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RECEIVED BY
FEB 18 1985UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY(See other in-
structions on
reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: ARTESIA, OFFICE OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐3. NAME OF OPERATOR
Yates Petroleum Corporation ✓4. ADDRESS OF OPERATOR
207 South 4th St., Artesia, NM 88210

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 330 FSL & 1850 FWL, Sec. 26-T16S-R31E

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

5. LEASE DESIGNATION AND SERIAL NO.

NM 38474

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Porcupine AAQ Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Square Lake-Grayburg-SA

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Unit N, Sec. 26-16S-31E

12. COUNTY OR PARISH
Eddy13. STATE
NM

15. DATE SPUDDED 10-29-84 16. DATE T.D. REACHED 11-11-84 17. DATE COMPL. (Ready to prod.) 2-8-85 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 4089' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 5505' 21. PLUG, BACK T.D., MD & TVD 4430' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY → ROTARY TOOLS X CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

3712-3880'; 4318-4340' Grayburg-San Andres

No

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/FDC; DLL 27. WAS WELL CORRED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"		40'	26"		
13-3/8"	54.5#	458'	17 1/2"	400 sx	
5-1/2"	15.5#	5505'	7-7/8"	1175 sx	

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"	3705'	-

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4318-4340' w/12 .50" Holes		4318-40'	w/1000g. 15% acid. SF w/ 40000g KCL, 80000# 20/40 sd.
3712-3880' w/30 .42" Holes		3712-3880'	w/3000g 15% acid. SF w/ 60000g KCL, 90000# 20/40 sd.

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12-21-84		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
2-8-85	24	-	→	11	TSTM	295	-
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
-	-	→	11	TSTM	295	35° (est)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Sam Machuca

35. LIST OF ATTACHMENTS Deviation Survey

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [Signature] TITLE Production Supervisor DATE 2-11-85

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

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

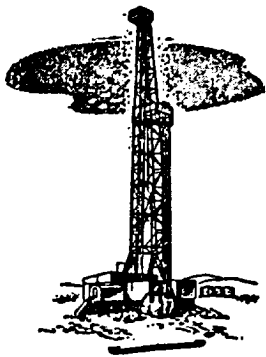
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Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
					7 Rivers	2394	
					Queen	3006	
					Penrose	3256	
					Grayburg	3476	
					Premier	3708	
					San Andres	3764	
					Lovington Sd	3872	
					Slaughter	4307	
					Yeso (Glorieta)	5214	



Telephone (505) 748-2205

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

P. O. BOX ~~672~~ / ARTESIA, NEW MEXICO 88210
470

November 19, 1984

Yates Petroleum Corporation
207 South Fourth Street
Artesia, NM 88210

Re: Porcupine AAQ Federal #1
330' FSL & 1750' FWL
Sec. 26, T16S, R31E
Eddy County, New Mexico

Gentlemen:

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

DEPTH	DEVIATION
458'	1/2°
965'	1/2°
1500'	1/2°
2067'	1/2°
2388'	3/4°
2883'	3/4°
3273'	3/4°
3596'	1°
3765'	1°
3972'	1 1/4°
4281'	1/2°
5039'	3/4°
5500'	1°

Very truly yours,

B. N. Muncy Jr.
President

STATE OF NEW MEXICO
COUNTY OF EDDY

§
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The foregoing was acknowledged before me this 19th day
of November, 1984.

NOTARY PUBLIC