submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

Sundry Notices and Reports on Wells

97 JUL 24 AM 11:01

070 FARMINGTON, NM

1. **Type of Well**
GAS

5. **Lease Number**
SF-078459B

6. **If Indian, All. or Tribe Name**

7. **Unit Agreement Name**

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

Allison Unit

8. **Well Name & Number**
Allison Unit #34

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

9. **API Well No.**
30-045-28591

4. **Location of Well, Footage, Sec., T, R, M**
1970'FSL, 1870'FWL, Sec.11, T-32-N, R-7-W, NMPM
K

10. **Field and Pool**
Blanco MV/Basin DK

11. **County and State**
San Juan Co, NM

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

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
	_X_ Other - Commingle	

13. **Describe Proposed or Completed Operations**

It is intended to recomplete the subject well in the Mesaverde formation according to the attached procedure and wellbore diagram. After recompletion the well will be down hole commingled. A down hole commingled will be applied for.

RECEIVED
AUG - 4 1997
OIL CON. DIV.
DIST. 3

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

Signed Peggy Bradfield (PME6) Title Regulatory Administrator Date 7/23/97

(This space for Federal or State Office use)
APPROVED BY WAYNE TOWNSEND Title Pet Eng. Date 7/31/97
CONDITION OF APPROVAL, if any:

or sc

NMOCD

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Box 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-102
Revised February 21, 1994
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
30-045-28591	72319/71599	Blanco Mesaverde/Basin Dakota

Property Code	Property Name	Well Number
6731	Allison Unit	34

OGRID No.	Operator Name	Elevation
14538	BURLINGTON RESOURCES OIL & GAS COMPANY	6670'

Surface Location

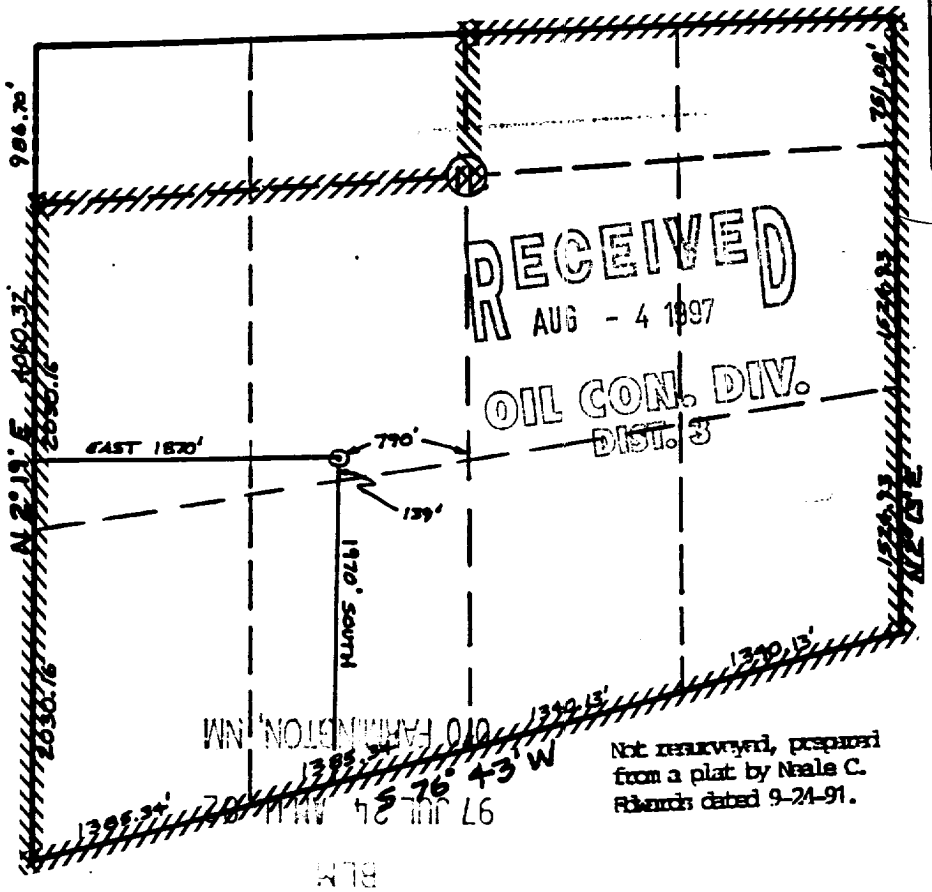
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	11	32-N	7-W		1970	South	1870	West	S.J.

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 Acres	Joint or Infill	Consolidation Code	Order No.
MV-377.66 DK-377.66			R-2046

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



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 Administrato
Title

7-23-97
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 belief.

