

# Northern Minerals, Inc.

TELEPHONE (505) 983-9689

LLOYD DAVIDSON  
*President*

P. O. Box 2182  
SANTA FE, NEW MEXICO 87501

January 10, 1975

New Mexico Oil Conservation Commission  
1000 Rio Brazos Road  
Aztec, New Mexico

Re: Northern Minerals, Inc.,  
No. 11 SEP-RR



Gentlemen:

This well was completed as an oil well on 5-23-74. Copies of form 103 and 105 and the November, 1974 form 115, all previously filed with the Commission, are attached.

Very truly yours,

Northern Minerals, Inc.

By: Lloyd Davidson  
Lloyd Davidson

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/>		7. Unit Agreement Name	
2. TYPE OF COMPLETION NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/>		8. Farm or Lease Name SFPRR	
3. Name of Operator Northern Minerals, Inc.		9. Well No. 11	
4. Address of Operator P. O. Box 2182, Santa Fe, New Mexico 87501		10. Field and Pool, or Wildcat Undesignated Gallup	
5. Location of Well UNIT LETTER <u>G</u> LOCATED <u>1660</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM <u>East</u> LINE OF SEC. <u>29</u> TWP. <u>16N</u> RGE. <u>6W</u> NMPM		12. County McKinley	
15. Date Spudded 5-1-74	16. Date T.D. Reached 5-12-74	17. Date Compl. (Ready to Prod.) 5-23-74	18. Elevations (DF, RKB, RT, GR, etc.) 6424 GL, 6429 RT
19. Elev. Casinghead 6425.5	20. Total Depth 3052'		
21. Plug Back T.D. 754'	22. If Multiple Compl., How Many		
23. Intervals Drilled By Rotary Tools All		24. Was Directional Survey Made No	
25. Producing Interval(s), of this completion - Top, Bottom, Name 738-751 Hospah-Gallup sandstone			
26. Type Electric and Other Logs Run SP, Gamma Ray, Single Point Resistivity			27. Was Well Cored Yes 730-50
28. CASING RECORD (Report all strings set in well)			
CASING SIZE 7"	WEIGHT LB./FT. 20	DEPTH SET 64'	HOLE SIZE 9-5/8"
4 1/2"	9.5	731'	6-1/4"
CEMENTING RECORD		AMOUNT PULLED	
12 Sacks - Circulated		None	
75 Sacks - Circulated		None	
29. LINER RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT
TUBING RECORD		SCREEN	
SIZE	DEPTH SET	PACKER SET	
2-3/8	744'		
31. Perforation Record (Interval, size and number)			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED	
OH 731-54		5,000 gal. lease crude & 4,000# 10-20 sand	
33. PRODUCTION			
Date First Production 5-21-74	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing		Well Status (Prod. or Shut-in) Producing
Date of Test 5/22-23/74	Hours Tested 27	Choke Size open	Prod'n. For Test Period
Oil - Bbl. 16	Gas - MCF 0	Water - Bbl. 48	Gas-Oil Ratio 0
Flow Tubing Press. 0	Casing Pressure 80 PSIG	Calculated 24-Hour Rate 14	Gas - MCF 0
Water - Bbl. 43	Oil Gravity - API (Corr.) 33	34. Disposition of Gas (Sold, used for fuel, vented, etc.) None produced	
Test Witnessed By Mark Weidler		35. List of Attachments	
36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.			
SIGNED Lloyd Davidson		TITLE President	
DATE 5-25-74			

# INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

## INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

### Southeastern New Mexico

### Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos <u>Surface</u>	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup <u>815'</u>	T. Ignacio Qizte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn <u>1623'</u>	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota <u>D" 1833'</u>	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison <u>2000'</u>	T. _____
T. Tubb _____	T. Granite _____	T. Todilto <u>2958'</u>	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada <u>3045'</u>	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

## FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	731	731	Upper Mancos Shale				
731	815	84	Hospah-Gallup Zone				
815	907	92	Massive Gallup sand				
907	1586	679	Lower Mancos Shale				
1586	1623	37	Greenhorn limestone				
1623	1660	37	Graneros Shale				
1660	1833	173	Dakota "A" & "B" zone				
1833	1938	105	Dakota "D" zone				
1938	2000	62	Dakota "E" zone				
2000	2850	850	Morrison				
2850	2958	108	Bluff sandstone				
2958	3045	87	Todilto limestone				
3045	3062	17	Entrada sandstone				

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LAND OFFICE	
OPERATOR	/

# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-55

## SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- <input type="checkbox"/>		5a. Indicate Type of Lease State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>	
2. Name of Operator Northern Minerals, Inc.		5. State Oil & Gas Lease No.	
3. Address of Operator P. O. Box 2182, Santa Fe, New Mexico 87501		7. Unit Agreement Name	
4. Location of Well UNIT LETTER <u>G</u> , <u>1660</u> FEET FROM THE <u>North</u> LINE AND <u>1650</u> FEET FROM THE <u>East</u> LINE, SECTION <u>29</u> TOWNSHIP <u>16N</u> RANGE <u>6W</u> NMPM.		8. Farm or Lease Name SFPRR	
		9. Well No. 11	
		10. Field and Pool, or Wildcat Undesignated Gallup	
15. Elevation (Show whether DF, RT, GR, etc.) 6424 GL, 6429 RT		12. County McKinley	



Check Appropriate Box To Indicate Nature of Notice, Report or Other Data  
NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐  
TEMPORARILY ABANDON ☐  
PULL OR ALTER CASING ☐

PLUG AND ABANDON ☐  
CHANGE PLANS ☐

OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐  
COMMENCE DRILLING OPNS. ☒  
CASING TEST AND CEMENT JOBS ☒

ALTERING CASING ☐  
PLUG AND ABANDONMENT ☐

OTHER Plugging Back ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Well spudded 5-1-74. Set 64' of 7" surface casing with 12 sacks cement. Drilled to TD of 3062' in Entrada sandstone. TD reached 5-12-74. Ran E-Log and Gamma Ray. DST 3009' to 3062'. Recovered 2770' water. Cores were taken in Hospah-Gallup sandstone 730'-750', Todilto limestone 3022'-2042' and Todilto-Entrada 3042'-3062'. On 5-14-74 cement plugs were spotted as follows: 50' on bottom from 3012' to 3062', plug across Dakota "D" from 1780' to 1880' and from 920' to surface with 175 sacks. WOC 24 hours. 5-15-74 drilled out cement plug to 754'. 5-16-74 ran and cemented 24 joints (731') of 4½", 9.5# casing with 75 sacks cement. WOC 48 hours. 5-18-74 Drilled out plug and worked to bottom. 5-19-74 fracture treated open hole 731' to 754' with 5,000 gal lease crude and 4,000# 10-20 mesh sand. Back flowed load oil to tank truck. 5-21-74 hooked up flow lines and flowed well to tanks. SICP 180 PSI. FCP 80#. Took potential test from 2 P. M 5-22-74 to 5 P. M. 5-23-74 (27 hours). Flowed 16 barrels oil and 48 barrels water. Well completed flowing 5-23-74.

18. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Francis Davidson TITLE President DATE 5-25-74  
APPROVED BY Cecilia Alvarado TITLE Secretary DATE MAY 26 1974  
CONDITIONS OF APPROVAL, IF ANY: