

DEC 26 1973

05706084



DEPARTMENT OF NATURAL RESOURCES
THE STATE OF COLORADO

Application for Patented and Federal lands. Duplicate for State lands.
WELL COMPLETION DESIGNATION AND SERIAL NO.

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 Plug and Abandon

2. NAME OF OPERATOR
CITIES SERVICE OIL COMPANY

3. ADDRESS OF OPERATOR
1600 BROADWAY, SUITE 900, DENVER, COLORADO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 760' FNL - 1990' FEL
At top prod. interval reported below Same
At total depth Same

14. PERMIT NO. 73-768 DATE ISSUED 9-20-73

15. DATE SPUDDED 10-15-73 16. DATE T.D. REACHED 12-12-73 17. DATE COMPL. (Ready to prod.) 12-14-73 (Plug & Abd.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.) 8125 GR 19. ELEV. CASINGHEAD 8135

20. TOTAL DEPTH, MD & TVD 8884 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY 23. INTERVALS DRILLED BY TD ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) 25. WAS DIRECTIONAL SURVEY MADE Yes - to 8514'

26. TYPE ELECTRIC AND OTHER LOGS RUN Dual Induction; BHC-Sonic Gamma Ray Int.; Velo. 27. WAS WELL CORED YES NO (Submit analysis) 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
8 5/8"	24#	1090	12 1/4	730 sks - cmt. returns	

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

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

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 LOGS LISTED ABOVE WILL BE FORWARDED SEPARATELY.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED W. J. Moore TITLE Assistant Region Manager DATE 12-19-73

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.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Frontier	8106	8450	DST 8124' - 8232; O 10 min. (Strong Blow) SI 30, O 120 (GTS 11 min avg 88 MCFD) SI 180. 1st. flow IH 4450, IF 1478, FF 1581, FSI 3005 2nd. flow IF 1638, FF 2316, FSI 2800, FH 3866, Rec. 60' water & gas cut mud 90' water 5030' Heavy gas cut mud.	Pierre Niobrara Frontier Mowery Muddy Dakota Lakota Morrison	3550' 7421' 8106' 8450' 8550' 8600' 8660' 8695'	