

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

Sundry Notices and Reports on Wells

1. Type of Well GAS	API # (assigned by OCD) 30-045-29268 5. Lease Number Fee 6. State Oil&Gas Lease # 7. Lease Name/Unit Name San Juan 32-9 Unit 8. Well No. 24A 9. Pool Name or Wildcat Blanco Pictured Cliffs, Blanco Mesaverde 10. Elevation: 6641 GR
<hr/>	
2. Name of Operator BURLINGTON RESOURCES OIL & GAS COMPANY	
<hr/>	
3. Address & Phone No. of Operator PO Box 4289, Farmington, NM 87499 (505) 326-9700	
<hr/>	
4. Location of Well, Footage, Sec., T, R, M 1695' FSL, 830' FEL, Sec. 5, T-31-N, R-9-W, NMPM, San Juan County	


Type of Submission	Type of Action
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment <input type="checkbox"/> Change of Plans
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion <input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back <input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair <input type="checkbox"/> Water Shut off
	<input type="checkbox"/> Altering Casing <input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other -

13. Describe Proposed or Completed Operations

It is intended to recompleate the subject well in the Pictured Cliffs formation according to the attached procedure and wellbore diagram. The well will then be down hole commingled. A down hole commingle order will be applied for.

RECEIVED
APR 24 1997

OIL CON. DIV.
DIST. 3

SIGNATURE  (MEL5) Regulatory Administrator April 23, 1997

(This space for State Use)

Approved by ORIGINAL SIGNED BY ERNIE BUSCH Title DEPUTY OIL & GAS INSPECTOR, DIST. #3 Date APR 25 1997

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1888 Rio Bravo 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 1
Revised February 21.
Instructions on
Submit to Appropriate District
State Lease - 4 C
Fee Lease - 3 C

☐ AMENDED RE

WELL LOCATION AND ACREAGE DEDICATION PLAT

APN Number 30-045-29268		Pool Code 72359/72319		Pool Name Blanco Pictured Cliffs/Blanco Mesaverde	
Property Code 7473		Property Name San Juan 32-9 Unit			Well Number 24A
OGRID No. 14538		Operator Name Meridian Oil Inc.			Elevation 6641'

10 Surface Location

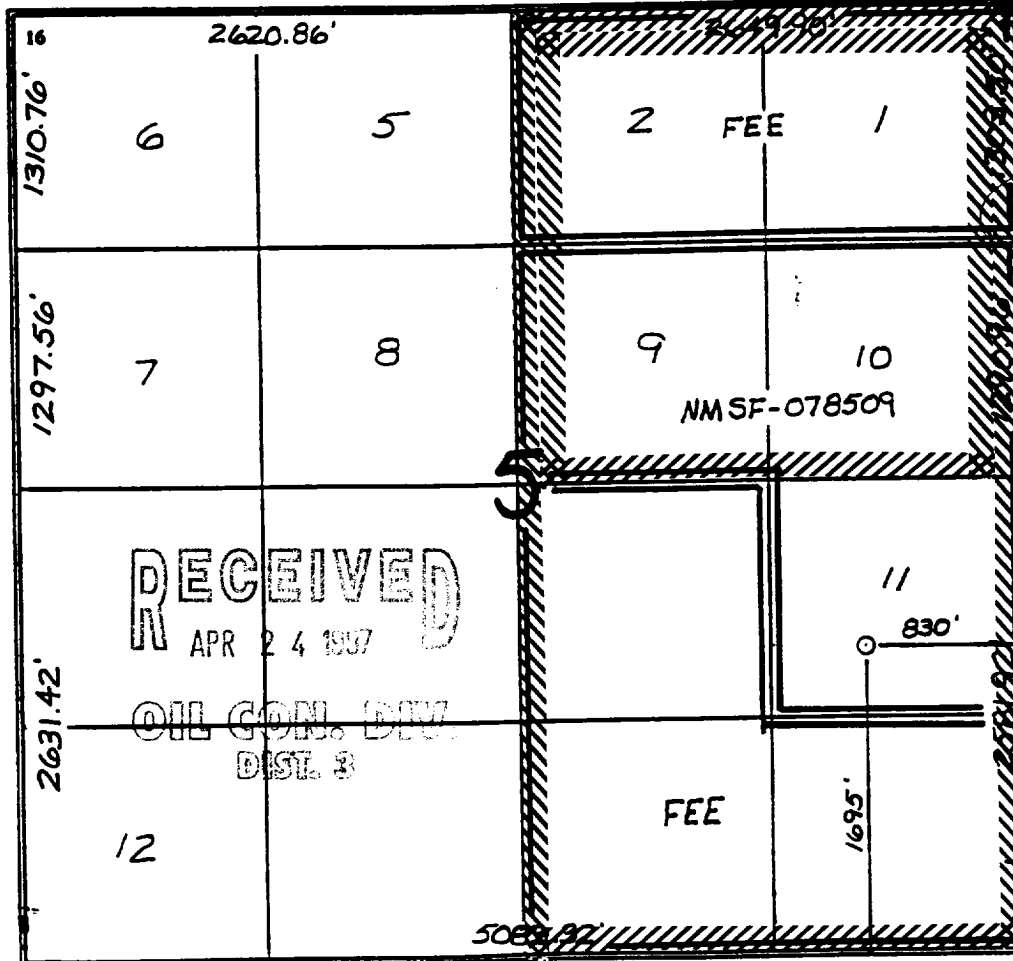
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	5	31 N	9 W		1695	South	830	East	S.J.

