

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

98 DEC -2 AM 9:36

1. Type of Well
GAS

070 FARMINGTON, NM

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' FNL 990' FWL, Sec. 9, T-31-N, R-9-W, NMPM

5. Lease Number
SF-080376

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#113

9. API Well No.
30-045-28987

10. Field and Pool
Basin Dakota

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 ☐ Change of Plans
☐ Recompletion ☐ New Construction
☐ 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 plug back the subject well to the Pictured Cliffs formation according to the attached procedure and wellbore diagram. The Dakota formation will be plugged and abandoned.

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

Signed [Signature] (MQ) Title Regulatory Administrator Date 12/1/98

(This space for Federal or State Office use)

APPROVED BY /S/ Duane W. Spencer Title _____ Date DEC - 4 1998

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.

Subject to Approval
District Office
State Leases - 3 copies
Fee Leases - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT 1
P.O. Box 198, Hobbs, NM 88240

DISTRICT 7
P.O. Drawer 100, Artesia, NM 88210

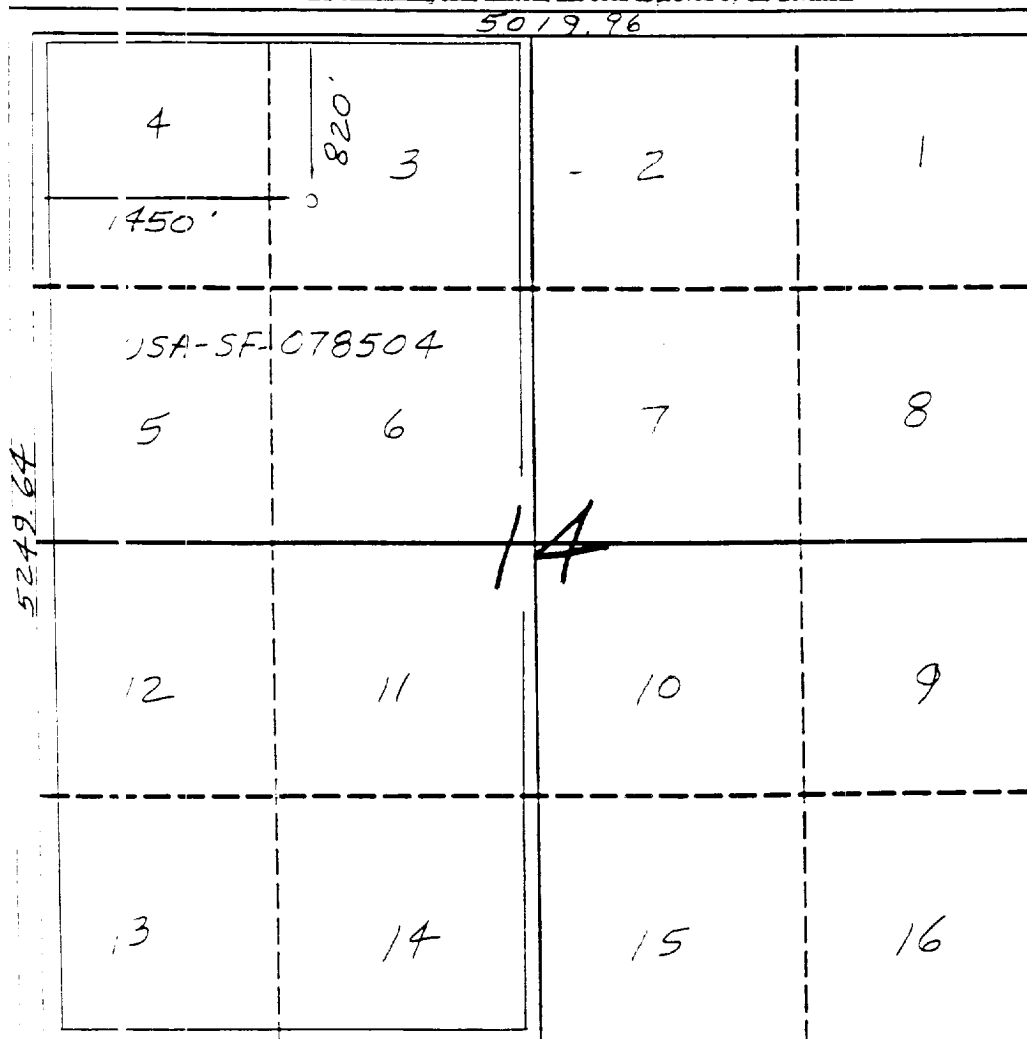
DISTRICT 12
1000 Rio Brisa Rd., Aztec, NM 87410

