

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

DEC 7 1981

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
Piedmont Exploration, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 9, Evans, Colorado 80620

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface **1980' fr NL; 660' fr WL (SW $\frac{1}{4}$ NW $\frac{1}{4}$)**
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
6. LEASE HINDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Doll Est.

9. WELL NO.
2

10. FIELD AND POOL, OR WILDCAT
Grail

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 14, T7N, R58W

12. COUNTY OR PARISH
Weld

13. STATE
Colo.

14. PERMIT NO. **81-789** DATE ISSUED **5-14-81**

15. DATE SPUDDED **5-12-81** 16. DATE T.D. REACHED **5-20-81** 17. DATE COMPL. (Ready to prod.) **7-1-81** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) **4795 Gr; 4805 KB** 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD **6387** 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY 23. INTERVALS DRILLED BY **0-6387** ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
6319-34 D Sand

25. WAS DIRECTIONAL SURVEY MADE
Yes 1° Max.

26. TYPE ELECTRIC AND OTHER LOGS RUN
Schl. Induction - SFL; FDC GR

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#	221' KB	12 1/4"	200 sx 2.4%	
4 1/2	10.5#	6646 KB	7 7/8"	225 sx 50-50 Poz	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	6369	

31. PERFORATION RECORD (Interval, size and number)

6319-24, 6329-34
3 1/8" DML
2/ft

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6319-34	750 gal 15% MCA
6319-34	Versagel 2400 Frac. 35,000#
20/40 sand, 35,000 gal gelled water, 2750 psi max., 18 BPM over injection rate	

33. PRODUCTION

DATE FIRST PRODUCTION **7-12-81** PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) **Pumping; 1 1/2" x 16' Norris insert** WELL STATUS (Producing or shut-in) **Producing**

DATE OF TEST **7-20-81** HOURS TESTED **24** CHOKES SIZE **1"** PROD'N. FOR TEST PERIOD **20** OIL—BBL. **65 MCF** GAS—MCF. **0** WATER—BBL. **0** GAS-OIL RATIO

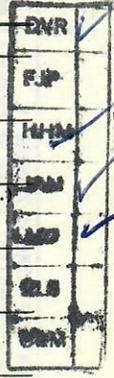
FLOW. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE **20** OIL—BBL. **38.6** GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.)

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

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 Dean L. Cummins TITLE President DATE 10-6-81



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.
D Sand	6289	6335	Sandstone, gray to white; very fine to medium grained; ang; silty at top becoming cleaner toward base; porosity in upper half very poor, improving downward; from 6325-35 porosity improves; some streaks medium grained with fair to good porosity; fair florescence, some visible staining, fair cut.
J Sand	6373	TD	Sandstone, white to tan; medium to coarse grained; fairly well rounded, friable, fair to good porosity, no florescence, no odor, no show, appears wet

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Hygiene	3132	
Niobrara	5580	
Fort Hays	5800	
Carlile	5841	
Greenhorn	5930	
X Bentonite	6184	
D Sand	6289	
Huntsman	6335	
J Sitt	6356	
J Sand	6373	
TD	6449	