

DISTRIBUTION

NEW MEXICO OIL CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

FEB 28 1979

50. Indicate Type of Lease

State ☐Fee ☒

5. State Oil & Gas Lease No.

7. Unit Agreement Name

8. Farm or Lease Name

Patterson EL

9. Well No.

2

10. Field and Pool, or Wildcat E.
Eagle Cr Atoka Morrow

11. County

Eddy

12. Elevations (DF, RKB, RT, GR, etc.)

13. Elev. Casinghead

14. Elev. Casinghead

15. Elev. Casinghead

16. Elev. Casinghead

17. Elev. Casinghead

18. Elev. Casinghead

19. Elev. Casinghead

20. Elev. Casinghead

21. Elev. Casinghead

22. Elev. Casinghead

23. Elev. Casinghead

24. Elev. Casinghead

25. Elev. Casinghead

26. Elev. Casinghead

27. Elev. Casinghead

28. Elev. Casinghead

29. Elev. Casinghead

30. Elev. Casinghead

31. Elev. Casinghead

32. Elev. Casinghead

33. Elev. Casinghead

34. Elev. Casinghead

35. Elev. Casinghead

36. Elev. Casinghead

37. Elev. Casinghead

38. Elev. Casinghead

39. Elev. Casinghead

40. Elev. Casinghead

41. Elev. Casinghead

42. Elev. Casinghead

43. Elev. Casinghead

44. Elev. Casinghead

45. Elev. Casinghead

46. Elev. Casinghead

47. Elev. Casinghead

48. Elev. Casinghead

49. Elev. Casinghead

50. Elev. Casinghead

51. Elev. Casinghead

52. Elev. Casinghead

53. Elev. Casinghead

54. Elev. Casinghead

55. Elev. Casinghead

10. TYPE OF WELL

OIL WELL ☐GAS WELL ☒

ARTESIA, OFFICE

OTHER ☐

b. TYPE OF COMPLETION

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. ☐OTHER ☐

2. Name of Operator

Yates Petroleum Corporation

3. Address of Operator

207 South 4th Street - Artesia, NM 88210

4. Location of Well

UNIT LETTER N LOCATED 660 FEET FROM THE South LINE AND 2310 FEET FROM

THE West LINE OF SEC. 31 TWP. 17S RGE. 26E

15. Date Spudded

12-28-78

16. Date T.D. Reached

1-30-79

17. Date Compl. (Ready to Prod.)

2-15-79

18. Elevations (DF, RKB, RT, GR, etc.)

3422' GR

20. Total Depth

LTD 8942'

21. Plug Back T.D.

8928'

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

Cable Tools

0-8942'

24. Producing Interval(s), of this completion - Top, Bottom, Name

8467-8497' Morrow

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

CNL/FDC, DLL

27. Was Well Cased

No

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

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	360'	17 1/2"	360 sacks	
8-5/8"	24#	1274'	12 1/4"	1120 sacks	
5 1/2"	15.5&17#	8931'	7-7/8"	550 sacks	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2-7/8"	8434	8434'

31. Perforation Record (Interval, size and number)

8467-8475' w/16 .50" holes (spf)
 8491-8497' w/12. 50" holes (2 spf)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8467-8497'	1000 g 7 1/2" MSA, 28500#
	20-40 sand & 21500 g
	treated fluid.

33. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
2-14-79		Flowing				SIWOPLC	
Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
2-15-79	3	1/2"	TSTM	336	-	-	-
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
420#	Pkr	-	-	2710	-	-	

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

Vented - will be sold

Test Witnessed By

Harvey Apple

35. List of Attachments

DST

36. 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.

SIGNED

Christine Johnson

TITLE

Geol. Secty

DATE 2-27-79

deepened well. It shall be accompanied by one copy of all electrical and radioactivity logs run on the well since completion or last operation was conducted, including drill stem tests. All data reported shall be measured by this. In the case of directionally drilled wells, true vertical depth shall also be reported. For multiple completions, items 30 through 34 shall be reported for each completion. The form is to be filled in quadruplicate 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			Northwestern New Mexico		
	Lower				
T. Anhy	T. Canyon	✓7416	T. Ojo Alamo	T. Penn. "B"	
T. Salt	T. Strawn	✓7874	T. Kirtland-Fruitland	T. Penn. "C"	
B. Salt	T. Atoka	✓8240	T. Pictured Cliffs	T. Penn. "D"	
T. Yates	T. Miss		T. Cliff House	T. Leadville	
T. 7 Rivers	T. Devonian		T. Menefee	T. Madison	
T. Queen	T. Silurian		T. Point Lookout	T. Elbert	
T. Grayburg	T. Montoya		T. Mancos	T. McCracken	
T. San Andres	T. Simpson		T. Gallup	T. Ignacio Qtzite	
T. Glorieta	T. McKee		Base Greenhorn	T. Granite	
T. Paddock	T. Ellenburger		T. Dakota	T.	
T. Blinberry	T. Gr. Wash		T. Morrison	T.	
T. Tubb	T. Granite		T. Todilto	T.	
T. Drinkard	T. Delaware Sand		T. Entrada	T.	
T. Abo	T. Bone Springs		T. Wingate	T.	
T. Wolfcamp	T. Morrow Cl	8444	T. Chinle	T.	
T. Penn.	T. Chester	8657	T. Permian	T.	
T. Cisco	T. Miss	8810	T. Penn. "A"	T.	

OIL OR GAS SANDS OR ZONES

No. 1, from 8467 to 8497' No. 4, fromto.....

No. 2, fromto..... No. 5, fromto.....

No. 3, fromto..... No. 6, fromto.....

IMPORTANT WATER SANDS

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

No. 1, fromto.....feet.

No. 2, fromto.....feet.

No. 3, fromto.....feet.

No. 4, fromto.....feet.

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	108	970	Surface rock & red bed				
970	1274	304	Sd & surface rock				
1274	1374	100	Anhydrite				
1374	1960	586	Lime and sand				
1960	2509	549	Lime and anhydrite				
2509	3060	551	Lime				
3060	3197	137	Lime and anhydrite				
3197	4360	1163	Lime				
4360	6105	1745	Lime & shale				
6105	6200	95	Lime, shale & chert				
6200	7726	1526	Lime and shale				
7726	8102	376	Lime				
8102	8825	723	Lime and shale				
8825	8872	47	Lime and sand				
8872	8942	70	Lime and shale.				

DRILL STEM TEST

Yates Petroleum Corporation

Patterson "EL" No 2-N

660' FSL & 2310' FWL

Section 31-17S-26E, Eddy County, New Mexico

DST No. 1 - 8418-8490' (Morrow) - TO 30", SI 90", OP 60", SI 180".
TO on 1/4" choke w/good blow, GTS 20". Reop w/strong blow, GTS immediately.
50 psi on 1/4" choke, decreased to weak blow in 60", 14 psi on 1/4"
choke. Recovered: 239' GCDF. Sampler: 150 psi, 800 cc DF, 1.54 cfg.
Pressures: HP 4110-4110; IFP 88-123; ISIP 3185; FFP 88-123; FSIP 3430.
BHT 138 degrees.