

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

RECEIVED  
Instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-0245247

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

McElvain Federal

9. WELL NO.

6

10. FIELD AND POOL, OR WILDCAT

E-K-Yates-SR-Q

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

S25-T18S-R33E

12. COUNTY OR  
PARISH

Lea

13. STATE

NM

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL:

OIL  
WELL ☒GAS  
WELL ☐DRY ☐

Other

GAL  
AREA

b. TYPE OF COMPLETION:

NEW  
WELL ☒WORK  
OVER ☐DEEP-  
EN ☐PLUG  
BACK ☐DIFF.  
RESVR. ☐

Other

2. NAME OF OPERATOR

Morexco, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 481, Artesia, NM 88211-0481

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

At surface Unit G, 1650' FNL and 1650' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

12-12-90

16. DATE T.D. REACHED

12-20-90

17. DATE COMPL. (Ready to prod.)

01-05-91

18. ELEVATIONS (DF, RKB, RT, OR, ETC.)\*

3888' Grd.

19. ELEV. CASINGHEAD

3888'

20. TOTAL DEPTH, MD &amp; TVD

4975'

21. PLUG, BACK T.D., MD &amp; TVD

4919'

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

ROTARY TOOLS

0'-4975'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

Penrose 4673'-4683'

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL and DLL

25. WAS DIRECTIONAL  
SURVEY MADE

Attached

27. WAS WELL CORED

No

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

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
5 1/2"	15.5#	4975'	7 7/8"	800 sxs. Lite and 400 sxs. "C"	
				and circulated 125 sxs.	
8 5/8"	24#	527'	12 1/4"	325 sxs. "C" with 2% CaCl. and	
				circulated 89 sxs. to pit.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8"	4700'	N/A

31. PERFORATION RECORD (Interval, size and number)

4673'-4683' with 21 total holes.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4673'-4683'	Circ. w/1 bbl. NEFE.
	F/20,000 gals. 50/50 gelled
	CO2 and 40,000# 20/40.
	A/1,000 gals. 10% NEFE.

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)					WELL STATUS (Producing or shut-in)	
01-09-91		Pumping					Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO	
01-09-91	24 hrs.		→	1	0	10		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)		
		→						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

None

TEST WITNESSED BY

Morgan

35. LIST OF ATTACHMENTS

Deviation survey, CNL, and DLL.

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

SIGNED Chuck Morgan TITLE EngineerDATE 01-17-91

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

# INSTRUCTIONS

**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, of 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.)

37. SUMMARY OF POROUS ZONES:				38. GEOLOGIC MARKERS	
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORDED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION (SED. TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				NAME	MEAS. DEPTH
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.		TRUE VERT. DEPTH
Russler Anhy.	1720'				
T. Salt	1954'				
B. Salt	3010'				
T. Yates	3204'				
T. Queen Sand	4398'				
T. Penrose	4664'				