

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
BLM

Sundry Notices and Reports on Wells

070 FARMINGTON, NM

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

1600' FNL, 1490' FWL, Sec. 5, T-31-N, R-9-W, NMPM

5. Lease Number
SF-078509

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name

San Juan 32-9 Unit

8. Well Name & Number

San Juan 32-9 U #23A

9. API Well No.

30-045-23382

10. Field and Pool

Blanco Pictured Cliffs

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

☒ Notice of Intent

☐ Subsequent Report

☐ Final Abandonment

Type of Action

☐ Abandonment

☒ Recompletion

☐ Plugging Back

☐ Casing Repair

☐ Altering Casing

☒ Other - Commingle

☐ 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 the Pictured Cliffs formation to the subject well according to the attached procedure and wellbore diagram. After recompletion the well will be down hole commingled. A down hole commingle application will be applied for.

RECEIVED
JUN 17 1997

OIL CON. DIV.
DIST. 8

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

Signed Dan Shadwick (MEL5) Title Regulatory Administrator Date 4/26/97

(This space for Federal or State Office use)

APPROVED BY [Signature] Title Acting Director Date JUN 13 1997

CONDITION OF APPROVAL, if any:

Q

NMOC

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

97 APR 28 PM 1:39

OK
Form C-10
Revised February 21, 1995
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	Pool Code	Pool Name
30-045-23382	72359/72319	Blanco Pictured Cliffs/Blanco Mesaverde
Property Code	Property Name	Well Number
7473	San Juan 32-9 Unit	23A
OGRID No.	Operator Name	Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	6809'

10 Surface Location

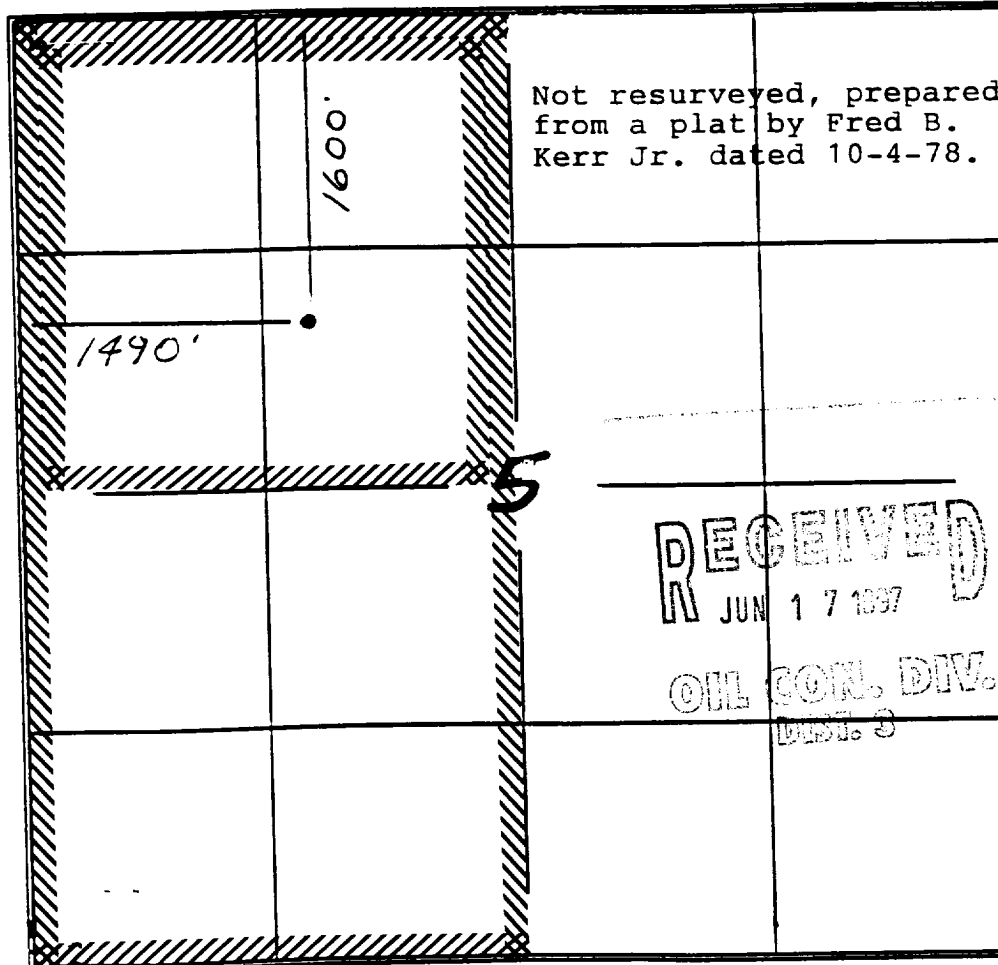
UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
F	5	31-N	9-W		1600	North	1490	West	S.J.

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	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.
PC-155.45
MV-W/313 85

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 CERTIFICATION

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

Peggy Bradfield
Signature
Peggy Bradfield
Printed Name
Regulatory Administrator
Title
4-28-97
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 or under my supervision, and that the same is true and correct to the best of my belief.