7/16/97
Date of Survey

Signature and Seal of Professional Surveyor

NEALE C. EDWARDS
NEW MEXICO
6857
REGISTERED PROFESSIONAL SURVEYOR

6857
Certificate Number

Allison Unit #34
Burlington Resources Oil & Gas
Blanco Mesaverde/Basin Dakota Workover
UnitK-Sec11-T32N-R07W
Lat: 36° 59.58'
Long: 107° 32.28'

- Comply with all BLM, NMOCD, & BR rules & regulations.
- **Always Hold Safety Meetings.** Place fire and safety equipment in strategic locations.
- Have 50 joints 2-3/8" 4.7# EUE J-55 tubing on location.
- Spot and fill **11** frac tanks with 2% KCl water.
- **(1) 4-1/2" CIBP, (2) 4-1/2" RBP (1) 4-1/2" PKR** required for 4-1/2" 13.5# N-80 pipe.
- **(1) 7" PKR** needed for fracs.
- **2 jts 2-7/8" 6.5# J55** tubing needed for fracs.
- **3-1/2" frac string may be required** if there is a casing leak (not expected).
- Be prepared to flow back Lewis frac immediately.

This well is part of the 1997 Allison Mesaverde optimization program. The well is currently producing in the Dakota at 455 MCFD with a cumulative production of 939 MMCF. The Mesaverde will be completed in this wellbore in three stages (Point Lookout and Menefee/Cliffhouse 25# xlink fracs, and a Lewis foam frac). The well will be returned to production as a MV/DK commingle immediately upon completion of the workover.

NOTE: Dakota perfs open 8068' - 8170'

1. MIRU. Record and report SI pressures on tubing, casing, & bradenhead. Blow down casing & tubing. Kill well w/ 2% KCl. ND WH, NU BOP.

2. TOOH w/ 2-3/8" tubing (from 8169'). Rabbit and strap tubing. Visually inspect tubing, note any scale in tubing. Lay down any bad tubing.

3. PU 3-7/8" bit and 4-1/2" casing scraper on 2-3/8" tbg, clean out w/ air/mist to PBTD @ **8195'**. TOOH.

4. RU wireline. Set 4-1/2" RBP @ **6415'** to isolate Dakota.

5. Load hole from surface w/ 2% KCl water. Test casing from surface to 5000 psi. If PT does not hold, TIH w/ PKR, locate hole(s). Engineering will provide squeeze design if required.

6. Complete all squeeze cementing operations. WOC recommended time. Drill out cement. Pressure test to 1000 psi.

Point Lookout Completion:

7. If already in hole, spot 200 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor) across PL @ 6052'. TOOH. (If separate trip is required, skip spotting acid.)

8. RU wireline under packoff. Perforate PL (top-down if in acid) @ the following depths with 3-1/8" HSC gun w/ Owen 302T 10g charges (0.28" hole, 11" penetration), 1 SPF @ 120 degree phasing.

5798'	**5801'**	**5816'**	**5823'**	**5836'**	**5839'**
5842'	**5845'**	**5848'**	**5851'**	**5854'**	**5857'**
5862'	**5865'**	**5868'**	**5871'**	**5879'**	**5881'**
5893'	**5895'**	**5913'**	**5915'**	**5929'**	**5931'**
5944'	**5946'**	**6048'**	**6050'**	**6052'**	

(29 total holes, 254' gross interval)

9. TIH w/ 7" FB PKR on 2 jts 2-7/8" tubing, set PKR.

10. RU stimulation company. Pressure test surface lines to 6000 psi. **Max pressure = 5000 psi.** Prepare to break down PL w/ 1000 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor). Establish rate into formation. Record breakdown pressure and rate and ISIP. **Note: Calculate the number of perforations open at beginning of the job. If 90% (or more) of the holes calculate to be open, pump acid but do not drop balls. Be prepared to continue right into frac job.** If less then 90% of holes are open proceed to next step. If an injection rate of > 5 BPM can be established, prepare to balloff.

11. Begin balloff. Drop a total of 58 7/8" 1.3 SG RCN ball sealers spaced evenly throughout job. RD stimulation company. Unseat packer and TOOH.

12. RU wireline company. RIH with 4-1/2" junk basket to recover ball sealers. Run basket by perforations several times to ensure maximum ball recovery. POOH and RD wireline company. Record number of hits and balls recovered.

