



**OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF COLORADO**

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

RECEIVED

SEP 1 - 1967

COLO. OIL & GAS CONS. COMM.

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. RESVR. Other _____

2. NAME OF OPERATOR
Cardinal Petroleum Company

3. ADDRESS OF OPERATOR
P. O. Box 1077, Billings, Montana

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface **2310 FS₁, 990 FWL of Section 12**
At top prod. interval reported below
At total depth **same**

14. PERMIT NO. **67 176** DATE ISSUED **8/15/67**
8/8/67

5. LEASE DESIGNATION AND SERIAL NO.
COLO. OIL & GAS CONS. COMM.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Huey et al

9. WELL NO.
1

10. FIELD AND POOL, OR WILDCAT
Wildcat

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec. 12-2N-57W

12. COUNTY OR PARISH
Morgan 13. STATE
Colorado

15. DATE SPUDDED **8/8/67** 16. DATE T.D. REACHED **8/15/67** 17. DATE COMPL. (Ready to prod.) **-** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) **4519 GL; 4524 KB** 19. ELEV. CASINGHEAD **-**

20. TOTAL DEPTH, MD & TVD **5615** 21. PLUG, BACK T.D., MD & TVD **-** 22. IF MULTIPLE COMPL., HOW MANY **-** 23. INTERVALS DRILLED BY **→** ROTARY TOOLS **0-TD** CABLE TOOLS **-**

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

26. TYPE ELECTRIC AND OTHER LOGS RUN
Lane Wells IES and Minilog 27. WAS WELL CORED
no

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	134 KB	12-1/4"	100 sacks	-

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Plug No. 1 - 15	sacks - 134'
Plug No. 2 - 10	sacks - surface

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO

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

35. LIST OF ATTACHMENTS

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

SIGNED Ray L. Harrison TITLE Exploration Manager DATE August 30, 1967

DVR	✓
FIP	✓
HMM	
JAM	
JJD	✓

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.
DST No. 1	5463'	5473'	('D" Sand) - Misrun
DST No. 2	5463'	5473'	('D" Sand)
			Pre-flow 30 min, shut in 30 min, open 1 hr, shut in 30 min. Tool opened with good blow which increased to fairly strong blow and remained steady throughout test. Recovered: 1585' (16.2 bbls) of brackish, heavily gas cut water.
	I FP - 105	IS IP - 1083	IHP - 2862
	FFP - 685	FS IP - 1072	FHP - 2848

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Niobrara	4687	
Ft. Hays	5007	
Carlile	5050	
Bentonite	5368	
'D" Sand	5462	
'J" Sand	5536	
Total Depth	5615	Dr r & Logger