

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved,
Budget Bureau No. 42-R355.5.**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

Northern Mineral, Inc.

3. ADDRESS OF OPERATOR

P. O. Box 2182; Santa Fe, New Mexico 87501

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

At surface

330' FNL 330' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

4/24/75

5. LEASE DESIGNATION AND SERIAL NO.

NM 12201

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Marcelina

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec 24, T16N, R10W

12. COUNTY OR PARISH

13. STATE

15. DATE SPUDDED

5/19/75

16. DATE T.D. REACHED

5/28/75

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DF, REB, RT, GR, ETC.)*

7164 GR

19. ELEV. CASINGHEAD

7164

20. TOTAL DEPTH, MD & TVD

1750

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

1750

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-1750

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

O.H. 1728 - 1750 Dakota "A" sand

25. WAS DIRECTIONAL SURVEY MADE

yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Century Geophysical SP-Gamma Ray- Resistivity

27. WAS WELL CORED

yes 845-70
897-907

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	20#	66	8 3/4"	25 sx Class "C" circulated	
4 3/4"	16#	1728	6 1/4"	95 sx Class "G"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8 EUE	1742	none

31. PERFORATION RECORD (Interval, size and number)

Open hole 1728-50 (27 feet)

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1728-50	330 gal 15% inhibited HCL-soak
1728-50	1000 Gal 28% HCL inhibited ahead of
	20,000 gal treated water (3% KCL)
	& 20,000 # 20-40 sd frac by Dowell

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
6/16/75	flowing	producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
	24	22/64"	→	70	35 EST	30	Est 1500-1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
20 PSIG	210 PSIG	→	70	35	30	46°	

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

vented - no nearby outlet for gas sales

TEST WITNESSED BY

Mark Weidler, Consultant
Geologist

35. LIST OF ATTACHMENTS

copy of Electric Log

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

SIGNED

Lloyd Davidson

TITLE President

DATE 6/23/75

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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			38. GEOLOGIC MARKERS	
TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH
		FORMATION TOPS		TOP
		Point Lookout -- Surface		
		Hosta ss ----- 247'		
		Dalton ss ----- 488'		
		Hospah ss ----- 776'		
		Massive Gallup-- 888'		
		L. Mancos sh ---1028'		
		Greenhorn ls ---1642'		
		Graneros sh ---1689'		
		Dakota "A" ss --1727'		
		(plus 6917)		
		(plus 6676)		
		(plus 6388)		
		(plus 6276)		
		(plus 6136)		
		(plus 5522)		
		(plus 5475)		
		(plus 5437)		