
Completion Report
Section 8-9S-27E
Chaves County, New Mexico

- 05/29/90: Rig up pulling unit. Pick up and tally 2 7/8" tubing into hole. TD 6430. Circulate hole clean with 2% KCL water. Pull out of hole with tubing. Shut down for night.
- 05/30/90: Rig up Schlumberger. Run tie-in log. Perforate as follows: 6316, 6317, 6318, 6322, 6323, 6329, 6330, 6336, 6337; 10 holes. Pull out of hole with Schlumberger. Run in hole with Baker double grip packer, set at 6220'. Made seven swab runs. Swabbed dry with trace of gas, recovered 40 bbls load water. Shut down for night.
- 05/31/90: 18 hour SITP 0#. Fluid level 3000' from surface. Swabbed dry, water very salty (possible filtrate water). Rig up Halliburton. Acidize with 500 gals 15% MOD 202, with 15 ball sealers. Average pressure 2700# @ 3.1 BPM. Total load 52 bbls, balled out. ISIP 1700#, 5 minute 1100#, 15 minute 300#. Made 8 runs, recovered 48 bbls, fluid level 1300' in hole. Three runs, recovered 15 bbls, fluid level 500' in hole. Shut in one hour, SITP 0#, fluid level 1000' in hole. Swabbed 10 bbls, total recovered for day 73 bbls, 21 bbls over load. Shut down for night.
- 06/01/90: 18 hr SITP 50#. Blew down, found fluid level 1000' from surface. Swabbed 4 hours, recovered 50 bbls water, no gas or oil. Water analysis; pH 6.3, CL2 51,000; formation water. Release packer, pull out of hole with tubing. Prepare to plug and abandon Fusselman zone. Prepare to perforate Wolfcamp. Shut down for night.
- 06/02/90: Rig up Schlumberger. Set BP @ 6200' with 35' cement. Run in hole with tubing, circulate hole with 2% KCL water. Pull out of hole. Schlumberger perforated Wolfcamp 5392-5404 with 25 holes. Pull out of hole. Run in hole with tubing and packer. Swabbed well down with show of gas. Shut down for night.
- 06/03/90: Shut down.
- 06/04/90: SITP 50# - blew down. 500' fluid in hole. Rig up Halliburton and acidize with 1000 gals MOD 202 with ball sealers. Formation broke @ 3000#, balled out. Max pressure 4000#, average 2200# @ 3.2 BPM. ISIP 1650#, 5 min 1480#, 15 min 1210#. Load to recover 59 bbls. Swabbed 39 bbls, good blow on tubing. Shut in one hour, 30# Fluid level. 800' fluid from surface in hole. Swabbed 10 bbls, swabbed dry with blow. Shut down for night.
- 06/05/90: SITP 100#. Blew down, fluid level 4000' from surface. Swabbed 10 bbls total, swabbed dry. Total recovery 63 bbls. Rig down unit to evaluate.

LUCE STATE COMM #1
Completion Report
Section 8-9S-27E
Chaves County, New Mexico

06/06/90 Shut in.
thru
06/10/90

06/11/90: SITP 125#, open well, blew down with 4' flame, no fluid, flowed four hours. Shut in.

06/13/90: Shut in.

06/14/90: SITP 100#, run in hole with pressure bomb for 5 day buildup.

06/15/90 Bomb in hole.
thru
06/17/90

06/18/90: Pull bomb; shut well in for evaluation of pressure data.

06/19/90: Shut in pending evaluation.

06/20/90: SITP, too small to measure. Bottom hole pressure 1464.5.
thru
06/22/90 Waiting on order.

6/22/90: Shut in pending evaluation.
thru
7/09/90

7/09/90: SITP 10#. Rig up swabbing unit. Fluid level 2000' from surface. Swabbed 28 bbls water with slight show of gas at end of run. Swabbed dry. Water Analysis:

Resistivity	.08547@ 70° F
Specific Gravity	1.07
pH	7.1
Ca	7500
Mg	2800
Cl	57,000
SO ₄	Heavy
HCO ₃	48
Fe	Heavy

Indicated to be formation water.

7/10/90: 17 hour SITP 0. Fluid level 3700' from surface. 9 bbl entry overnight. Swabbed 12 bbls water, no gas. Rig down unit. Prepare to plug and abandon.