13. PU 7" packer on 2-7/8" tubing and reset @ 60'. RU stimulation company. Pressure test surface lines to 6000 psi. **Maximum STP = 5000 psi.** Fracture stimulate the PL w/ 100,000# 20/40 Arizona sand in 25# Xlink. See attached frac schedule for details. *(4 frac tanks needed)*

14. Release PKR and TOOH. TIH w/ 4-1/2" RBP and 4-1/2" PKR on 2-3/8" workstring. Set RBP @ 5760'. Set PKR above RBP, test to 5000 psi. Release PKR.

Menefee/Cliffhouse Completion:

15. Spot 400 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor) across MN/CH @ 5736'. TOOH.

16. RU wireline under packoff. Perforate MN/CH (top-down if in acid) @ the following depths with 3-1/8" HSC gun w/ Owen 302T 10g charges (0.28" hole, 11" penetration), 1 SPF @ 120 degree phasing.

5230'	**5232'**	**5302'**	**5304'**	**5306'**	**5322'**
5324'	**5370'**	**5372'**	**5382'**	**5384'**	**5386'**
5429'	**5431'**	**5502'**	**5504'**	**5644'**	**5648'**
5652'	**5654'**	**5660'**	**5664'**	**5705'**	**5708'**
5711'	**5724'**	**5728'**	**5732'**	**5736'**	

(29 total holes, 506' gross interval)

17. TIH w/ 7" FB PKR on 2 jts 2-7/8" tubing, set PKR.

18. RU stimulation company. Pressure test surface lines to 6000 psi. **Max pressure = 5000 psi.** Prepare to break down MN/CH w/ 1000 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor).

Establish rate into formation. Record breakdown pressure and rate and ISIP. **Note: Calculate the number of perforations open at beginning of the job. If 90% (or more) of the holes calculate to be open, pump acid but do not drop balls. Be prepared to continue right into frac job.** If less then 90% of holes are open proceed to next step. If an injection rate of > 5 BPM can be established, prepare to balloff.

19. Begin balloff. Drop a total of 58 7/8" 1.3 SG RCN ball sealers spaced evenly throughout job. RD stimulation company. Unseat packer and TOOH.

20. RU wireline company. RIH with 4-1/2" junk basket to recover ball sealers. Run basket by perforations several times to ensure maximum ball recovery. POOH and ND wireline company. Record number of hits and balls recovered.

21. PU 7" packer and reset @ 60'. RU stimulation company. Pressure test surface lines to 6000 psi. **Maximum STP = 5000 psi.** Hold 500 psi on annulus. Fracture stimulate the MN/CH w/ 100,000# 20/40 Arizona sand in 25# Xlink. See attached frac schedule for detail. Frac will be traced with Protechnics' multi-isotope system. *(4 frac tanks needed)*

22. Release PKR and TOOH. TIH w/ 4-1/2" RBP and 4-1/2" PKR on 2-3/8" workstring. Set RBP @ 4960'. Set PKR above RBP, test to 5000 psi. Release PKR.

Lewis Completion:

23. Spot 350 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor) across Lewis @ 4925'. TOOH.

24. Perforate Lewis @ the following depths w/ 3-1/8" HSC gun w/ Owen 306 12g charges (0.35" hole, 10" penetration), 1 SPF @ 120 degree phasing.

4490' - 4500'

4910' - 4925'

(50 total holes, 435' gross interval)

25. TIH w/ 7" FB PKR on 2 jts 2-7/8" tubing, set PKR. RU immediate flowback equipment.

26. RU stimulation company. Pressure test surface lines to 6000 psi. **Max pressure = 5000 psi.** Prepare to break down Lewis w/ 1000 gallons **15% HCL acid** (w/ 2 gal/1000 corrosion inhibitor). Establish rate into formation. Record breakdown pressure and rate and ISIP. **Note: Calculate the number of perforations open at beginning of the job. If 90% (or more) of the holes calculate to be open, pump acid but do not drop balls. Be prepared to continue right into frac job.** If less then 90% of holes are open proceed to next step. If an injection rate of > 5 BPM can be established, prepare to balloff.

27. Begin balloff. Drop a total of 100 7/8" 1.3 SG RCN ball sealers spaced evenly throughout job. RD stimulation company. Unseat packer and TOOH.

28. RU wireline company. RIH with 4-1/2" junk basket to recover ball sealers. Run basket by perforations several times to ensure maximum ball recovery. POOH and ND wireline company. Record number of hits and balls recovered.

29. PU 7" packer and reset @ 60'. RU immediate flowback equipment.

30. RU stimulation company. Pressure test surface lines to 6000 psi. **Maximum STP = 5000 psi.** Fracture stimulate the Lewis w/ 200,000# 20/40 Arizona sand in 70Q N2 foam. See attached frac schedule for details. Frac will be traced with Protechnics' multi-isotope system. *(3 frac tanks needed)*

31. Flow back well immediately after shutdown -- **NOTE: Time from frac shut-down until flow tee is opened for flow back should be around 30 seconds. Time is critical to achieve reverse gravel packing. Begin flowback on 1/4" choke, increase as needed.** Flowback should continue for at least 15 minutes before shutting in to RD surface stim lines/connections. Flowback should be resumed immediately after RD.

