

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.O.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease	
State ☐	Fee ☒
5. State Oil & Gas Lease No.	

1a. TYPE OF WELL		OIL WELL ☒		GAS WELL ☐		DRY ☐		OTHER <u>P & A 6-14-82</u>							
b. TYPE OF COMPLETION		NEW WELL ☒		WORK OVER ☐		DEEPEN ☐		PLUG BACK ☐		DIFF. RESVR. ☐		OTHER <u>P & A 6-14-82</u>			
2. Name of Operator <u>Natural Resource Management Corporation</u>												7. Unit Agreement Name			
3. Address of Operator <u>600 W. Illinois, Suite 800 Midland, Texas 79701</u>												8. Farm or Lease Name <u>Southard</u>			
4. Location of Well												9. Well No. <u>1</u>			
UNIT LETTER <u>F</u> LOCATED <u>1980</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM												10. Field and Pool, or Wildcat <u>Undesignated San Andres</u>			
THE <u>West</u> LINE OF SEC. <u>18</u> TWP. <u>7S</u> RGE. <u>32E</u> NMPM												12. County <u>Roosevelt</u>			
15. Date Spudded <u>10-9-81</u>		16. Date T.D. Reached <u>10-26-81</u>		17. Date Compl. (Ready to Prod.) <u>1-8-82</u>		18. Elevations (DF, RKB, RT, GR, etc.) <u>4423.4 GR</u>		19. Elev. Casinghead <u>4423.4 GR</u>							
20. Total Depth <u>4256'</u>		21. Plug Back T.D. <u>4226'</u>		22. If Multiple Compl., How Many		23. Intervals Drilled By <u>Rotary Tools</u>		Cable Tools		25. Was Directional Survey Made <u>No</u>					
24. Producing Interval(s), of this completion - Top, Bottom, Name <u>4155' - 4222' San Andres</u>												27. Was Well Cored <u>Yes</u>			
26. Type Electric and Other Logs Run <u>DLL/MLL/GR, SWN/GR, GR/N</u>															
28. CASING RECORD (Report all strings set in well)															
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED					
8 5/8"		24#		1612'		12 1/4"		450 sx HOWCO Lite +200 C1 C		None					
4 1/2"		10.50#		4228'		7 7/8"		700 sx HOWCO Lite +275 sx C1 C 50/50 poz		None					
29. LINER RECORD														30. TUBING RECORD	
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET	
										2 3/8"		4210'		None	
31. Perforation Record (Interval, size and number) <u>4155' - 4222' (24 holes)</u>										32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
										DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
										4155'-4222'		Acidized w/2000 gals 15% CRA			
										4155'-4222'		Acidized w/500 gals 28% HCL.			
												7500 gals 20% CRA w/300 gals			
												Wes-pad A #1 100 Mesh sd/gal			
33. PRODUCTION in 4 stages															
Date First Production <u>1-9-82</u>		Production Method (Flowing, gas lift, pumping - Size and type pump) <u>Pumping</u>								Well Status (Prod. or Shut-in) <u>P & A</u>					
Date of Test <u>1-12-82</u>		Hours Tested <u>24</u>		Choke Size <u>-----</u>		Prod'n. For Test Period <u>-----</u>		Oil - Bbl. <u>3</u>		Gas - MCF <u>TSTM</u>		Water - Bbl. <u>82</u>		Gas - Oil Ratio <u>-----</u>	
Flow Tubing Press. <u>-----</u>		Casing Pressure <u>20#</u>		Calculated 24-Hour Rate <u>-----</u>		Oil - Bbl. <u>3</u>		Gas - MCF <u>TSTM</u>		Water - Bbl. <u>82</u>		Oil Gravity - API (Corr.) <u>24°</u>			
34. Disposition of Gas (Sold, used for fuel, vented, etc.) <u>Vented & Flared</u>												Test Witnessed By			
35. List of Attachments <u>Logs Listed above & deviation survey</u>															
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 <u>Mary Douglas</u> TITLE <u>Production Analyst</u> DATE <u>3-19-86</u>															

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division 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 radioactivity 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, Zones 30 through 34 shall be reported for each zone. The form is to be filed in quadruplicate 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 1630 (+2797)	T. Canyon	T. Ojo Alamo	T. Penn. "B"
T. Salt 1827 (+2600)	T. Strawn	T. Kirtland-Fruitland	T. Penn. "C"
T. Salt 2110 (+2317)	T. Atoka	T. Pictured Cliffs	T. Penn. "D"
T. Yates 2110 (+2317)	T. Miss	T. Cliff House	T. Leadville
T. 7 Rivers 2276 (+2151)	T. Devonian	T. Menard	T. Madison
T. Queen 2810 (+1617)	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg 3027 (+1400)	T. Montoya	T. Mancos	T. McCracken
T. San Andres 3268 (+1159)	T. Simpson	T. Gallup	T. Ignacio Qtzite
T. Glorieta	T. McKee	Base Greenhorn	T. Granite
T. Peddock	T. Ellenburger	T. Dakota	T.
T. Blinberry	T. Gr. Wash	T. Morrison	T.
T. Tubbs	T. Granite	T. Todile	T.
T. Drinkard	T. Delaware Sand	T. Entrada	T.
T. Abo	T. Bone Springs	T. Wingate	T.
T. Wolfcamp	T.	T. Chinle	T.
T. Penn.	T.	T. Permian	T.
T. Cisco (Group C)	T.	T. Penn. "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from 4150 to 4185	No. 4, from to
No. 2, from 4197 to 4226	No. 5, from to
No. 3, from to	No. 6, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet
No. 2, from to feet
No. 3, from to feet
No. 4, from to feet

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	130	130	Surface				
100	490	390	Redbed				
490	630	140	Anhydrite				
630	1421	791	Redbed & Anhydrite & Salt				
1421	1827	406	Redbed & Anhydrite & Salt				
1827	2110	283	Salt				
2110	2800	690	Redbed & Salt				
2800	3268	468	Anhydrite, Red Shale, Sand				
3268	4216	948	Dolomite & Anhydrite				

HOEBS
MAR 20 1986
RECEIVED



Natural Resource Management Corporation

600 W. Illinois Suite 800 Midland, Texas 79701 915/684-7871

March 19, 1986

DEVIATION SURVEY TABULATION

SOUTHARD #1 WELL
ROOSEVELT COUNTY, NEW MEXICO

3/4 degrees @ 1317'

3/4 degrees @ 1615'

1/2 degrees @ 2750'

1 degrees @ 4130'

I, Cecil Tucker, certify that the above is a true
and correct report.

By

Title Operations Manager

STATE OF TEXAS

COUNTY OF MIDLAND

Before me, the undersigned authority, on this day personally appeared Cecil Tucker known to me to be the person whose name is subscribed to the above instrument, who being duly sworn states that he is authorized to make this report and has knowledge of the facts stated herein and that said report is true and correct. Subscribed and sworn to before me this 19th day of March, 19 86. My Commission expires 3-12-89. Notary Public in and for The State of Texas.

Mary Douglas

RECEIVED
MAR 20 1986
O.C.D.
HOBBS OFFICE