

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

SF 078147A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

N/A

7. UNIT AGREEMENT NAME

N/A

8. FARM OR LEASE NAME

Horton Federal CB-13

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Basin Fruitland Coal

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

H, Sec. 13, T32N-R12W

12. COUNTY OR PARISH
San Juan

13. STATE
NM

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other ☐

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. CENVR. ☐ Other ☐

2. NAME OF OPERATOR
Emerald Gas Operating Company

3. ADDRESS OF OPERATOR
570 Turner Drive, Unit B, Durango, CO 81301

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

At surface 1837' FNL & 893' FEL

At top prod. interval reported below

At total depth Same

API # 30-045-28890

14. PERMIT NO. DATE ISSUED

15. DATE STUDDERED 12/14/92 16. DATE T.D. REACHED 01/08/93 17. DATE COMPL. (Ready to prod.) 1/29/93 18. ELEVATIONS (OF RMB, RT, OR, ETC.) 6468' GL 19. ELEV. CASINGHEAD 6484' KB

20. TOTAL DEPTH, MD & TVD 2945' MD 21. PLUG, BACK T.D., MD & TVD 2945' MD 22. IF MULTIPLE COMPL., HOW MANY* N/A 23. INTERVALS DRILLED BY ROTARY TOOLS All CABLE TOOLS --

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Fruitland Coals: 2828' - 2942' OH 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Mud Log/DI-CAL-GR/DN-FD-GR

27. WAS WELL CORED

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36.0#	333'	12 1/4"	225 SX Class 'B'	
7"	23.0#	2789'	8 3/4"	450 SX *	
* Lead: 250 sx 65/35 Pozmix w/6% gel, 10% salt: 6 1/4 # SK Gilsonite					
Tail: 200 sx Class 'B' w/3% salt, 6 1/4 #/sx Gilsonite & 0.25% TF-4					

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)
5 1/2"	2718	2943	Uncemented		2-7/8"	2771'

31. PERFORATION RECORD (Interval, size and number)

Open Hole Completion: 2789'-2945'
w/preperf'd liner: 2812-54', 2856-98',
2900-41'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2812-2941'	19,200# 40/70 Brady Sd +
260,800#	16/30 Brady sd in a N ₂ foam
frac of 1	232,000 scf screened out
w/128 of	184 bbls

PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12/10/93		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
1/24/93	1	3/8"	→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
	215	→		33-28	942	n/a	

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

Sold

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs previously submitted to State of New Mexico

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

SIGNED Bruce R. Rye TITLE Manager Development/Geology DATE 7/11/94

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

Title 16 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NM400D

FARMINGTON DISTRICT OFFICE

dv

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	MEAS. DEPTH	TRUE VERT. DEPT.
Ojo Alamo	1407'	1545'	Sandstone: Water	Ojo Alamo Kirtland Fruitland	1407' 1545' 2565'	1407' 1545' 2565'
Kirtland	1545'	2565'	Sandstone, silt & shale & water & some gas			
Fruitland	2565'	TD	Sands, Silts, Carbonaceous shales, coals: Gas & water			
Coal Zones:						
Upper	2828'	2841'	Coals: 2828-36', 2838-41'			
Middle	2858'	2869'	Coals: 2858-65', 2867-69'			
Basal	2893'	2937'	Coals: 2893-95', 2900-1918', 2921-26', 2929-37'			