

submitted in lieu of Form 3160-5

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**

3. Address & Phone No. of Operator

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

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

800' FNL, 1120' FEL, Sec *A* 34, T-27-N, R-4-W

5. Lease Number

SF 080675

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

San Juan 27-4 Unit

8. Well Name & Number

San Juan 27-4 U Com 137

9. API Well No.

30-039-22376

10. Field and Pool

Blanco Mesaverde

11. County and State

Rio Arriba Co., NM

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

Type of Submission

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☐ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other -pay add

☐ Change of Plans

☐ New Construction

☐ Non-Routine Fracturing

☐ Water Shut off

☐ Conversion to Injection

13. Describe Proposed or Completed Operations

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

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

Signed *Daggy Drahm* (JLDOpps) Title Regulatory Admin. Date 12/30/97

(This space for Federal or State Office use)

APPROVED BY */S/ Duane W. Spencer* Title _____ Date FEB - 2 1998

CONDITION OF APPROVAL, if any:

NMOC

RECEIVED
FEB - 5 1998
OIL CON. DIV.
DIST. 3

U.S. DEPT. OF AGRICULTURE
BUREAU OF PLANT INDUSTRY
WASHINGTON, D. C.
1914

U.S. DEPT. OF AGRICULTURE
BUREAU OF PLANT INDUSTRY

San Juan 27-4 Unit Com #137
Menefee Pay Add Procedure
Unit A, Section 34, T27N, R4W
Lat: 36° - 32.07822'/Long: 107° - 13.96638'

The well is currently completed in the Cliffhouse and Point Lookout with a production rate of 60 MCFD and remaining reserves of 453 MMCF. It is intended to add the Menefee to the existing Mesaverde producer. The pay add will be sand fracture stimulated in a single stage using a total of 60,000 gals 30 lb linear gel and 90,000 lbs 20/40 sand.

1. Inspect location and test rig anchors. Comply with all NMOCD, BLM, Forestry & BR rules and regulations. Dig flowback pit or set flowback tank. Haul to location 8 jts 2-3/8" N-80 tubing, 2-3/8" X 2-7/8" N-80 crossover, 6200', 2-7/8" N-80 frac string with shaved collars and 5-400 bbl frac tanks
2. MIRU. Fill one 400 bbl tank with 2% KCL water. Record and report SI pressures on tubing, casing and bradenhead. Lay blowdown line. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line. Redress production wellhead as needed.
3. TOOH with 2-3/8" Mesaverde production string set at 6580'. Visually inspect tubing, note and report any scale in/on tubing.
4. PU and RIH with a 3-7/8" bit, 4-1/2" (10.5 lb/ft) casing scraper on the 2-3/8" tubing string. Clean out to PBTD (~6682') with air. TOOH.
5. RU wireline. RIH and set CIBP at 6220'. RD wireline.
6. Load hole with 33 bbls (~2000') 2% KCL water. MIRU logging company. Run GR-CBL-CCL from PBTD til out of water. Evaluate CBL. Good cement bond must exist from PBTD to 5900' to continue with procedure.
7. RIH with 4-1/2" packer on 2-3/8" tubing. Set packer just above CIBP and pressure test to 3600 psi. Release packer and PUH to 6190'. Spot 170 gals 15% HCL across the Menefee perforation interval of 5982 to 6188'. TOOH.

All acid on this well to contain the following additives per 1000 gals.

2 gal	HAI-81M	Corrosion inhibitor
5 gal	FE-1A	Iron Control
5 gal	FE-2A	Iron Control
1 gal	SSO-21	Surfactant
1 gal	ClaSta XP	Clay control

8. RU wireline. Perforate Menefee as follows using select fire HSC guns loaded with Owens HSC-3125 302T 10 gram charges (Av. perf diameter - 0.29", Av. pen. -16.64" in concrete). Be sure to perforate from top down.

**5982', 5984', 5986', 6014', 6020', 6032', 6040', 6068', 6070', 6072', 6078',
6080', 6106', 6118', 6150', 6156', 6182', 6184', 6186', 6188' (20 holes total)**

RDMO wireline company.

9. Fill 5 - 400 bbl frac tanks with 2% KCL water. Filter all water to 25 microns if brought from sources with known solids contamination. Filtration is not necessary for city water. Four tanks are for gel and one tank is for breakdown and flush.
10. TIH with 4-1/2" packer, tubing tester, 8 jts 2-3/8" N-80 tubing, 2-3/8" X 2-7/8" N-80 crossover, and remaining 2-7/8", N-80 frac string with shaved collars. Set packer at 5900'. Close tubing tester and test frac string to 6000 psi.
11. RU stimulation company. Pressure test surface lines to 4800 psi. Monitor backside for communication. Breakdown and attempt to balloff Menefee perforations with 1500 gals 15% HCL and 200% excess RCN 7/8" 1.3 specific gravity perf balls to 3600 psi. Lower packer to 6190' to knock off perf balls. Reset packer at 5900'.

All acid on this well to contain the following additives per 1000 gals.

