

State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division

Sundry Notices and Reports on Wells

1. Type of Well
GAS

2. Name of Operator
MERIDIAN OIL

3. Address & Phone No. of Operator
PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M
1650'FSL, 1650'FEL, Sec.3, T-29-N, R-12-W, NMPM, San Juan County

API # (assigned by OCD)
30-045-08709

5. Lease Number
Fee

6. State Oil&Gas Lease #

7. Lease Name/Unit Name
McGrath

8. Well No.
3

9. Pool Name or Wildcat
Basin Fruitland Coal/
Fulcher Kutz Pict.Cliffs

10. Elevation:

Type of Submission

☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment

Type of Action

☐ Abandonment
☒ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other -
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to recomplete the subject well in the Fruitland Coal zone and commingle with the Pictured Cliffs zone, according to the attached procedure and wellbore diagram. Application for commingling has been made with the New Mexico Oil Conservation Division.

RECEIVED
DEC 28 1994

OIL CON. DIV.
DIST. 3

SIGNATURE *[Signature]* (LJB2) Regulatory Affairs December 27, 1994

(This space for State Use)
Approved by *[Signature]* Title DEPUTY OIL & GAS INSPECTOR, DIST. 3 Date JAN 05 1995

K-10289

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
P.O. 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-10:
Revised February 21, 1990
Instructions on back
Submit to Appropriate District Office:
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-08709		Pool Code 71629/77200	Pool Name Basin Fruitland Coal/Fulcher Kutz Pictured Cliffs	
Property Code 10548	Property Name McGrath			Well Number 3
OGRID No. 21281	Operator Name SOUTHLAND ROYALTY COMPANY			Elevation 5845'

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
J	3	29N	12W		1650	South	1650	East	S.J.

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 160-E/319.86	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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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 Not resurveyed, prepared from a plat dated 11-21-80 by O. Van Ryan.		

¹⁷ OPERATOR CERTIFICATION

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

Signature
Peggy Bradfield
Printed Name
Regulatory Affairs
Title
12-27-94
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.

12-23-94
Date of Survey
Signature and Seal of Professional Surveyor:

Certificate Number

Pertinent Data Sheet - McGrath #3

Location: 1650' FSL, 1650' FEL, Unit J, Section 03, T29N, R12W, San Juan County, New Mexico

Field: Fulcher Kutz Pictured Cliffs

Elevation: 5845' GR

TD: 2040'

PBTD: 2040'

Completed: 04-08-45

Spud Date: 03-04-45

DP #: 46577

Casing Record:

<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>	<u>Cement</u>	<u>Top/Cement</u>
15"	13 3/8"		675'	2 sxs Mud	
10"	8 5/8"		1460'	4 sxs Mud	
8"	5 1/2"	14.0#	1928'	58 sxs	
	3 1/2"	7.7#	2011'	110 sxs	Circ/Surface

Tubing Record:

<u>Tbg Size</u>	<u>Wt. & Grade</u>	<u>Depth Set</u>
1"		1894'

Formation Tops:

Ojo Alamo:	574'	Fruitland Coal:	1572'
Kirtland:	679'	Pictured Cliffs:	1928'

Logging Record:

Stimulation:

Workover History:

08/53: Pull 1" tbg. Tbg separated. Fish tbg. Bailed hole dry. Ran 1" tbg. Set @ 1984'

12/64: Pull 1" tbg. Ran 3 1/2" csg. Set @ 2011'. Cmt w/110 sxs. Sqz 20 sxs through hole in Fruitland zone. Perf'd @ 1922' to 1937' w/2 SPF. Frac'd w/10,000# 20/40 sand. 10,000# 10/20 sand & 15,750 gal water. Ran 1" tbg. Set @ 1894'.