98 DEC -2 AM 9:36

WELL LOCATION AND ACREAGE DEDICATION PLAT
All Distances must be from the outer boundaries of the section

Operator		Lease		Well No.	
Burlington Resources Oil & Gas		San Juan 32-9 Unit		113	
Unit Letter	Section	Township	Range	County	
C	14	32 North	10 West	NMPM San Juan	
Actual Footage Location of Well:					
820 feet from the North line and		1450 feet from the West line			
Ground level Elev.	Producing Formation		Pool	Dedicated Acreage:	
6495'	Blanco		Pictured Cliffs	160 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or ballpoint marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☐ Yes ☐ No If answer is "yes" type of consolidation _____
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



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: Peggy Bradfield

Position: Regulatory Administrator

Date: 12-1-98

Company:

Date:

SURVEYOR CERTIFICATION

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

Date Surveyed: 1-9-92

Signature: *C. Edwards*

Printed Name: C. Edwards

Signature: *C. Edwards*

Professional Surveyor

Certificate No. 3357

Date: 12-1-98

Company: *Edwards*

Date:

Company:

Date:

Company:

Date:

Company:

Date:

San Juan 32-9 Unit #113
1450' FNL, 990' FWL
Unit E, Sec. 09, T-31N R-9W
San Juan County, New Mexico
KB: 6720' GR: 6706'
LAT: 36' 54.9° LONG: 107' 4.5°

Summary:

In 1993, Burlington granted Amoco designation of agent to drill the subject well to the Dakota. The Dakota was never produced, and since that time Burlington Resources has resumed operatorship. The subject well will be completed in the Pictured Cliffs formation, and the Dakota will be plugged to satisfy a BLM demand. Since Burlington Resources has zero interest in the Pictured Cliffs formation, Amoco designed the stimulation. As per Amoco's design, the Pictured Cliffs will be completed with 50,125# of 15/30 sand and 35,742 gal of 70Q N₂ foamed 25# linear guar gel.

- Comply with all NMOCD, BLM, and BR regulations. Conduct daily safety meetings for all personnel on location. Notify BR regulatory (Peggy Bradfield 326-9727) and the appropriate Regulatory Agency prior to pumping any cement job. If an unplanned cement job is required, approval is required before the job can be pumped. If verbal approval is obtained, document the approval in Dims. Allow adequate notice prior to the pump time for the Agency to witness the cementing operation.
- Inspect location and wellhead and install rig anchors prior to rig move.
- Construct blow pit.

Procedure:

1. MOL, hold safety meeting, and RU completion rig. Insure all safety equipment is strategically located and functioning properly. NU relief lines to blow pit. Blow well down and kill well with water if necessary. ND well head and NU BOP, stripping head, and blooie line. Set two (2) 400 bbl frac tanks. Fill with 2% KCl water. Filter if necessary.
2. TOOH w/ 261 jts of 2-3/8" 4.7# J-55 tubing. Visually inspect tubing and lay down any bad joints.
3. TIH w/ 4-1/2" cement retainer on 2-3/8" tubing and set retainer at 7990'. Pick up tubing to test position and test tubing to 4000 psi w/ 500 psi on the annulus. Sting back into retainer. Establish an injection rate and squeeze DK perfs w/ 40 sx class G cement. This will fill inside the 4-1/2" casing from 8242' to 7990' w/ 100% excess cement. Sting out of the retainer and spot 5 sx cement on top of the cement retainer @ 7990'. Pull 1 stand and reverse out cement. TOH.
4. RU wireline. Run CBL w/ 1000 psi from 3,900' (below 9-5/8" shoe) to 2,900' or to TOC. (Estimated TOC from TS is 3750'). Hot Shot log to Michele Quisel and to Drilling to pick perfs for squeeze. Test casing to 2000 psi. TIH w/ perf guns (type and charge to be determined). Perf two squeeze holes at approximately ~3700'. RD wireline. Establish circulation from surface.
5. TIH w/ 7" cement retainer on 2-3/8" tubing and set retainer at ~3690'. Establish an injection rate of 3-4 bpm. When full returns are established to surface, squeeze w/ approximately 495 sx of 50/50 POZ cement w/ 2% gel, enough cement to fill the annulus between the 7" casing and the 9-5/8" casing from the squeeze perfs to surface w/ 10% excess cement. When cement is returned to surface, close casing valve and sting out of cement retainer. Reverse out cement. TOOH. WOC 12 hrs.
6. RU stimulation company. Pressure test lines to 4500 psi. Pressure test casing to **3450 psi (Max Pressure)**.