2 gal	HAI-81M	Corrosion inhibitor
5 gal	FE-1A	Iron Control
5 gal	FE-2A	Iron Control
1 gal	SSO-21	Surfactant
1 gal	ClaSta XP	Clay control

12. RU stimulation company. Hold a tailgate safety meeting. Pressure test surface treating lines to 6000 psi. **Maximum surface treating pressure is 5000 psi.** Monitor backside during stimulation. Fracture stimulate Menefee with 90,000 lbs 20/40 Arizona sand in 60,000 gals 30 lb linear gel at 30 BPM. **Tag sand with 3 radioactive tracers.** Average surface treating pressure will be 4800 psi. Treat per the following schedule:

Stage	Water (gals)	Sand Volume (lbs)
Pad	15,000	
1.0 ppg	10,000	10,000
2.0 ppg	25,000	50,000
3.0 ppg	10,000	30,000
Flush (slickwater)	1,400	
Totals	61,400	90,000

Slow rate during flush. If well is on vacuum near end of frac job, cut flush as necessary to avoid overflushing.

Frac with the following additives per 1000 gals frac fluid. **Gel will be mixed on the fly.**

*	7.5 gal	LGC-8	Gel
*	1 gal	SSO-21	Surfactant
*	0.18 lb	BE-6	Biocide
*	0.4 lb	SP	Oxidizing Breaker
*	0.2 lb	GBW-3	Enzyme Breaker

RDMO stimulation company.

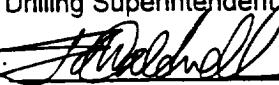
13. Open well through choke manifold and monitor flow. Flow at 20 BPH or less, if sand is observed. **Take pitot gauges when possible.** When pressures allow, release packer and TOOH. LD packer, 2-3/8" N-80 tubing, 2-3/8" X 2-7/8" crossover and 2-7/8" N-80 tubing.

San Juan 27-4 Unit Com #137
1998 Discretionary Menefee Pay Add

14. RIH with 3-7/8" bit on 2-3/8" tubing and clean out to CIBP at 6220'. Monitor gas and water returns when applicable. Drill up CIBP. CO to PBTD with air.
15. When wellbore is sufficiently clean, TOH and RU Pro-Technics. Run an After-Frac log from 6200-5900'. RD Pro-Technics.
16. TIH with an expendable check, one 2-3/8" joint, standard SN and remaining 2-3/8" tubing. Broach tubing while running in hole. CO with air/mist to PBTD again, if necessary. Land tubing at 6612'. Pump off expendable check. ND BOP. NU WH. RDMO. Contact Production Operations for well tie-in.

Recommended: 
Production Engineer

Approved:  12/5/97
Drilling Superintendent

Approved:  11/17/97
Team Leader

Contact:

Jennifer Dobson

599-4026 (work)

564-3244 (home)

324-2461 (pager)

San Juan 27-4 Unit Com #137
Pertinent Data Sheet
Lat: 36° - 32.07822'/Long: 107° - 13.96638'

General Well Information:

Location: 800 FNL, 1120 FEL, Unit A, Section 34, T27N, R4W, Rio Arriba County, NM

Federal Lease #:	SF 080675	DP #:	44665A
Property #:	007972310	GW/NRI:	92.33/77.48
Current Field:	Blanco Mesaverde		
Spud:	8/11/80	Completed:	10/2/80
GL Elevation:	7331'	DF Elevation:	7342'
TD:	6699'	PBTD:	6682'

Casing Record:

Hole Size	Csg Size	Weight	Grade	Depth Set	Cmt Vol	Cmt Top
13-3/4"	9-5/8"	40 lb/ft	66-S	245'	190	Circ. to Sur.
8-3/4"	7"	23 lb/ft	J-55	4369'	150	3200 (TS)
6-1/4"	4-1/2"	10.5 lb/ft	J-55	4239-6699'	424	4239' (est.)

Tubing Record:

Tubing Size	Weight	Grade	Depth Set	Number of Jts
2-3/8"	4.7 lb/ft	J-55	6580'	211

Formation Tops:

Ojo Alamo:	3635'	Lewis:	4200'	Menefee:	5905'
Pictured Cliffs:	4075'	Cliff House:	5780'	Point Lookout:	6234'

Logging Record:

Schlumberger Compensated Formation Density (8/20/80), Induction-Gamma Ray (8/20/80)

Completion:

Point Lookout was perforated at 6249, 54, 68, 73, 83, 92, 97, 6306, 12, 18, 30, 36, 45, 58, 72, 82, 6400, 48, 64, 87, 6502, 49, 54, 94, 6612' (25 holes) in 300 gals 7.5% HCL. Balled off perforations with 3000 gals 15% HCL to 3500 psi. Fracture stimulated it with 121,800 gals water and 61,000 lbs sand at 70 BPM and 1700 psi. ISIP = vac.

Cliffhouse was perforated at 5761, 68, 5814, 18, 26, 30, 52, 57, 78, 84' (10 holes) in 500 gals 15% HCL. Balled off with 1000 gals 15% HCL. Fracture stimulated it with 65,282 gals water and 22,000 lbs sand at 32 BPM and 1900 psi. ISIP = 200 psi.

Workover History:

None.

Production History:

Well was is currently making 60 MCFD from the Mesaverde. Current Mesaverde EUR: 973 MMCF
Mesaverde Cum: 521 MMCF.

Pipeline:

Williams Field Service

San Juan 27-4 Unit Com #137

Unit A, Section 34, T27N, R4W
 Lat: 36°-32.07822'/Long: 107°-13.96638'
 Rio Arriba County, NM

Current Schematic

Current Schematic

