

1160-4
(Rev. 1983)
(GPO 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-113
Expires August 31, 1990

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

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

3. NAME OF OPERATOR

McKenzie Methane Corporation

4. ADDRESS OF OPERATOR

1911 Main #255 Durango, CO 81301

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

At surface 1622 FNL, 908 FEL

At top prod. interval: reported below same

At total depth same

14. PERMIT NO.

DATE ISSUED

Sundry Approved 7/17/90

12. COUNTY OR PARISH

San Juan

13. STATE

NM

15. DATE SPUNDED

3/16/52

16. DATE T.D. REACHED

n/a

17. DATE COMPL. (Ready to prod.)

8/3/90 Recompleted

18. ELEVATION (BP, AKB, RT, OR, ETC.)*

6348 GR

19. ELEV. CASINGHEAD

6350

20. TOTAL DEPTH, MD & TVD

2302

21. PLUG, BACK T.D., MD & TVD

2186

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

n/a

CABLE TOOLS

n/a

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Fruitland Coal: 1948-2185'

25. WAS DIRECTIONAL SURVEY MADE

n/a

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR/CCL/CBL

27. WAS WELL CORDED

n/a

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"	38	110	n/a	cement with 90 sx	
5 1/2"	15.5	2202	n/a	cement with 150 sx	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	2111'	n/a

31. PERFORATION RECORD (Interval, size and number)

1/2", 4 SPF: 1948-50, 58-62, 2002-06, 2032-52, 58-63, 2140-44, 2169-85'.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1948-2063	34,000 Gals. foam, 27,000# sd
2140-2185	30,000 Gals. foam, 20,000# sd

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
WOPL		flowing				SI	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/14/90	24	1/2"	→		9048	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
67 psig	67 psig	→		377	0		

34. CHARACTERIZATION OF GAS (Bold, used for fuel, vented, etc.)

to be sold

TEST WITNESSED BY

ACCEPTED FOR RECORD

35. LIST OF ATTACHMENTS

NMOCD Fruitland Coal Test Requirements

OCT 22 1990

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

Signed: *R/S*

TITLE Operations Manager

FARMINGTON RESOURCE AREA

BY *[Signature]* DATE 10-17-90

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

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

NAME	TOP	
	MEAS. DEPTH	TRUE DEPTH
38.		

Fruitland Coal	1948'
Pictured Cliffs	2189'
Note: no open hole logs are available for this well.	

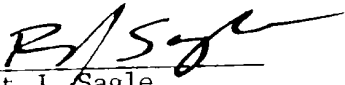
NMOCD FRUITLAND COAL TEST REQUIREMENTS
C.M. Morris #5

Test Date: 08/14/90

SITP/SICP: 225 Psig - Shut in 4 days

Final FCP/FTP: 67 Psig- 24 hours

Flow Rates: 377 MCFD, 0 BWPD, 0 BOPD
Stabilized Rate after 24 hours.
Measured flowing through $\frac{1}{2}$ " flow prover.
No separator was used since no fluids were present.
Gas was vented.


Robert J. Sagle
Operations Manager

McKENZIE METHANE CORPORATION
DAILY COMPLETION REPORT

7/30/90

C.M. MORRIS #5 (RECOMPLETION)

Sect. 15, T27N, R10W San Juan Co., N.M.

PBTD: 2280 TD: 2302

AART: Log Well

DAILY: Level location, Set and test anchors. MIRU, Triple P, rig #2. Blow well down, kill with fresh water. NDWH. Install rental flange. NUBOP. POOH with 2268 ft. of 1" line pipe. TIH with 4 3/4" bit and scraper on 2 3/8" tubing to depth of 2202. TOOH SDON.

7/31/90

C.M. MORRIS #5 (RECOMPLETION)

Sect. 15, T27N, R10W San Juan Co., N.M.

PBTD: 2186 TD: 2302

AART: Perforate lower coals

DAILY: Run GR/CNL from 2210 to 1500'. Run GR/CCL/CBL from 2210 to 1500'. Good cement across shoe and PC to 1500'. Set CIBP at 2188 and dump 1 sx cement on top. TIH with 5 1/2" PKR on 2 3/8" tubing. Set packer at 1610. PT CIBP and Csg below packer to 2500#. Pressure test casing above packer to 500#. Release packer. TOOH. SDON.

8/01/90

C.M. Morris #5 (RECOMPLETION)

Sect. 15, T27N, R10W San Juan County NM

PBTD: 2186' TD: 2302'

AART: Release PKR and POOH

DAILY: Cut off wellhead and install new. Perforate lower coals with 4" csg gun, 4 spf from 2140-44' and 2169-85'. TIH with 5 1/2" pkr on 2 7/8" tbg and set at 1613'. Frac well down tbg with 30,000 gals 70 Q nitrogen foam and 20,000 # 40/70 and 20/40 sand. Treated at 20 BPM and 2400 #. Max pressure 2560 #. Max sand concentration 1 PPG. Frac gradient .56. Flush to top perf and SD. SWI for 2 hours and flow back to pit through 1/2" tapped BP. SDON.

-continued-

MCKENZIE METHANE CORPORATION
DAILY COMPLETION REPORT

8/02/90

C.M. Morris #5 (Recompletion)

Sect. 15, T27N, R10W San Juan Co., NM

PBTD: 2186' TD: 2302'

AART: Release PKR and POOH

DAILY: Well blowing hard. Kill well, release pkr and TOOH. TIH with WL set RBP and set at 2110'. Perforate upper coals with 4" csg gun 4 SPF as follows: 1948-50, 1958-62, 2002-06, 2032-52, 2058-63. TIH with 5 1/2" PKR on 2 7/8" tbg and set at 1613'. Frac well down tbg with 34,000 gals 70 Q nitrogen foamed 20# gel and 27,000# 40/70 and 20/40 sand. Treated at 15 BPM at 2750 #. Max pressure 2860 #. Max sand concentration 1 PPG. Flush to top perf and SD. SWI for 2 hours and flow back to pit through 1/2" tapped BP. SDON.

8/03/90

C.M Morris #5 (Recompletion)

Sect. 15, T27N, R10W San Juan Co., NM

PBTD: 2186' TD: 2302'

AART: FWICU

DAILY: Release PKR and POOH. RIH with retrieving head on tbg and c/o to RBP with water. Release RBP and POOH leaving slips in hole. RIH with 2 3/8" tbg and SN 1 jt up. C/O to PBTD with foam, PU and land tbg at 2111'. NDBOP & NUWH. Kick well around with nitrogen and leave flowing to pit. RDMOSU. Final report.