Production History:

Transporter: Southern Union Gathering

McGRATH #3
SE/4 Section 3 T29N R12W
Recommended Completion Procedure

1. Test rig anchors and repair if necessary. Install 1-400 bbl frac tank on location and fill with 2% KCl water. Filter all water to 25 microns. Heat water as required by weather.
2. MOL and RU. Comply to all NMOCD, BLM and MOI rules and regulations. Hold safety meeting. ND wellhead. NU BOP. Test operation of rams. NU two relief lines.
3. TOOH laying down 1894' of 1" tubing, tally and inspect.
4. TIH with 1-13/16" Homco Slimline tubing, 3-1/2" casing scraper and 2-7/8" bit and clean out to casing shoe at 2011'. TOOH.
5. TIH with 1-13/16" Homco Slimline tubing, 3-1/2" packer and set at 1919'. Pump 600 gal of 15% HCl, using 500 scf N2/bbl. Job will be pumped at 3 to 4 bbls/min. Shut in for 1 hour. Flow to pit and check for spent acid. **Take Pitot gauge.** TOOH.
6. RIH and wireline set 3-1/2" CIBP at 1919'. Load hole with 2% KCl water.
7. RU and RIH with CNL-CCL-GR and log from 1919' to surface.
8. Run CBL from CIBP at 1919' to surface. If CBL appears inadequate, re-run log with 500 psi surface pressure. If bond still appears unacceptable, contact production engineering. Send copy of CBL to production engineering and drilling.

***** LOWER COAL *****

9. RU hydraulic tree saver and load hole with 2% KCl water and test CIBP and casing to 3500 psi for 15 minutes.
10. RU wireline and perforate the following coal interval with a 2-1/2 RTG with 11.0 gram charges, 0.33 holes at 2 SPF (correlate depths to CNL-CCL-GR log). Prior to perforating, review with production engineering.

1872' - 1876'

1886' - 1912'

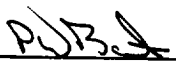
Total: 30 feet - 60 holes.

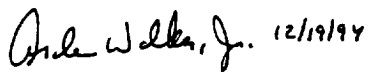
11. RU hydraulic tree saver.
12. RU treatment company for frac. Hold safety meeting with all personnel. Pressure test surface lines to 5000 psi. Fracture treat procedure will be available prior to treatment. Tag sand with 0.4 mCi/1000# of Ir-192 tracer. Flush with 16 bbls of 2% KCl water. **MAXIMUM PRESSURE IS LIMITED TO 3500 PSI!** Monitor braden head pressures during frac. Monitor bottomhole and surface treating pressure, rate, foam quality and sand concentration with computer van. Frac during daylight **only**.

McGRATH #3
SE/4 Section 3 T29N R12W
Recommended Completion Procedure
Page 2

13. SI well for 1 hours for gel break.
14. After gel break, open well through choke manifold and monitor flow. Flow at 20 bbls/hr, or less if sand is observed. RD hydraulic tree saver.
15. TIH with notched collar on 1-13/16" Homco Slimline tubing and clean out to 1919' until sand flow stops. Take Pitot gauge. TOOH.
16. RU wireline and run After - Frac log from 1919' to top of tracer activity.
17. TIH with 1899' of 1-1/2" IJ tubing with standard seating nipple one joint off bottom and pump-off plug on bottom. Land tubing string.
18. ND BOP and NU independent wellhead. Pump off plug. Take final Pitot gauge. Rig down and release rig.
19. Will move back on location and drill CIBP set at 1919' when appropriate regulatory approval is received.

Approve:



P. W. Bent


VENDORS:

