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

Sundry Notices and Reports on Wells

API # (assigned by OCD)
30-045-09341

1. **Type of Well**
GAS

5. **Lease Number**
Fee

6. **State Oil&Gas Lease #**

2. **Name of Operator**
BURLINGTON RESOURCES **OIL & GAS COMPANY**

7. **Lease Name/Unit Name**
Jose Jaquez

8. **Well No.**
#1

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

9. **Pool Name or Wildcat**
Basin FTC/Basin DK

4. **Location of Well, Footage, Sec., T, R, M**
2060'FSL 1460'FWL, Sec.24, T-30-N, R-12-W, NMPM, San Juan County

10. **Elevation:**

Type of Submission	**Type of Action**	
_X_ Notice of Intent	___ Abandonment	___ Change of Plans
	_X_ Recompletion	___ New Construction
___ Subsequent Report	___ Plugging Back	___ Non-Routine Fracturing
	___ Casing Repair	___ Water Shut off
___ Final Abandonment	___ Altering Casing	___ Conversion to Injection
	___ Other -	

13. **Describe Proposed or Completed Operations**

It is intended to plugback the Dakota formation and recomplete in the Fruitland Coal formation of the subject well according to the attached procedure and wellbore diagram.

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OIL CON. DIV.
DIST. 3

SIGNATURE [signature] (PMP) Regulatory Administrator February 16, 1999

TLW

(This space for State Use)

Approved by ORIGINAL SIGNED BY ERNIE BUSCH **Title** DEPUTY OIL & GAS INSPECTOR, DIST. #3 **Date** MAR 2 1999

NOW D C104 FOR NSL

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

Form C-10
Revised February 21, 199
Instructions on bac
Submit to Appropriate District Offic
State Lease - 4 Copie
Fee Lease - 3 Copie

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	2 Pool Code	3 Pool Name
30-045-09341	71599/71629	Basin Dakota/Basin Fruitland Coal

4 Property Code	5 Property Name	6 Well Number
7157	Jose Jaquez	1
7 OGRID No.	8 Operator Name	9 Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	5524'

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
K	24	30N	12W		2060	SOUTH	1460	WEST	SAN JUAN

11 Bottom Hole Location If Different From Surface

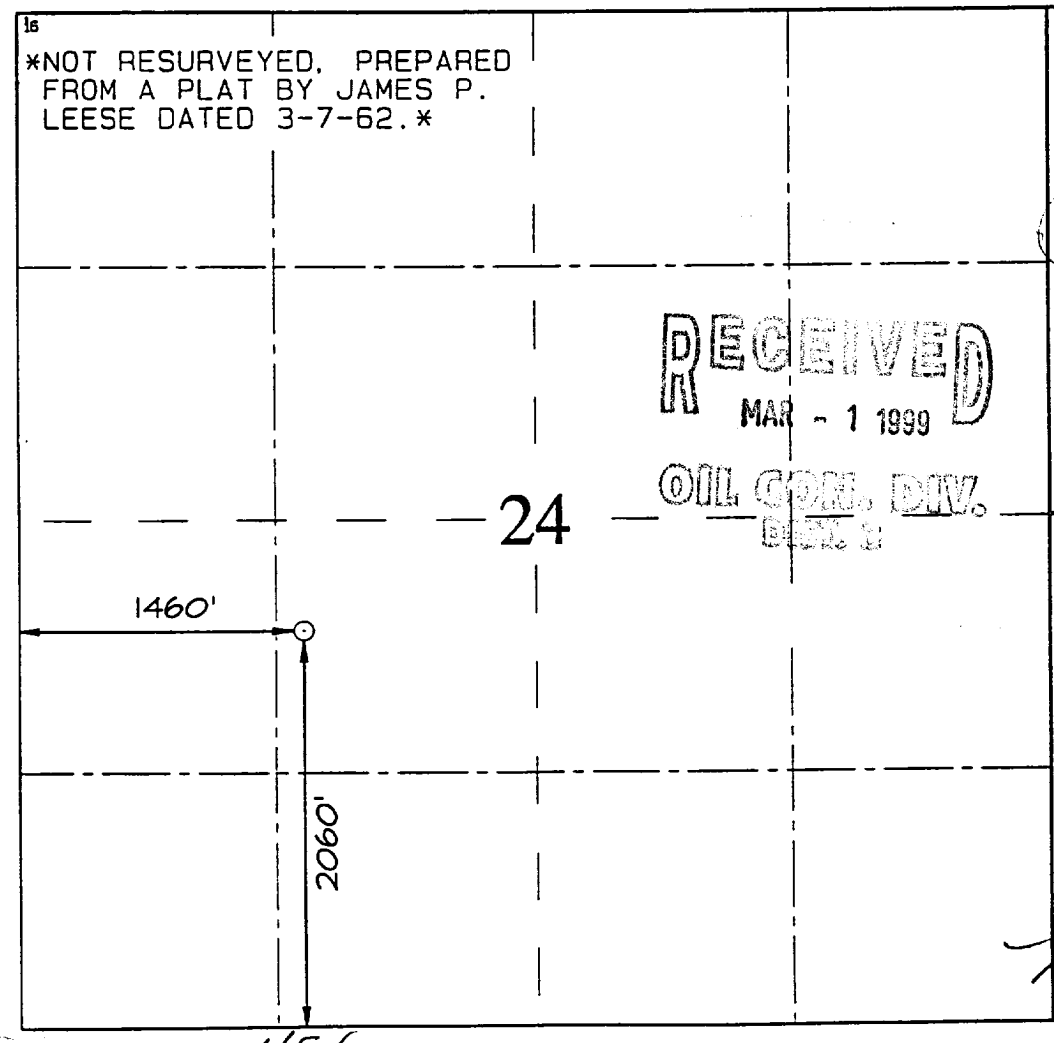
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
DK: W/320 FTC: S/320			

