District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator Name and Address	[2] OGRID Number
McElvain Oil & Gas Properties, Inc. P.O. Box 2148 Santa Fe, NM 87504-2148	22044
	[3] API Number: 30 - 039-24117

[4] Property Code	[5] Property Name	[6] Well No.
6661	FD	001

[7] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	1	25N	3W		2840	North	950	East	Rio Arriba

[8] Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

[9] Proposed Pool 1	[10] Proposed Pool 2
Blanco Mesaverde	

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
P	G	C	P	7347 KB
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
No	6000	MV		

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
No change - This is a plug back. See attached C-105					

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[22] Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

This existing completion (West Lindrith Gallup-Dakota) will be squeeze cemented below a cement retainer. The Mesaverde will be selectively perforated, tested and fractured if warranted. See attached procedures.

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: Anna M. Greigo
Printed name: Anna M. Greigo
Title: Expl. & Prod. Administrator
Date: July 22, 1996
Phone: 505-982-1935X113

OIL CONSERVATION DIVISION

Approved by: Ernie Busch
Title: DEPUTY OIL & GAS INSPECTOR, DIST. #3
Approval Date: AUG 13 1996
Expiration Date: AUG 13 1997
Conditions of Approval: Hold C-104 for NSL & see MV
Attached ☒ Recomp & P&A Procedures attached. If P&A notify Johnny Robinson in time to witness

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code	³ Pool Name
30-039-24117	72319	Blanco Mesaverde

⁴ Property Code	⁵ Property Name	⁶ Well Number
6661	FD	001

⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
22044	McElvain Oil & Gas Properties, Inc.	7347' KB

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	1	25N	3W		2840	North	950	East	Rio Arriba

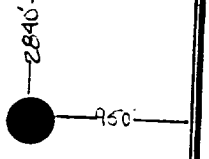
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
391.92	N		

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



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DIST. 3

¹⁷ OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Anna M. Griego
Signature

Anna M. Griego
Printed Name

Expl. & Prod. Administrator
Title

July 22, 1996
Date

¹⁸ SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyer:

Certificate Number

Mesaverde Recompletion Procedure
FD No. 1

1. Move in and rig up pulling unit.
2. Unseat pump and hot oil well.
3. Pull and lay down rods and pump.
4. Remove tree and install BOP.
5. Pull 2 3/8" tubing. Tubing anchor set at 7287' with 12,000 lbs tension.
6. Run 4 3/4" bit and 5 ½" casing scraper to COTD at 8256' and circulate hole.
7. Run cement retainer on tubing and set at 8,000'±.
8. Squeeze cement Dakota perforations with 35 sacks of cement.
   [(8255' - 8000') × 0.1336 ft^3/ft = 34 ft^3 ÷ 1.18 = 29 sks]
9. Run cement retainer on tubing and set at 6775'±.
10. Squeeze cement Gallup perforations with 90 sacks. 7504' - 6672' 50' above Gallup Top
    [(6775' - 7504') × 0.1336 ft^3/ft = 97.4 ft^3 ÷ 1.18 = 82.5 sks]
11. Run GR, CBL & CCL from 6400' to 5400'.
12. Run a thru-casing formation evaluation log from 6150' to 5650'.
13. Perforate intervals based on information obtained from formation evaluation logs.
14. Break down perfs with 500 gallons 15% HCl.
15. Run packer on 2 3/8" tubing and set packer above perfs.
16. Swab test perfs. Check annulus for vacuum.
17. If perforations produce gas or no water, frac Mesaverde and put well on production.
18. If Mesaverde is wet, proceed to P&A well.

Plug and Abandon Procedure
FD No. 1

1. Move in and rig up pulling unit.
2. Unseat pump and hot oil well.
3. Pull and lay down rods and pump.
4. Remove tree and install BOP.
5. Pull 2 3/8" tubing. Tubing anchor set at 7287' with 12,000 lbs tension.
6. Run 4 3/4" bit and 5 ½" casing scraper to COTD at 8256' and circulate hole.
7. Run cement retainer on tubing and set at 8,000'±.
8. Squeeze cement Dakota perforations with 35 sacks of cement.
   [(8255' - 8000') × 0.1336 ft³/ft = 34 ft³ ÷ 1.18 = 29 sks]
9. Run cement retainer on tubing and set at 6775'±.
10. Squeeze cement Gallup perforations with 90 sacks.
    [(6775' - 7504') × 0.1336 ft³/ft = 97.4 ft³ ÷ 1.18 = 82.5 sks]

    7504' - 6672'
    50' above Gallup Top
11. Spot a 25 sack cement plug at 5400' (top of Mesaverde).
12. Spot a 25 sack cement plug at 3700' (top of Fruitland).

    Spot Cement 50' below & 50' above to 50' above 3687' - 3538'
    100' Cement Plug
    from 1950' - 1850'
    Isolate Nacimiento
    from San Jose
13. Spot a 25 sack cement plug across the surface casing shoe at 210'.
14. Cut off casinghead and install surface plug and P&A marker.
15. Remove surface equipment and rehab location.