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7. RU wireline. Correlate to attached log. Perf w/ 4" HSC, 2 SPF, 120 Phasing. 19.5 gm charges, 13.13 TTP, 0.34 EHD :

3642', 40', 38', 36', 23', 21', 16', 11', 08', 02', 3598', 94', 90', 86', 82', 78', 74', 70'
For a total of 36 holes. RD Wireline.

8. Hold pre job safety meeting. Pressure test lines to 4500 psi. Breakdown and balloff perms w/ 1500 gal of 15% HCL acid* and 54 RCN 7/8" 1.3 SG ball sealers. Monitor 9-5/8" annulus during breakdown and balloff. **Max Pressure is 3450 psi.**

*Acid should 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. RU wireline. Run in w/ 7" junk basket and retrieve balls. Record number of hits and balls recovered.

10. Fracture stimulate in 1.0 to 4.0 ppg stages at 40 BPM constant downhole rate with 35,742 gal of 70 Q foamed 25# linear guar gel and 50,125# 16/30 sand. Frac to be tagged w/ 3 RA Tracers. Monitor 9-5/8" annulus. **Max Pressure is 3450 psi.** When sand is at the hopper and the concentration begins to drop, call flush. Flush to 100 ft above top perf (5742 gals). Treat per the following schedule:


Stage	Sand Conc. (ppg)	Sand Mesh	Stage Sand Volume (lbs)	Clean Foam Volume (Gal)	Clean Gel Volume (Gal)	Nitrogen Rate (scf/min)	Stage N2 (mscf)
Pad	0		0	10000	3000	19544	116
2	1	16/30	3500	3500	1050	18692	41
3	1.75	16/30	6125	3500	1050	18100	41
4	2.5	16/30	10000	4000	1200	17544	46
5	3	16/30	12000	4000	1200	17192	46
6	3.5	16/30	10500	3000	900	16854	35
7	4	16/30	8000	2000	600	16529	23
Flush			0	5742	2871	13960	48
Totals			50125	35742	11871	15379	396


Treat frac fluid with the following additives per 1000 gallons:

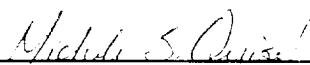
LGC-8	6.00 gallons	(guar liquid gel concentrate)
HC-2	7-10 gallons	(foamer/surfactant)
BE-6	0.19 pounds	(bactericide)
Clay Fix II	1.00 gallons	(clay control)
Sand Wedge	0.18 gals per 100 lbs of sand	(proppant flow back control)
Optiflo HTE	as req. pounds	(breaker)
GBW-30	as req. pounds	(enzyme breaker)

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11. Shut well in after frac and record ISIP, 5 minute, 10 minute, and 15 minute pressures. RD stimulation company. Leave well shut in for 1 hour before beginning flow back. Open well to pit in accordance to flowback schedule list on the attached page. Continue flowing back well until fluid returns are negligible. Take pitot gauges when possible.
12. TIH w/ 6-1/4" bit on 2-3/8" tubing and CO to cement retainer. TOOH.
13. TIH w/ one joint of 2-3/8" 4.7# J-55 tubing w/ expendable check, seating nipple, then the remaining 2-3/8" production tubing. Rabbit tubing. Land tubing @ $\pm 3640'$.
14. ND BOP and NU wellhead. Pump off expendable check. RDMO.

