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)
30-045-21319

5. **Lease Number**
Fee

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

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

7. **Lease Name/Unit Name**
Allison Unit

8. **Well No.**
18

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

9. **Pool Name or Wildcat**
W. Wildcat 32N 07W 25 ~~Wildcat~~ Gallup/
Basin Dakota

4. **Location of Well, Footage, Sec., T, R, M**
825'FNL, 1850'FEL, Sec.25, T-32-N, R-7-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 recomplete the subject well to the Gallup formation according to the attached procedure and wellbore diagram. The Dakota formation will be ~~temporarily abandoned~~ with a cast iron bridge plug while the Gallup is tested for six to nine months.

SI

JAN 2000
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OIL CON. DIV
DIST. 3

SIGNATURE Peggy Cole (BGOpps)Regulatory Administrator January 27, 2000

no

(This space for State Use)

Approved by _____ Title SUPERVISOR DISTRICT # 3 Date JAN 28 2000

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-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

¹ API Number	² Pool Code	³ Pool Name
30-045-21319	71006/71599	32N07W25B6 Wildcat Gallup/Basin Dakota

⁴ Property Code	⁵ Property Name	⁶ Well Number
6784	Allison Unit	18

⁷ OGRID No.	⁸ Operator Name	⁹ Elevation
14538	Burlington Resources Oil & Gas Company	6451' GR

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
B	25	32N	7W		825'	North	1850'	East	SJ

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.
Gal-160 DK-N/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

825'

1850'

Original plat from
Fred B. Kerr Jr. 8-4-73

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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 Cole
Printed Name

Regulatory Administrator
Title

1-26-00
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 me or under my supervision, and that the same is true and correct to the best of my belief.

Date of Survey

Signature and Seal of Professional Surveyer:

Certificate Number

Allison Unit # 18
Mancos (Gallup) Recompletion Procedure
Unit B, Section 25, T32N, R07W
Lat: 36°- 57.36'/Long: 107° – 30.88'

Summary:
This well is currently completed in the Dakota. Cumulative production from the DK is 383 MMCF and is currently producing at 60 MCFD. It is intended to recomplete the Mancos interval, produce Mancos only for 6-9 months, run production logs and pressure build-up tests, and eventually commingle the Mancos/Dakota production. The Mancos will be stimulated in two stages using a total of 200,000 lbs 20/40 Tempered LC sand in a 25# gel system.

1. Inspect location and test rig anchors. Comply with all NMOCD, BLM, Forestry & BR rules and regulations. Dig flowback pit. Haul to location a new or inspected 1000', 2-3/8" 4.7# J-55 production string and 10-400 bbl frac tanks.

2. MIRU. Fill 400 bbl tanks w/ 3# biocide/tank & 2% KCL water. Put one load of fresh water in each tank before adding 20% concentrated KCL water. Run fluid tests on water. Filter water based upon stimulation company water analysis. Record and report SI pressures on tubing, casing and bradenhead. Lay blowdown line. Blow well down and kill with 2% KCL water as necessary. ND WH and NU BOP, offset spool, and offset rams with flow tee and stripping head. Test operation of rams. NU blooie line and 2-7/8" relief line. Redress production wellhead as needed.

3. TOOH with 2-3/8" 4.7 lb/ft J-55 EUE Dakota string set at 8052' and standback. Visually inspect tubing, replace as needed. Note and report any scale in/on tubing.

4. PU and RIH with a 3-7/8" bit, 4-1/2" (11.6 lb/ft) casing scraper on the 2-3/8" 4.7# J-55 production string. Clean out to PBTD (~8077') with air/mist. TOOH.

5. TIH with **tubing set** 4-1/2" CIBP on 2-3/8" 4.7# J-55 tubing. Set CIBP at 7800'. Release from CIBP and fill casing with ~ 122 bbls 2% KCL. TOOH.

6. RU wireline company. Run GR-CBL-CCL from 7750' to 200' above clean top of cement under 1000 psi. Evaluate CBL. Good cement bond must exist from 7700' to 6500' to continue with the procedure. ND wireline company.