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OPERATOR		

L CONSERVATION DIVISIOI

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

1c. TYPE OF WELL

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER

7. Unit Agreement Name

8. Farm or Lease Name: FD

2. Name of Operator: T. H. McElvain Oil & Gas Properties

9. Well No.: 1

3. Address of Operator: P. O. Box 2148, Santa Fe, NM 87504-2148

10. Field and Pool, or Wildcat: Ojito Gallup-Dakota

4. Location of Well

UNIT LETTER H LOCATED 2840 FEET FROM THE North LINE AND 950 FEET FROM THE East LINE OF SEC. 1 TWP. 25N RGE. 3W NMPM

12. County: Rio Arriba

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
5-22-87	6-3-87	7-25-87	7347 KB	7336

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
8350	8330	N/A	→	0-8350	

24. Producing Interval(s), of this completion — Top, Bottom, Name

Gallup 6820-7504
Dakota 8065-8227

25. Was Directional Survey Made: Yes

26. Type Electric and Other Logs Run

DIL-SFL-CAL-GR-SP, FDC-CNL, BHTV, 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
9 5/8"	36#, K-55	210	12¼"	236 cu ft.(200 sks)Class B+2%CaCl	
5½"	17# N-80	8342	8 3/4"-5521	2750 cu ft (see attachment)	
	17# K-55		7 7/8" to TD		
	15.5# J-55				

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 7/8"	7508	

Cast iron bridge plug-7600'

31. Perforation Record (Interval, size and number)

065, 8067, 8076, 8078, 8127, 8129, 8169, 8170,
14-27, .42" dia, 22 holes total for Dakota.

See Attachment for Gallup perfs.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
8065-8227	1100 gal 15% HCL + 30 balls
	Frac w/89964 gal x-link 30 lb
	gelled 2% KCL wtr+87,172# 20/40
	sd.(see attachment for Gallup)

PRODUCTION

First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
-5-87	Pumping 2½" x 1½" x 16' x 18' x 20' RHAC	Prod.

of Test	Hours Tested	Choke Size	Prod'n. For Test Period →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas — Oil Ratio
6-87	12	64/64th		30	25	*75	

Tubing Press.	Casing Pressure	Calculated 24-Hour Rate →	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
psi	150 psi		60	50	*150	

Disposition of Gas (Sold, used for fuel, vented, etc.)

ted-will be sold

Test Witnessed By: Joe Elledge

List of Attachments

plement for Sections 28, 31 & 32 *frac water

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 8-6-87

Attachment to Form C-105
Well Completion Report for
the FD #1, SE/4 NE/4 Sec 1-25N-3W
Rio Arriba County, New Mexico

#28 Casing Record/Cementing Record
5½" production casing was three stage cemented as follows:

1st Stage: 350 sks (494 cu ft) 50-50 posmix + 2% gel + 10% salt and 6¼ lbs/sk gilsonite preceded by 20 bbls CW7.

2nd Stage: 550 sks (1012 cu ft) 65-35 posmix + 3% gel + 10% salt + 10% Cal seal & 12½ lbs/sk gilsonite. Tailed in w/60 sks (70 cu ft) Class B neat.

3rd Stage: 600 sks (1104 cu ft) 65-35 posmix + 6% gel + ¼ lb/sk cel-o-flake & tailed in w/ 60 sks (70 cu ft) Class B neat. Full returns, circulated 25 bbls good cement to the pit. Final plug down at 9:46 PM on 6-5-87. Set slips w/100,000 psi, released rig.

#31 Perforation Record
Gallup perfs:

Lower:	7504-7476	1 JS/4 ft.
	7338-7270	1 JS/4 ft.
	7270-7180	1 JS/2 ft.
	7180-7064	1 JS/4 ft.
	.42 dia, total 102 holes.	
Upper:	7050-6820	1 JS/2 ft.
	.42 dia, total 116 holes	

#32 Acid, Shot, Fracture, Cement Squeeze, etc.

4882-5071 Squeezed through retainer @ 4815 KB as follows: 201 cu ft (170 sks) Class B cement w/ 0.6% fluid loss additive.

7064-7504 Acidized w/ 3000 gal 15% HCL and 200 balls. Frac w/135,754 gal 40# gelled 2% KCL water and 111,500 lbs 20/40 mesh sd. Screened off leaving 8232 lbs sd in csg.

6820-7050 Acidized w/ 3000 gal 15% HCL and 200 balls. Frac w/ 61,194 gal 40# gelled 2% KCL water. Lost blender before starting sand. Re-fraced w/71,000 gal 40# gelled 2% KCL & 11,000# 20/40 mesh sd. Screened out w/ 9000# in fm. Re-fraced w/ 24,400 gal 40# gelled 2% KCL & screened off w/ 4500 # of 20/40 sd in fm. Re-fraced w/ 30,000 gal 50# x-linked 1% KCL & 30,114 gal 30# x-linked 2% KCL water and 25,120 lbs 20/40 mesh sand. Screened out leaving 7120# sand in casing. Total of fracs in Upper Gallup: 216,708 gal gelled KCL & 31,500# of 20/40 mesh sand.