

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.G.S.	
LAND OFFICE	
OPERATOR	

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
E-9055-16

1a. TYPE OF WELL
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name
8. Farm or Lease Name
Thirlaway

2. Name of Operator
T. H. McELVAIN OIL & GAS PROPERTIES

9. Well No.
#1

3. Address of Operator
Post Office Box 2148, Santa Fe, New Mexico 87504-2148

10. Field and Pool, or Wildcat
Escrito Gallup

4. Location of Well
UNIT LETTER G LOCATED 1585 FEET FROM THE North LINE AND 1925 FEET FROM THE East

12. County
Rio Arriba

THE East LINE OF SEC. 36 TWP. 24N RGE. 7W NMPM

15. Date Spudded 11-08-87 16. Date T.D. Reached 11-15-87 17. Date Compl. (Ready to Prod.) 12-29-87 18. Elevations (DF, RKB, RT, GR, etc.) 6710 GL 19. Elev. Casinghead 6712

20. Total Depth 5600' 21. Plug Back T.D. 5545' 22. If Multiple Compl., How Many NA 23. Intervals Drilled By Rotary Tools 0-5600' Cable Tools

24. Producing Interval(s), of this completion - Top, Bottom, Name
Skelly sd 5273-81
Mayre 5393-5470 25. Was Directional Surve. Made Yes--Totco

26. Type Electric and Other Logs Run DIL-SFL-GR-CAL-FDC, GR-CBL-CCL 27. Was Well Cored No

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"	20# H-40 ST&C	265	12 - 1/4"	250 sks(295 ft ³) Class B + 2% CaCl & 1/4#/sk Celoflake	None
4 - 1/2"	10.5# J-55	5604	7 - 7/8"	2 stage - see attached	None
	LT&C				

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 - 3/8"	5239	None

31. Perforation Record (Interval, size and number)
5464 - 70 12 holes
5436 - 52 12 holes
5398 - 5422 12 holes
5273 - 81 12 holes
All holes .42" diameter

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL 5273-5470 AMOUNT IN KILS MATERIAL USED See attached sheet

RECEIVED
JAN 21 1983

33. PRODUCTION
Date First Production 12-26-87 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Producing
Date of Test 12-29-87 Hours Tested 24 Choke Size 64/64 Prod'n. For Test Period Oil - Bbl. 68 Gas - MCF 125 Water - Bbl. 40* Gas-Oil Ratio 1838
Flow Tubing Press. 120 psi Casing Pressure 600 psi Calculated 24-Hour Rate Oil - Bbl. 68 Gas - MCF 125 Water - Bbl. 40* Oil Gravity - API (Corr.) 42

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented - to be sold, building pipeline Test Witnessed By Joe Elledge

35. List of Attachments
Supplements to Sections 28 & 32 *frac water

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 George B. Broome TITLE Geological Engineer DATE 01-14-88

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 formation 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 _____ 1460	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____ 1580	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. F ictured Cliffs _____ 1915	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____ 3457	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____ 3500	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____ 4222	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____ 4349	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. G allup _____ 5062	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. *Fruitland 1754
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. **Lewis 2007
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. Charra 2443
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. ***Skelly 5273
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. Mayre 5393

OIL OR GAS SANDS OR ZONES

No. 1, from _____ 5273 _____ to _____ 5281 _____	No. 4, from _____ 5464 _____ to _____ 5470 _____
No. 2, from _____ 5398 _____ to _____ 5422 _____	No. 5, from _____ to _____
No. 3, from _____ 5436 _____ to _____ 5452 _____	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 Mud Log)	From	To	Thickness in Feet	Formation
4500	4758	258	Shale				
4758	4772	14	Sd & Shale				
4772	4942	170	Shale w/ sd stringers				
4942	4950	8	Sand				
4950	5270	320	Shale s/ sd stringers				
5270	5280	10	Sand				
5280	5394	114	Shale w/ sd stringers				
5394	5412	18	Sand				
5412	5458	46	Sand and Shale				
5458	5470	12	Sand				
5470	5600	130	Shale				

Attachment to Form C-105
Well Completion Report for
Thirlaway #1, SW/4 NE/4
Sec 36-T24N-R7W
Rio Arriba County, New Mexico

#28 Casing Record/Cementing Record

4½" production casing was 2 stage cemented as follows:
Float Collar @ 5561'KB. Stage tool @ 2282'KB.

1st Stage: 10 bbls of Viscofix, 10 bbls water and 600 sks (834 cu ft)
50/50 Pozmix + 2% gel + 6½#/sk gilsonite and 6#/sk salt at 14 ppg. Plug
down at 12:30 AM 11-17-87 w/ 1500 psi. Float held.

2nd Stage: 10 bbls mud flush and 300 sks (802 cu ft) 65/35 Pozmix + 12%
gel + 6½#/sk gilsonite. Tailed in with 50 sks (59 cu ft) Class "B" neat
cement. Plug down w/ 2500 psi at 4:15 AM 11-17-87. Tool closed & held.
Set slips w/ 40 K indicated.

#32 Ran packer and RBP to isolate perforations and acidize as follows:

Stage	Interval	Acid (Gallons)	ISIP (psi)
1	5464-5470	70	800
2	5436-5452	200	1000
3	5398-5422	280	1200
4	5273-5281	150	950

All acid was 15% HCl NE containing 12-7/8" ball sealers/stage.

Frac'd all perforations w/ 122,649 gal 3% KCl water containing 1 gal/1000
surfactant and carrying 150,000 lbs 20-40 sand. ATR - 60 BPM. ATP -
3300 psi. ISIP - 1350 psi. 15 min SIP - 1100 psi.