

OIL AND GAS CONSERVATION COMMISSION  
DEPARTMENT OF NATURAL RESOURCES  
OF THE STATE OF COLORADO

RECEIVED  
OCT 14 1975

3



File in triplicate for Patented and Federal lands.  
File in quadruplicate for State lands.

COLO. OIL & GAS CONS. COMM.

5. LEASE DESIGNATION AND SERIAL NO.

Colo. 4309

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

McCallum-Federal

9. WELL NO.

No. 1-19

10. FIELD AND POOL, OR WILDCAT

McCallum

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

19, T9N, R78W 6 P.M.

12. COUNTY

Jackson

13. STATE

Colorado

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. REGRV.  Other Plug & Abandon

2. NAME OF OPERATOR  
Helmerich & Payne, Inc.

3. ADDRESS OF OPERATOR  
Post Office Box 558, Garden City, Kansas 67846

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface 634' FNL & 2182' FWL Sec 19, T9N, R78W 6 P.M.  
At top prod. interval reported below Jackson County, Colorado  
At total depth Same as above  
Same as above

14. PERMIT NO. 75572 DATE ISSUED 7-3-75

15. DATE SPUDDED 8-29-75 16. DATE T.D. REACHED 10-3-75 17. DATE COMPL. (Ready to prod.) 10-6-75 (Plug & Abd.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.) GR 8319' 19. ELEV. CASINGHEAD 8319'

20. TOTAL DEPTH, MD & TVD 7066 21. PLUG, BACK T.D., MD & TVD Surface 22. IF MULTIPLE COMPL., HOW MANY \_\_\_\_\_ 23. INTERVALS DRILLED BY Surf. - 7066' ROTARY TOOLS \_\_\_\_\_ CABLE TOOLS \_\_\_\_\_

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)  
None 25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction Laterolog 27. WAS WELL CORED YES  NO  (Submit analysis)  
Compensated Formation Density Log DRILL STEM TEST YES  NO  (See reverse side)

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
18"	Conductor	40'	30"	3 1/2 yds. Redimix	None
9-5/8"	36	331'	13 1/2"	350 Sacks Class G cement	
				Circulate 150 sacks at surface.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	FJR
	FJP
	HMM
	JAM

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
<u>None</u>		

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.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) \_\_\_\_\_ TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS DST #1, DST #2, DST #3

Dual Induction Laterolog & Compensated Formation Density Log

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Jim Carroll TITLE District Production Supt. DATE 10-10-75

X

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.

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Niobrara	5790	5870	<p><u>DST No. 1:</u> No cushion used.                      Tool open 20 minutes &amp; 120 minutes                      Shut in periods 60 minutes &amp; 60 minutes                      Initial flow pressures 37-32 psi                      Final flow pressures 40-34 psi                      Initial shut in pressure 125 psi                      Final shut in pressure 71 psi                      Recovery: 65' mud.</p>
Muddy & Dakota	5750	6910	<p><u>DST No. 2:</u> No cushion used.                      Tool open 15 minutes &amp; 60 minutes                      Shut in periods 60 minutes &amp; 60 minutes                      Initial flow pressures 500-414 psi                      Final flow pressures 496-726 psi                      Initial shut in pressure 1766 psi                      Final shut in pressure 1721 psi                      Recovery:                      180' gas cut mud                      1180' mud &amp; gas cut water                      240' gas cut water  <u>Note:</u> Gas was non combustable.                      Electric logs indicated recovery was from Dakota.</p>
Lakota	6892	7066	<p><u>DST No. 3</u> No cushion used.                      Tool open 30 minutes &amp; 60 minutes                      Shut in periods 60 minutes &amp; 60 Minutes                      Initial flow pressures 175-311 psi                      Final flow pressures 361-569 psi                      Initial shut in pressure 1780 psi                      Final shut in pressure 1780 psi                      Recovery:                      1277' gas cut water</p>

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Niobrara Sh	5587	
Frontier Sd	6215	
Mowry Sh	6637	
Muddy Sd	6758	
Dakota Sd	6820	
Lakota Sd	6871	
Morrison	6940	

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