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

Dedicated Acreage PC-158.37 MV-E/316	Joint or Infill 70	Consolidation Code	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



17 OPERATOR CERTIFICATE

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

<i>Peggy Bradfield</i>	
Signature	Peggy Bradfield
Printed Name	Regulatory Administrator
Title	4-23-97
Date	

18 SURVEYOR CERTIFICATE

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

9-28-95	
Date of Survey	
Signature and Seal of Professional Surveyor	
<i>NEALE C. EDWARDS</i>	
8857	
8857	
Certificate Number	

San Juan 32-9 Unit #24-A

Mesaverde / Pictured Cliffs
Pictured Cliffs Recompletion
Unit P, Section 05, T31N, R09W
Lat./Long. 36° 33.12' / 107° 28.51'
Commingle Workover Procedure 3/18/97

1. Hold safety meeting. Comply with all MOI, BLM and NMOCD rules and regulations. Dig flowback pit or set flowback tank. Install 2x400 bbl rig tank and fill w/ 2% KCL water.
2. Obtain and record all wellhead pressures. NU relief line. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP.
3. TOOH w/ 2-3/8" Mesaverde tubing set at $\pm 6054'$ and lay down. Inspect tubing and replace bad tubing as necessary.
4. PU 3-7/8" bit and 4-1/2" (10.5#) casing scraper on 2-3/8" workstring and clean out to PBTD of $\pm 6182'$. Blow hole clean with air/mist. Obtain pitot gauge and record on morning report. TOOH.
5. RIH and wireline set a 4-1/2" CIBP @ $\pm 3650'$.
6. TIH w/ 7" fullbore packer and two joints of 2-7/8" N-80 frac string. Set packer and pressure test casing and CIBP to 3000 psi. Release packer and TOOH standing back frac string.
7. Perforate the following Pictured Cliffs interval using 3-1/8" HSC guns with 12 gram charges and 0.29" diameter holes. (18 perms Total)

3496	3532
3500	3541
3505	3553
3510	3561
3512	3563
3515	3567
3519	3578
3521	3585
3526	3594

Inspect guns to ensure all perforations fired. RD wireline.

8. TIH w/ 7" fullbore packer and two joints of 2-7/8" N-80 frac string. Set packer.
9. **Maximum allowable treating pressure is 3000 psi during acid job.** Pump 1500 gallons of 15% HCL acid @ maximum rate pressure will allow dropping 7/8" diameter

RCN ball sealers spaced evenly throughout the job (2 balls per perforation hole). Release packer and TOOH standing back frac string.

