

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)FOR APPROVED
OMB NO. 1004-0137
Expires: December 31, 1991

LEASE DESIGNATION AND SERIAL NO.

NM-43746

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

FEDERAL INVADER #1

9. API WELL NO.

30-039-23976

10. FIELD AND POOL, OR WILDCAT

Gavilan Mancos

Basin Fruitland Coal

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

D-1-24N-200

12. COUNTY OR
PARISH

Rio Arriba

13. STATE

NM

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 ☒ DUPL. RESVR. ☒ Other _____

2. NAME OF OPERATOR

NM&O Operating Company

3. ADDRESS AND TELEPHONE NO. (918) 584-3802

23 West 4th Street, #900 Tulsa, OK 74103

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

At surface 850' FWL and 1,040' FNL

At top prod. interval reported below

At total depth 850' FWL and 1,040' FNL

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR

PARISH

Rio Arriba

13. STATE

NM

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DP, RKB, RT, GE, ETC.)* 19. ELEV. CASINGHEAD

1/20/86

2/07/86

1/05/93

7,335 GR

7,335 GR

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 25. WAS DIRECTIONAL SURVEY MADE

8,104'

6,650'

Surf-TD

3,336'- 3,404'

YES

26. TYPE ELECTRIC AND OTHER LOGS RUN

IEL SDL, DSN & FIL

27. WAS WELL CORED

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
9 5/8	36# K-55	508'	12 1/4	265 sx 313ft ³ Glass	-0-
5 1/2	17# K-55	8,095	8 3/4	D 2% Salt, to Surface	
				Previously Submitted	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	3,417	

30. TUBING RECORD

31. PREPARATION RECORD (Interval, size and number)

3,336-50' 2 JSPF 90° Phasing
3,355-59' .46" Diameter
3,662-66'
3,370-72'
3,378-82'
3,390-3,404'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3,336-3,404'	250 gals 7 1/2% HCL FE
	1,270 BBLs Prod. Water
	& 41,000# 20/40 Sand

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)	
1/05/93		Pumping 2½ x 1½ x 10'			Unloading Water	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD. N. FOR TEST PERIOD	WATER-BBL.	GAS-OIL RATIO	
1/05/93	24	N/A	→	6	105	---
FLOW, TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--CF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
---	4#	→	---	6	105	---

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

Used for fuel and vented

35. LIST OF ATTACHMENTS

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

Chris Phillips

TITLE Vice President

DATE 1-29-93

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