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 BY JAMES P. LEESE DATED 3-7-62.



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OIL CON. DIV.
DIST. 3

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 Administrato
Title

2-25-99
Date

18 SURVEYOR CERTIFICATION

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

FEBRUARY 18, 1999
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
REGISTERED PROFESSIONAL SURVEYOR

Certificate Number 6857

HOLD C104 FOR NSL

JOSE JAQUEZ #1 FRTC
Recompletion Procedure
K 24 30 12
San Juan County, N.M.
Lat-Long: 36 - 47.77' – 108 – 3.20'

PROJECT SUMMARY: Plugback this 1962 vintage depleted Dakota well to the FRTC and foam frac.

1. Comply to all NMOCD, BLM, and BROG rules and regulations. MOL and RU completion rig. NU BOP w/flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line.

2. TOH w/1-1/2" tbg.

3. Run 4-1/2" csg scraper on 2-3/8" tbg rental work string to 6278'. TOH. Run 4-1/2" cmt retainer on 2-3/8" tbg and set @ 6278'. Sq DK perfs w/32 sx cl "G" cmt . This will fill inside the pipe from 6486' to 6278' w/100% excess cmt. Sting out of ret and spot 5 sx cmt on top of cmt ret @ 6278'. Reverse out cmt.

4. Load hole w/water and pressure test to 500 psi. TOH.

5. Perf 2 sq holes @ 5446 (50' below top of Gallup). Attempt to establish rate into sq holes down csg at less than 500 psi. TIH w/4-1/2" cmt ret on 2-3/8" tbg and set @ 5346' (50' above top of Gallup). Sq perfs w/41 sx cmt. This will fill outside and inside 4-1/2" csg 50' above and below the top of Gallup w/50% excess cmt. Sting out of cmt ret and spot 5 sx cmt on top ret. Reverse out cmt. TOH.

6. Perf 2 sq holes @ 3404 (50' below top of MV). Attempt to establish rate into sq holes down csg at less than 500 psi. TIH w/4-1/2" cmt ret on 2-3/8" tbg and set @ 3304' (50' above top of MV). Sq perfs w/41 sx cmt. This will fill outside and inside 4-1/2" csg 50' above and below the top of MV w/50% excess cmt. Sting out of cmt ret and spot 5 sx cmt on top ret. Reverse out cmt. TOH.

7. MI Blue Jet. Run CBL from 1950' (stg tool @ 1944') to top of cmt and an advanced integrated data processed GSL neutron log 1944'-1400' and correlate to attached open hole log. Pressure csg to 800 psi if necessary to see bond. Hot-shot logs to Mike Pippin (326-9848) so perfs (and sq perfs if necessary) can be picked.