Approve:  11/30/98
Team Leader

Approve:  11/30/98
Drilling Superintendent

Recommend:  11/30/98
Production Engineer

VENDORS:

Stimulation:	Halliburton	325-5096
RA Tag	Pro-Technics	326-7133
Wireline:	Blue Jet	325-5584

Michele Quisel

Home 564-9097

Office 324-6162

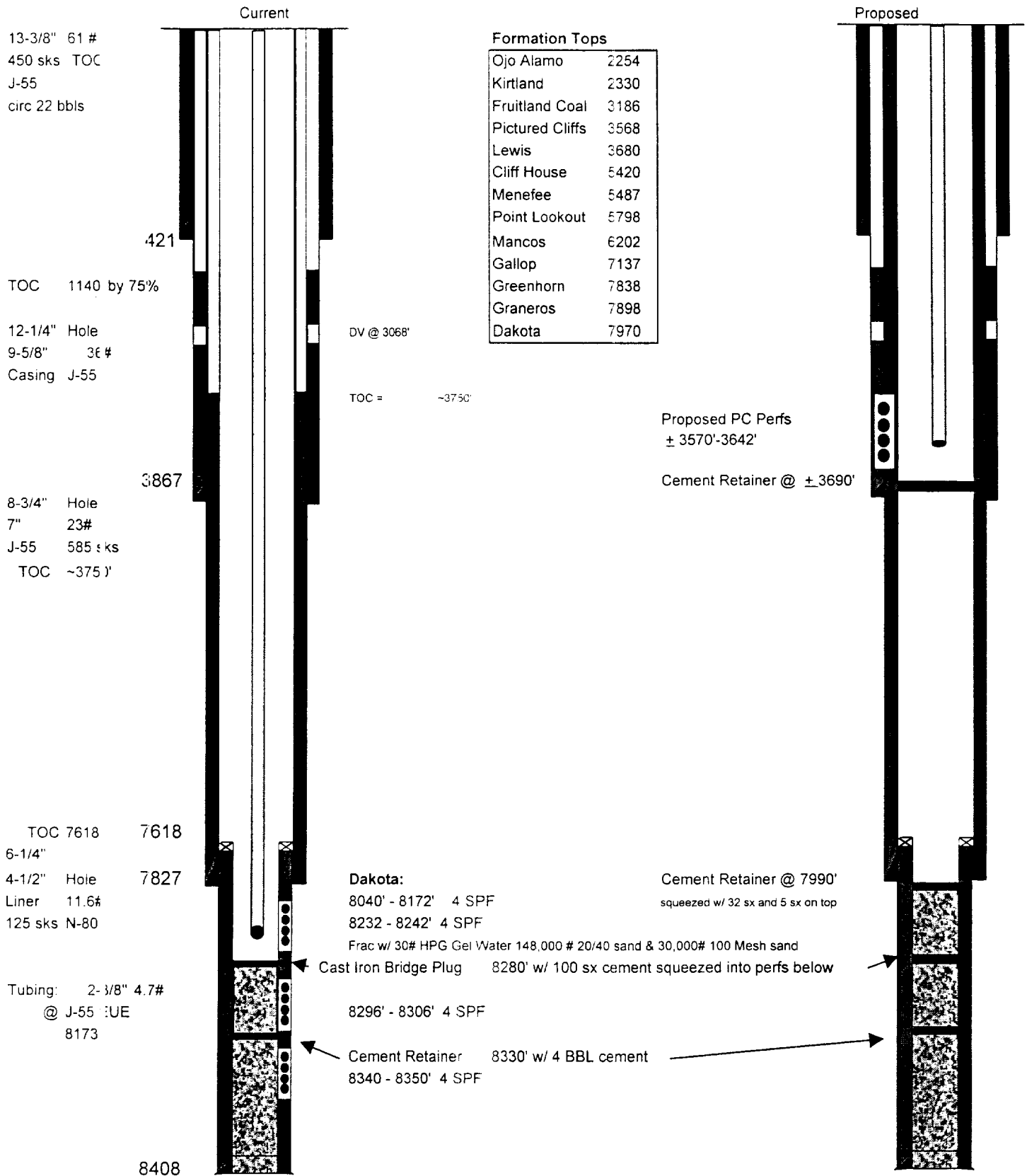
Pager 326-8196

San Juan 32-9 Unit #113

1450' FNL, 990' FWL
Unit E Sec. 09, T-31 R-9W
San Juan County, NM

KB 6720

GL 6706



TD = 8408
PBDT = 8330

MSQ
11/30/98