4/24/97

Date of Survey
Signature and Seal of Professional Surveyor
NEALE C. EDWARDS
NEW MEXICO
6857
6857
Certificate Number

San Juan 32-9 Unit #23-A
Mesaverde / Pictured Cliffs
Unit F, Section 5, T31N, R09W
Lat./Long. 36-55.78' / 107-48.39'
PC RC Workover Procedure 2/18/97

1. Hold safety meeting. Comply with all MOI, BLM and NMOCD rules and regulations. Dig flowback pit or set flowback tank. Install 1x400 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 $\pm 6275'$ 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 $\pm 6377'$. 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 @ $\pm 4500'$. Load hole from surface with 2% KCL water.
6. Run CBL/CCL/GR from 4500' to surface. Run CNL from 4500' to surface. Send logs to office immediately and perforations and final packer setting depths will be supplied. Also, a squeeze procedure will be provided if necessary.
7. TIH w/ 7" fullbore packer and $\pm 3000'$ of 2-3/8" tubing. Set packer @ $\pm 3000'$ and pressure test casing and CIBP to 3000 psi. Release packer and TOOH standing back tubing.
8. Perforate the Pictured Cliffs interval (perfs will be provided after reviewing logs) using 3-1/8" HSC guns with 12 gram charges and 0.29" diameter holes.

Inspect guns to ensure all perforations fired. RD wireline.
9. TIH w/ 7" fullbore packer and $\pm 3000'$ of 2-3/8" tubing. Set packer @ $\pm 3000'$.
10. **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).
11. Release packer and TIH knocking balls off of perforations. TOOH laying down tubing.
12. TIH w/ 7" fullbore packer and $\pm 3000'$ of 3-1/2" N-80 frac string. Set packer @ $\pm 3000'$.
13. **Hold safety meeting. Maximum allowable surface treating pressure is 5000 psi. (At static conditions, maximum allowable surface treating pressure is 3000 psi.)**

14. Pressure test surface lines to 6000 psi. (1000 psi over maximum treating pressure but less than the working pressure of the lines.) Fracture stimulate the Pictured Cliffs interval @ ± 40 BPM using 30# linear gel with 70 Quality Nitrogen and ± 100 m 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%.
15. 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.
16. Release packer and TOOH laying down 3-1/2" frac string.
17. TIH w/ 3-7/8" bit on 2-3/8" tubing and CO to CIBP set @ $\pm 4500'$. 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.)
18. Drill up CIBP set @ $\pm 4500'$ and CO to PBTD (6377'). 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.
19. When sand has diminished, TOOH.
20. RU wireline company. Run After Frac GR from $\pm 4500'$ to top of tracer activity. RD wireline.
21. 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 ($\pm 6377'$). Land tubing near bottom Mesaverde perforation (6266').
22. 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. Lutey
Production Engineer

Approval: _____
Northwest Basin Team Leader

Approval: _____
Drilling Superintendent

Contacts:

Engineers:

Marv Ellen Lutey
Office - (599-4052)
Home - (325-9387)
Pager - (324-2671)

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

Frac Consultants:

Mark Bvars
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 #23A

Sec. 5, T31N, R09W

Location: 1600' FNL, 1490' FWL
San Juan County, NM

Latitude: 36-55.78'
Longitude: -107-48.39'

Current Field: Blanco Mesaverde
Spud: 7/ 8/79
Elev GL: 6809'
TD: 6394'

Logs Run: CDL-GR; IL-GR; TS
Completed: 12/22/79
Elev KB:
PBTD: 6377'

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>
13-3/4"	9-5/8"	36#	K-55	222'	224 c.f.	To surface
8-3/4"	7"	20#	K-55	4059'	272 c.f.	3506'

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	3888'-6394'	433 c.f.	Liner top

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	6275'	201		

FORMATION TOPS:

Ojo Alamo	---	Pictured Cliffs	---	Pt Lookout	5892'
Kirtland	---	Cliffhouse	5220'	Gallup	---
Fruitland	---	Menefee	---	Dakota	---

Completions:

Point Lookout
Perf: 5900'-6266'
Frac'd w/78,000# sand and 156,000 gal water

Cliff House/Menefee

Perf: 5232'-5832'
Frac'd w/73,560# sand and 143,560 gal water

Cementing Information

9-5/8" csg: 190 sx Class B 3% CaCl₂ + .25# flocele
7" csg: 95 sx Class B 65/35 Poz w/6% gel + 2% CaCl₂; 100 sx Class B Neat w/2% CaCl₂
4-1/2" liner: 312 sx Class B 50/50 Poz w/2% gel, 0.6% Halad-9, 6.25# + .25# Flocele/sx; 2 sx gel w/20 bbl water
1986 w/o: SQ @ 1953' w/100 sx RFC; Re-SQ w/100 sx Class B Neat; Reverse out Bradenhead.
No logs were run during 1986 WD.

Workover History:

02/08/86 Casing repair

MEL:plh 3/19/97

SAN JUAN 32-9 UNIT #23A

BLANCO MESAVERDE

AS OF 7/08/96

1600' FNL, 1490' FWL
SEC 5, T31N, R09W, SAN JUAN COUNTY, NM

COMPLETED 12/22/79
WORKOVER 2/08/86
ELEVATION 6809' GL

OJO ALAMO NA
FRUITLAND NA

PICTURED CLIFFS NA

CLIFF HOUSE @ 5220'

POINT LOOKOUT @ 5892'