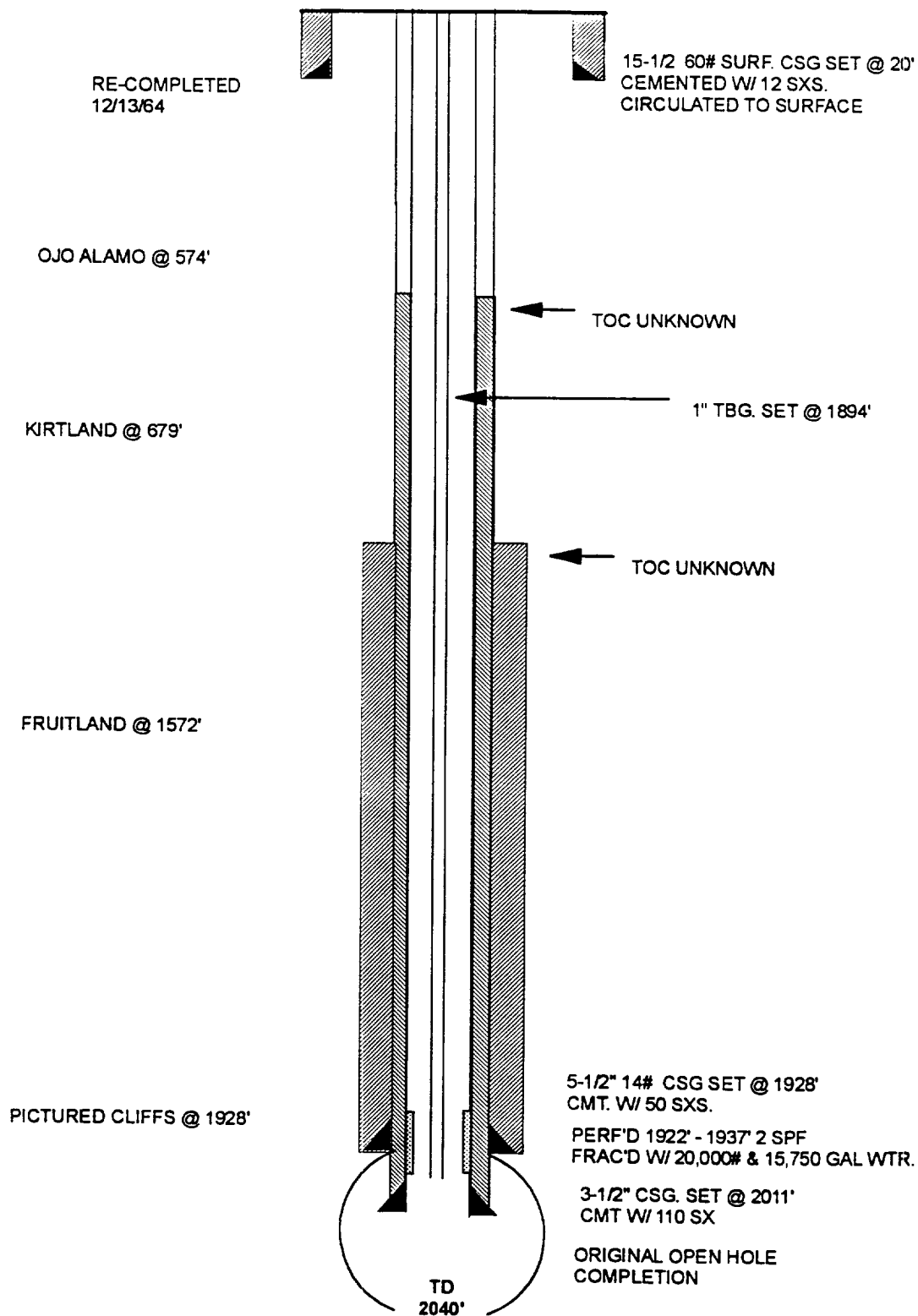
Wireline:	Petro	325-6669
Fracturing:	Western	327-6222
R.A. Tagging:	Protechnics	326-7133
Tools:	Schlumberger	325-5006
Production Engineer:	Office	326-9703
	Home	326-2381

LJB

McGRATH #3

CURRENT
FULCHER-KUTZ PICTURED CLIFFS

UNIT J, SEC 3, T29N, R12W, SAN JUAN COUNTY, NM



McGRATH #3

PROPOSED
FULCHER-KUTZ PICTURED CLIFFS/ FTC COMINGLE
UNIT J, SEC 3, T29N, R12W, SAN JUAN COUNTY, NM