8. Set 4-1/2" CIBP @ 1850' on wireline. Pressure test 4-1/2" csg and CIBP to 800 psi. TIH w/2-3/8" tbg open ended and spot 160 gal 15% HCL acid (~1775'-~1535').

   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

9. Using GSL log, Perf about 50' of FRTC w/2 spf from about 1775' to 1435'. Perf using 4" hollow steel carrier guns loaded w/Owen HSC 13 gm. charges phased at 180 degrees. Average perf dia. = 0.48". Average penetration is 18" in Berea.

10. Fill 3 - 400 bbl. frac tanks with 1% KCL water. If necessary, filter all water to 25 microns. Two tanks are for gel and one tank for breakdown water. Usable gel water required for frac is 538 bbls.

11. TIH w/4-1/2" pkr on 2-7/8" 6.5# N-80 w/shaved collars (3.5" O.D. 2.441" I.D.) rental frac string (run 2 jts 2-3/8" N-80 on top of pkr).and set @ 1300'. W/ 500 psi on annulus, breakdown and attempt to balloff FRTC perfs w/1500 gal 15% HCL acid and 150% excess RCN 7/8" 1.3 sp gr perf balls. Use same acid additives as in step #8. Max. pressure is 4500 psi. Lower pkr to 1780' to knock off perf balls. Reset pkr @ 1500'.

12. With 500 psi on annulus, frac FRTC down 2-7/8" frac string w/75,000 gals. of 70 quality foam using 20# gel as the base fluid and 160,000# 20/40 Arizona sand. Pump at 45 BPM. Monitor bottomhole and surface treating pressures, rate, foam quality, and sand concentration with computer van. Sand to be tagged w/ 3 RA isotope tracers. Max. pressure is 6000 psi and estimated Max. treating pressure is 5206 psi. Pipe friction @ 45 BPM is 4282 psi. Treat per the folowing schedule:

Stage	Foam Vol. (Gals.)	Gel Vol. (Gals.)	Sand Vol. (lbs.)
Pad	15,000	4,500	—
1.0 ppg	10,000	3,000	10,000
2.0 ppg	15,000	4,500	30,000
3.0 ppg	20,000	6,000	60,000
4.0 ppg	15,000	4,500	60,000
Flush	(365)	(110)	0
Totals	75,000	22,500	160,000#

Treat frac fluid w/the following additives per 1000 gallons:

* 20# J-48 (Guar Gel mix in full tank - 16,000 gal)
* 1.0 gal. Aqua Flow (Non-ionic Surfactant mix in full tank)
* 1.0# GVW-3 (Enzyme Breaker mix on fly)
* 1.0# B - 5 (Breaker mix on fly)
* 3.0 gal Fracfoam I (Foamer mix on fly)
* 0.38# FracCide 20 (Bacteriacide mix on full tank)

13. Open well through choke manifold and monitor flow. Flow @ 20 bbl/hr. or less, if sand is observed. **Take pitot gauges when possible**. TOH w/pkr.

14. TIH w/notched collar on 2-3/8" tbg and C.O. to 1850' w/air/mist. Monitor gas and water returns and **Take pitot gauges when possible.**

15. When wellbore is sufficiently clean, TOH and run after frac gamma-ray log and perf eff log from 1850'-1300'.

16. TIH w/(tested) 1-1/2" 2.9# J-55 EUE tbg w/standard seating nipple one joint off bottom and again cleanout to 1850'. When wellbore is sufficiently clean, land tbg @ 1750' KB. **Take final water and gas rates.**

17. ND BOP and NU wellhead and tree. Rig down and release rig.

JOSE JAQUEZ #1 FRTC - RECOMPLETE TO FRTC WELL

Recommended: _____ 4/18/98
Production Engineer

Approved: _____ 11/24/98
Drilling Superintendent

Approved: _____
Team Leader

VENDORS:

Wireline:	Blue Jet	325-5584
Fracturing:	Howco	325-3575
RA Tag:	Pro-Technics	326-7133

PMP

JOSE JAQUEZ #1 FRTC

UNIT K SECTION 24 T30N R12W
SAN JUAN COUNTY, NEW MEXICO