10. RU wireline, retrieve balls w/ 7" junk basket and report number of hits.
11. TIH w/ 7" fullbore packer and two joints of 2-7/8" N-80 frac string. Set packer.
12. **Hold safety meeting. Maximum allowable surface treating pressure is 3000 psi.**
13. Pressure test surface lines to 4000 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Fracture stimulate the Pictured Cliffs interval @ \pm 40 BPM using 30# linear gel with 70 Quality Nitrogen and \pm 100m lbs of sand tagged w/ Iridium. (Final frac design will be provided after reviewing logs). **Do not over displace during flush.** If well is on a vacuum, cut flush by 15%.
14. Close frac valve and RD stimulation line. RU flowback line and flow well through 1/8" positive choke. Continue to increase choke size until pressure falls to zero. When well dies, shut in.
15. Release packer and TOOH laying down 2-7/8" frac string.
16. TIH w/ 3-7/8" bit on 2-3/8" tubing and CO to CIBP set @ \pm 3650'. Obtain accurate pitot gauge for Pictured Cliffs interval. Record Pictured Cliffs pitot gauge in report. (Gauge may be used for allocation formula in commingling approval.)
17. Drill up CIBP set @ \pm 3650' and CO to PBTD (6182'). PU above the Pictured Cliffs perforations and flow the well naturally, making short trips for clean up when necessary. Obtain commingled pitot gauge for Pictured Cliffs and Mesaverde after clean up.
18. When sand has diminished, TOOH.
19. RU wireline company. Run After Frac GR from \pm 3650' to top of tracer activity. RD wireline.
20. TIH with one joint of 2-3/8", 4.7#, J-55 tubing w/ expendable check, a seating nipple, then the remaining 2-3/8" production tubing. CO to PBTD (\pm 6182'). Land tubing near bottom Mesaverde perforation (6068').
21. ND BOP's, NU WH. Pump off expendable check. Obtain final pitot up tubing. If well will not flow on it's own, make swab run to seating nipple. If swab run is not necessary, run a broach on slickline to ensure that the tubing is clear. RD and MOL. Return well to production.

Recommend: M.E. Lutev
Production Engineer

Approval: _____
Northwest Basin Team Leader

Approval: _____
Drilling Superintendent

Contacts:

Engineers:

Mary Ellen Lutev
Office - (599-4052)
Home - (325-9387)
Pager - (324-2671)

Lori Lantz
Office - (599-4024)
Home - (324-0692)

Frac Consultants:

Mark Byars
Pager - (327-8470)
Mobile - (320-0349)
Home - (327-0096)

Mike Martinez
Pager - (599-7429)
Mobile - (860-7518)
Home - (327-6161)

San Juan 32-9 Unit #24A SE/4, Sec. 5, T31N, R09W

Location: 835' FSL, 1120' FEL
San Juan County, NM

Latitude: 36-33.12'
Longitude: 107-28.51'

Current Field: Blanco Mesaverde
Spud: 11/24/95
Elev GL:
TD: 6229'

Logs Run: AIT-GR-SP-Cal-Temp; APS-LD
Completed: 12/12/95
Elev KB: 10'
PBTD: 6182'

CASING RECORD:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Cmt Vol</u>	<u>Cmt Top</u>
12-1/4"	9-5/8"	36#	K-55	239'	160 sx	Circ. to surf.
8-3/4"	7"	20#	K-55	3824'	75 sx - 1st stage	Circ. to surf.
					650 sx - 2nd stag	

LINER RECORD:

<u>Hole Size</u>	<u>Casing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Cmt Vol</u>	<u>Cmt Top</u>
6-1/4"	4-1/2"	10.5#	K-55 liner	3599'-6229'	315 sx	Reverse out 1 bbl

TUBING RECORD:

<u>Tubing Size</u>	<u>Weight</u>	<u>Grade</u>	<u>Depth Set</u>	<u>Joints</u>	<u>Other</u>	<u>Depth</u>
2-3/8"	4.7#	J-55	6054'	193		
					Stage Tool Float Collar	3500' 6182'

FORMATION TOPS:

Ojo Alamo	2172'	Pictured Cliffs	3494'	Pt Lookout	5752'
Kirtland	2226'	Cliffhouse	5368'	Gallup	
Fruitland	3100'	Menefee	5438'	Dakota	

Completions:

Point Lookout
Perfs: 5757'-6068'
Frac'd w/1560 bbl 30 x-link and 165,000# sand

Cliff House/Menefee

Perfs: 5314'-5601'
Frac'd w/1273 bbl x-link and 95,000# sand

Cementing Information

9-5/8" csg: 160 sx Class B w/3% CaCl₂ + .25 pps flocele
7" csg: 1st stage - 75 sx Class B w/ 50/50 poz, 2 pps gel, 2% CaCl₂, .25 pps flocele + 10 pps gilsonite
7" csg: 2nd stage - 600 sx Class B w/ 65/35 poz, 6% gel, 2% CaCl₂, 25 pps flocele, + 10 pps gilsonite; Tailed by 50
sx 50/50 poz, 2% gel, 2% CaCl₂, .25 pps flocele + 10 pps gilsonite
4-1/2" csg: 215 sx Class B w/ 65/35 poz, .25 pps flocele, 6% gel + 3 pps Gilsonite; Tailed by 100 sx
Class B "neat" cmt

Workover History:

MEL:plh 3/19/97

SAN JUAN 32-9 UNIT #24A

AS OF 12/04/95

BLANCO MESAVERDE

SE/4 SEC 5, T31N, R09W, SAN JUAN COUNTY, NM

