

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well  
GAS

2. Name of Operator

**BURLINGTON  
RESOURCES**

OIL & GAS COMPANY

3. Address & Phone No. of Operator

PO Box 4289, Farmington, NM 87499 (505) 326-9700

4. Location of Well, Footage, Sec., T, R, M

1450' FSL 1450' FWL, Sec. 24, T-30-N, R-11-W, NMPM

5. Lease Number

SF-078144

6. If Indian, All. or  
Tribe Name

7. Unit Agreement Name

8. Well Name & Number

Murphy Com #3

9. API Well No.

30-045-26815

10. Field and Pool

Blanco Mesaverde

11. County and State

San Juan Co, NM

12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA

Type of Submission

Type of Action

☒ Notice of Intent

☐ Abandonment

☐ Change of Plans

☐ Subsequent Report

☐ Recompletion

☐ New Construction

☐ Final Abandonment

☐ Plugging Back

☐ Non-Routine Fracturing

☐ Casing Repair

☐ Water Shut off

☐ Altering Casing

☐ Conversion to Injection

☒ Other -

13. Describe Proposed or Completed Operations

It is intended to add Menefee pay to the Mesaverde formation of the subject well according to the attached procedure and wellbore diagram.

14. I hereby certify that the foregoing is true and correct.

Signed [Signature] (PMP) Title Regulatory Administrator Date 2/16/99

TLW

(This space for Federal or State office use)

APPROVED BY [Signature] Title Reg. Eng. Date 2/19/99

CONDITION OF APPROVAL, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

MURPHY COM #3 MV  
Workover Procedure  
K 24 30 11  
San Juan County, N.M.  
Lat-Long: 36-47.65' - 107-56.77'

**PROJECT SUMMARY:** This is a Menefee payadd in a 1987 vintage MV well.

1. Comply to all NMOCD, BLM, and BROG rules and regulations. MOL and RU completion rig. NU BOP w/flow tee and stripping head. NU blooie line and 2-7/8" relief line.
2. Set blanking plug in S.N. of 2-3/8" tbg @ 5228' and test to 3000 psi. TOH w/2-3/8" tbg. TIH w/4-1/2" csg scraper on 2-3/8" tbg. Run to 4920'. TOH.
3. MI Wireline. Set 4-1/2" drillable BP @ 4910'. Load hole w/1% KCL. *(IF POSSIBLE, EASE LOAD HOLE DURING STEP \*S)*
4. TIH w/4-1/2" pkr on 2-3/8" tbg and set 4900'. Pressure test drillable BP @ 4910' to 3000 psi. (Bottom of existing Menefee perfs @ 4870'). TOH.
5. MI wireline. Set 4-1/2" retrievable BP @ 4250' and top w/1 sx sand (2 Cliffhouse perfs are @ 4300'). TIH w/7" pkr and set @ 60' and pressure test 7" and 4-1/2" csg to 3000 psi. TOH w/7" pkr. TIH w/4-1/2" retrieving tool on 2-3/8" tbg to retrieve BP @ 4250' and TOH.
6. TIH w/2-3/8" tbg open ended to 4870' and spot 240 gal 15% HCL acid across Menefee (4509'-4868'). **Caution:** Care should be taken not to get acid on old wet Cliffhouse perfs @ 4300' and 4303'. TOH.  
All acid on this well to contain the following additives per 1000 gal:  

2 gal	CI-22	corrosion inhibitor
5 gal	Ferrotrol-300L	iron control
1 gal	Flo-back 20	Surfactant
0.5 gal	Clay Master-5C	clay control
7. Perf Menefee w/1 spf @ 4509', 29', 42', 50', 4606', 26', 75', 4745', 52', 56', 62', 77', 85', 90', 99', 4868'. Total 16 holes. Perf w/select fire HSC gun using HSC-3125-302T 10 gr Owen jets which should give a 0.29" hole and 16.64" of penetration in concrete.
8. TIH w/4-1/2" pkr on 2-3/8" tbg and set @ 4350'. **NOTE:** Cliffhouse perfs @ 4300'. Breakdown and attempt to balloff Menefee perfs w/1500 gal 15% HCL acid and 50 RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as Step #6. Max. pressure is 4550 psi. Lower pkr to 4880' to knock off perf balls. TOH.
9. Spot and fill 11-400 bbl. frac tanks w/2% KCL water. If necessary, filter all water to 25 microns. Ten tanks are for fracing and one tank is for breakdown water. Usable water required for frac is 4,370 bbls.
10. TIH w/Baker "FH" 4-1/2" hydraulic set frac liner pkrs w/1 jt 2-3/8" tbg between them. Straddle the Cliffhouse perfs @ 4300' and 4303'. TOH.

MURPHY COM #3 MV - MENEFFEE PAY ADD

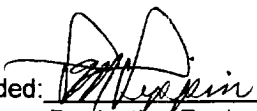
11. TIH w/ 7" pkr on 2 jts 2-7/8" 6.5 N-80 tbg w/<sup>?</sup>shaved collars and set @ 60'. Frac Menefee w/140,000 gals. of slick water and 120,000# 20/40 Arizona sand. Pump at 60 BPM. Sand to be tagged w/ 3 RA tracers. Max. pressure is 3000 psi and estimated treating pressure is 2500 psi. Treat per the following:

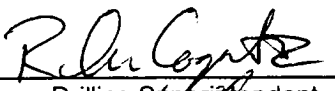
<u>Stage</u>	<u>Water (Gals.)</u>	<u>Sand Vol. (lbs.)</u>
Pad	30,000	---
0.5 ppg	20,000	10,000
1.0 ppg	50,000	50,000
1.5 ppg	40,000	60,000
Flush	<u>(5,764)</u>	<u>0</u>
Totals	140,000	120,000#

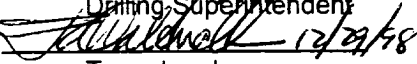
If well is on vacuum near end of frac job, cut flush as necessary to avoid overflushing and slow rate during flush. Frac with the following additives per 1000 gal frac fluid.

- \* 0.75 gal FRW-30 (Friction Reducer)
- \* 1.0 gal. Flowback 20 (Surfactant)

12. TOH w/2-7/8" tbg and pkr. TIH and retrieve straddle pkrs across CH perfs @ 4300'. TIH w/3-7/8" bit on 2-3/8" tbg and C.O. Menefee w/air/mist to BP @ 4910'. **Take pitot gauges when possible.**
13. When wellbore is sufficiently clean, drill BP @ 4910' and C.O. to PBTD5326' w/air/mist.
14. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log from 5250'-4200' and Perf Eff. Log for all MV intervals from 5250' to 4200' including the Cliffhouse holes @ 4300' and 4303'.
15. TIH w/2-3/8" tbg w/standard seating nipple one joint off bottom and again cleanout to 5326'. Use expendable check if necessary. When wellbore is sufficiently clean, land tbg @ 5000' KB. **Take final water and gas rates.**
16. ND BOP and NU wellhead and tree. Rig down and release rig.

Recommended:   
Production Engineer

Approve:  12/29/98  
Drilling Superintendent

Approve:  12/29/98  
Team Leader

VENDORS:

Wireline	Basin	327-5244
Fracturing:	Howco	325-3575
RA Tag:	Pro-Technics	326-7133
Pkrs and Ret BP	Baker.	325-0216

PMP

# MURPHY COM #3 MV

UNIT K SECTION 24 T30N R11W  
SAN JUAN COUNTY, NEW MEXICO