32. TIH w/ 3-7/8" bit on 2-3/8" tubing and clean out to RBP @ 4960'. TOOH, PU retrieving head, TIH to RBP @ 4960'. Pull up above Lewis perfs, obtain pitot gauge. Latch onto RBP, TOOH & LD RBP and retrieving head.

33. TIH w/ 3-7/8" bit on 2-3/8" tubing and clean out to RBP @ 5760'. TOOH, PU retrieving head, TIH to RBP @ 5760'. Pull up above Lewis perfs, obtain pitot gauge. Latch onto RBP, TOOH & LD RBP and retrieving head.

34. TIH w/ 3-7/8" bit on 2-3/8" tubing and clean out to RBP @ 6415'. TOOH, PU retrieving head, TIH to RBP @ 6415' . Pull up above Lewis perfs, obtain pitot gauge. Latch onto RBP, TOOH & LD RBP and retrieving head.

35. TIH w/ 3-7/8" bit on 2-3/8" tubing and clean out to PBTD @ 8195'. Clean up to +/- 5 BPH and trace to no sand. Obtain final pitot gauge. TOOH.

36. RU wireline under packoff. Run Protechnics' after-frac log across traced stimulated zones. RD wireline.

* → CHECK to see if commingling has been approved!! May have to T/A Dakota and

37. Prepare to run production tubing string as follows: expendable check, one joint 2-3/8" tubing, 1.78" seating nipple, and remaining tubing. Land tubing @ 8140' +/-.

awai
appro
Comm

38. ND BOP, NU WH. Test seals on tubing head. Pump off expendable check and aluminum plug. Flare well up tubing on both sides to pit to ensure checks pumped off.

39. RD, release rig to next location.

Concur: 7/14/97
Northeast Basin Team Leader

Approved: 7/14/97
Drilling Superintendent

JME JME

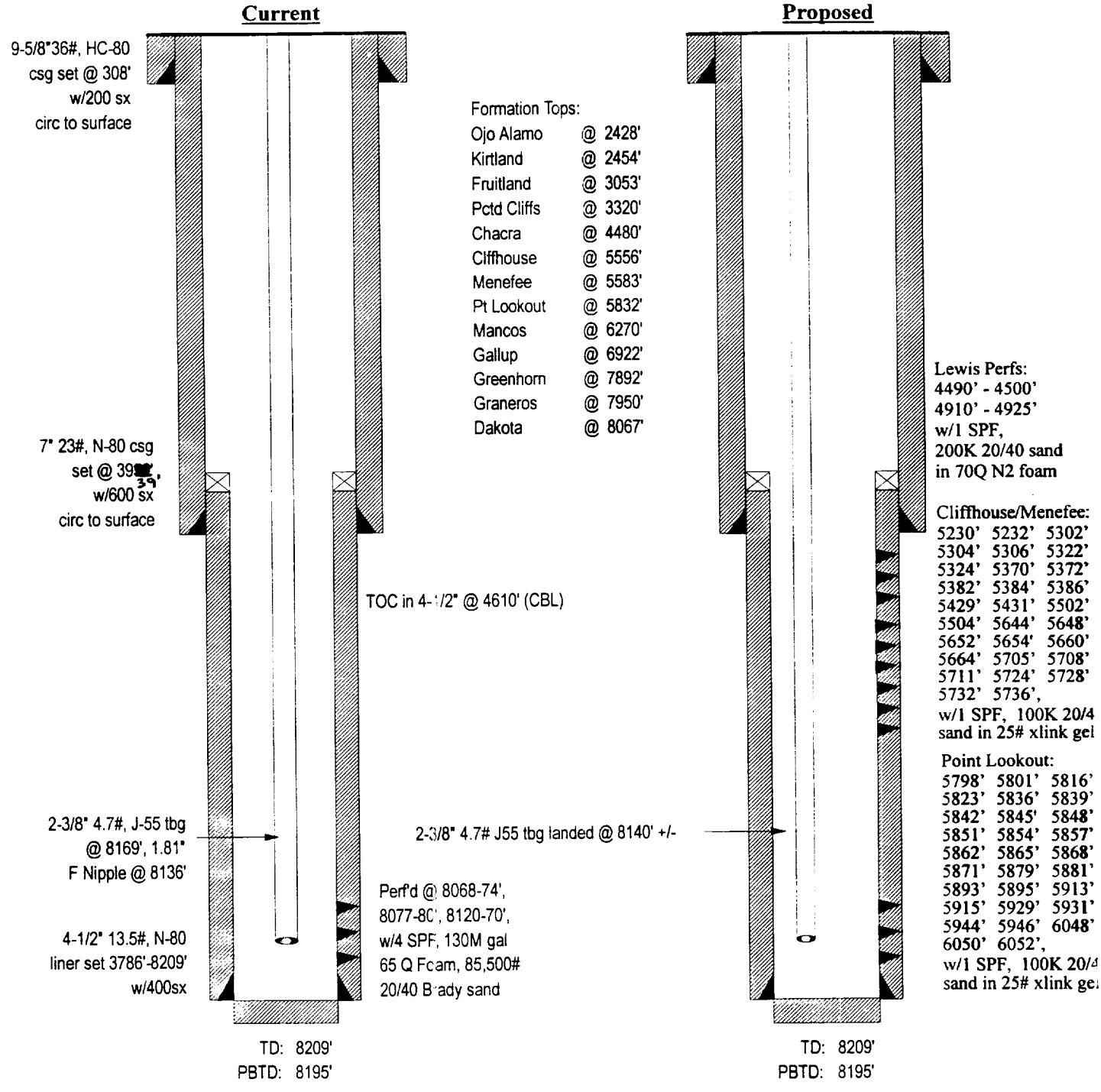
Production Engineers:

Joan Easley	Gaye White
599-4026-work	326-9875-work
324-2717-pager	327-8904-pager
327-6843-home	326-6534-home

Allison Unit #34

Blanco Mesaverde/Basin Dakota

Unit K, Section 11, T32N, R7W
San Juan County, NM
Elevation: 6655 GL
LAT: 36 59.58' / LONG: 107° 32.28'
date spud: 09-25-91



BURLINGTON RESOURCES
03/12/97: dla

JMS 4/1/97

PERTINENT DATA SHEET

Allison Unit #34

4/1/97

LOCATION:	1970' FSL, 1870' FWL Unit K, Sec. 11, T32N, R07W San Juan County, NM	**DP NUMBER:** **PROP. NUMBER:** **LAT / LONG:**	21467A 007971402 36-59.58' / 107-32.28'
WELL TYPE:	Basin Dakota	**ELEVATION:** KB GL	6668' 6655'
TOTAL DEPTH: **PBTD:**	8209' 8195'	**INITIAL POTENTIAL:** **INITIAL SITP:**	2995 Mcfd AOF 1100 Psig

OWNERSHIP:	DK	MV	
GWI:	99.0431%	54.0568%	
NRI:	84.3122%	45.8959%	
SJBT:	0.1454%	0.1776%	(RI)

SPUD DATE: 09/25/91
COMPLETED: 11/09/91
CATHODIC: YES (date?)

CASING RECORD:

HOLE SIZE	SIZE	WEIGHT	GRADE	DEPTH	EQUIP.	CEMENT	TOC
12-1/4"	9-5/8"	36#	HC-80	308'		200 sxs	Surface
8-3/4"	7"	23#	N80	3939'		600 sxs	Surface
6-1/4"	4-1/2"	13.5#	N80	3786' - 8209'		400 sxs	4610' (CBL)
Tubing	2-3/8"	4.7#	J55, 8Rd	8169'	1.81" F Nipple @ 8136'		

FORMATION TOPS:

Ojo Alamo	2428'	Chacra	4480'	Mancos	6270'
Kirtland	2454'	Cliffhouse	5556'	Gallup	6922'
Fruitland Coal	3053'	Menefee	5583'	Greenhorn	7892'
Pictured Cliffs	3320'	Point Lookout	5832'	Graneros	7950'
				Dakota	8067'

LOGGING: DIL, CNL, LDT, GR

PERFORATIONS 8068'-8074', 8077'-8080', 8120'-8170' - 4 SPF

STIMULATION: Frac w/130M gal 65 Q Foam, 85,500# 20/40 Brady sand

WORKOVER HISTORY: 11/19/91 Pressure survey: BHP @ 8150' = 1418 psig.
Water level @ 7665'

PRODUCTION HISTORY:	Gas	Oil	Water
Cumulative as of 2/97:	939 MMcf	0 bo	
Current as of 2/97:	455 Mcfd	0 bo	

RESERVE INFORMATION:	Gas	Oil
Gross EUR	5530 MMcf	0
Gross Remaining Reserves	4591 MMcf	0

PIPELINE: Williams Field Service

JMS 4/6/97