

(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Oil Company
Expires August 31, 1985
Lease Designation and Serial No.
Artesia, NM 88210
NM-76936

15F

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR YATES PETROLEUM CORPORATION (505) 748-1471		8. FARM OR LEASE NAME Sunflower AHW Federal	
3. ADDRESS OF OPERATOR 105 South 4th St., Artesia, NM 88210		9. WELL NO. 3	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FNL & 660' FEL (Unit H, SENE) At top prod. interval reported below At total depth		10. FIELD AND POOL OR WILDCAT Sugar Draw Wildcat Abo	
14. PERMIT NO. API 30-015-28027		11. T. R. M., OR BLOCK AND SURVEY OR AREA 31-T19S-R24E	
15. DATE SPUDDED RH 7-10-94 RT 7-13-94		12. COUNTY OR PARISH Eddy	
16. DATE T.D. REACHED 8-1-94		13. STATE NM	
17. DATE COMPL. (Ready to prod.) 8-21-94		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 3835' GR	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 4270'	
21. PLUG, BACK T.D., MD & TVD 4100'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY ROTARY TOOLS 0-4270'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4054-4077' Abo	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/LDC, DLL & Array Sonic Log	
27. WAS WELL CORED Yes		28. CASING RECORD (Report all strings set in well)	
CASING SIZE 20"		WEIGHT, LB./FT. 54.5#	
DEPTH SET (MD) 40'		HOLE SIZE 26"	
13-3/8"		1410'	
5-1/2"		4270'	
CEMENTING RECORD Cement to surface 1300 sx - circulate 625 sx - circulate		AMOUNT PULLED	
29. LINER RECORD		30. TUBING RECORD	
SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD)		SIZE DEPTH SET (MD) PACKER SET (MD)	
2-7/8"		3790'	
31. PERFORATION RECORD (Interval, size and number) 4122-4128' w/7 .42" holes 4147-4161' w/15 .42" holes 4122-4161' - squeezed 4054-4063' w/10 .42" holes 4066-4077' w/23 .42" holes		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED SEE ATTACHED SHEET	
33. PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold	
DATE FIRST PRODUCTION 8-21-94		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping	
WELL STATUS (Producing or shut-in) Producing		35. LIST OF ATTACHMENTS Drill Stem Tests, Deviation Survey and Logs	
DATE OF TEST 10-4-94		HOURS TESTED 24	
CHOKE SIZE 24		PROD'N. FOR TEST PERIOD 47	
OIL—BBL. 47		GAS—MCF. 107	
WATER—BBL. 570		GAS-OIL RATIO 2277:1	
FLOW. TUBING PRESS. 85		CASING PRESSURE 85	
CALCULATED 24-HOUR RATE 47		OIL—BBL. 47	
GAS—MCF. 107		WATER—BBL. 570	
OIL GRAVITY-API (CORR.) 45.4		TEST WITNESSED BY Johnny Blount	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		SIGNED Kustya Klein	
TITLE Production Clerk		DATE Oct. 7, 1994	

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
				San Andres Glorieta Tubb Abo	377' 1722' 3149' 3776'	

YATES PETROLEUM CORPORATION
Sunflower AHW Federal #3
Section 31-T19S-R24E
Eddy County, New Mexico

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

<u>DEPTH INTERVAL</u>	<u>TREATMENT</u>
4122-4161'	Acidized with 2000 gallons 15% NEFE acid and ball sealers
4122-4161'	Squeezed with 100 sacks Class H & 4/10% CF-14 and 100 sacks Class H Neat
4054-4077'	Acidized with 3000 gallons 15% NEFE acid and ball sealers. Frac'd with 250000 gallons 30# linear gel and 400000# 20-40 Brady sand.

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Eddy County, New Mexico

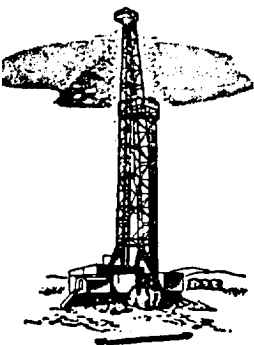
RESULTS OF DRILL STEM TESTS:

DST #1 3688-3720' (32') (Tubb): TIMES: TO 840". RECOVERY: 169.1 bbls sulfur water. Reversed out 2828' of formation water. SAMPLER: 0 psi, 2600 cc water. PRESSURES: IHP 1743; IFP 877-1442; FHP 1586.

NOTE: Test consisted of 1 nitrogen assisted flow period. Pumped 134,800 scf of nitrogen

DST #2 3922-4044': TIMES: TO 180"; SI 240". RECOVERY: 556' of water & 219' of rathole mud. SAMPLER: 1.36 cfg & 2200 cc water. PRESSURES: IHP 1880; IFP 84-241; ISIP 1267; FHP 1880.

DST #3 4040-4135' (90') (Abo): TIMES: TO 420"; SI 140". RECOVERY: 50' of free oil and 210' of oil/water emulsion. SAMPLER: .22 cfg, 1600 cc oil and 600 cc fluid. PRESSURES: IHP 1748; IFP 84-121; ISIP 555; FHP 1880



Telephone (505) 746-4405
FAX (505) 748-2205

RECEIVED

L & M DRILLING, INC. — Oil Well Drilling Contractors

OCT 12 10 56 AM '94

P.O. BOX 470 / ARTESIA, NEW MEXICO 88210

CALL
AREA

August 5, 1994

Yates Petroleum Corporation
105 South Fourth Street
Artesia, NM 88210

RE: Sunflower AHW Federal #3
1980' FNL & 660' FEL
Sec. 31, T19S, R24E
Eddy County, New Mexico

Gentlemen:

The following is a Deviation Survey for the above captioned well.

DEPTH	DEVIATION
383'	1/4°
896'	1/2°
1410'	1°
1914'	1 3/4°
2444'	1 1/4°
2941'	1 3/4°
3318'	1 1/4°
3720'	1°
3913'	1 1/4°
4044'	1/2°
4270'	1°

Very truly yours,

Eddie C. LaRue
Drilling Supt.

STATE OF NEW MEXICO §
COUNTY OF EDDY §

The foregoing was acknowledged before
me this 5th day of August, 1994.

NOTARY PUBLIC