7. TIH with 4-1/2" packer and 2 joints of 2-7/8", buttress frac string. Set packer for wellhead isolation. Pressure test CIBP and casing to 3800 psi. Bleed off pressure. Release packer and TOOH. LD packer and stand back 2-7/8" buttress joints.

8. TIH with open ended 2-3/8" 4.7# J-55 tubing. RU stimulation company. Spot 10 bbls 15% HCl across the Sanastee perf interval (7436'-7686'). RD stimulation company. TOOH.

9. NU wireline. Perforate (Top Down in acid) Lower Mancos interval as follows using select fire HSC guns loaded with Titan 14 gram Prospector charges set at **1 SPF** (Av. perf diameter - 0.30", Av. pen. -22.2" in concrete). **7436', 7440', 7444', 7448', 7452', 7456', 7510', 7515', 7520', 7580', 7585', 7590', 7666', 7670', 7674', 7678', 7682', 7686' (18 holes total)** ND wireline company.

10. TIH with 4-1/2" pkr / RBP combo on 2-3/8" tbg. Set packer and RBP at the depths listed below. Perform breakdown with 15% HCl on each interval.

Setting #	Packer Depth	RBP Depth	Perf Interval
1	7550'	7710'	7610'- 7780' (9 perfs)
2	7400'	7550'	7365'- 7468' (9 perfs)

11. RU stimulation company. Test surface lines to 7200 psi. **Max surface pressure = 6200 psi at 8 BPM. Max static pressure = 6200 psi.** Break down each setting interval with 200 gallons 15% HCl. Pump at 8 BPM until breakdown is achieved and start on flush. Pump 1 tbg volume of 2% KCl and shut down. Record ISIP for each setting. Release pressure, release pkr, and TIH to RBP. Latch on to RBP and move to next setting depth. Continue this process for both setting depths. TOOH.

12. TIH with 4-1/2" pkr on 2 jts 2-7/8" 6.5# N80 buttress tbg set at 60'. RU stimulation company. Test surface lines to 5000 psi. **Max surface pressure = 4000 psi.** Fracture stimulate the first stage w/ 100,000# 20/40 Arizona sand in 25# gel at 35 BPM. See attached frac schedule for details. Frac will be tagged with radioactive tracers (0.4 mCi Ir-192, 0.3 mCi Sb-124, and 0.3 mCi Sc-46). (4 *frac tanks needed)*

13. Record ISIP, 5, 10 and 15 minute shut-in pressures. Shut-in frac valve. RD stimulation company. Install flowback line above frac valve. TOOH and standback.

14. TIH with 4-1/2" CIBP and packer on 2-3/8" 4.7# J-55 tubing. Set CIBP at 7000'. Release from CIBP and PUH with packer. Set packer just above CIBP and pressure test to 3800 psi. Bleed off pressure. Release packer.

15. Spot 10 bbls 15% HCl across Upper Mancos perf interval (6580'-6880'). RD stimulation company. TOOH.

16. NU wireline. Perforate (Top Down in acid) Upper Mancos interval as follows using select fire HSC guns loaded with Titan 14 gram Prospector charges set at **1 SPF** (Av. perf diameter - 0.30", Av. pen. -22.2" in concrete). **6580', 6584', 6588', 6592', 6596', 6600', 6720', 6724', 6728', 6732', 6736', 6740', 6790', 6794', 6798', 6802', 6806', 6810', 6860', 6864', 6868', 6872', 6876', 6880' (24 holes total)** ND wireline company.

17. TIH with 4-1/2" pkr / RBP combo on 2-3/8" tbg. Set packer and RBP at the depths listed below. Perform breakdown with 15% HCl on each interval.

Setting #	Packer Depth	RBP Depth	Perf Interval
1	6770'	6900'	6790'- 6880' (12 perfs)
2	6560'	6770'	6580'- 6740' (12 perfs)

18. RU stimulation company. Test surface lines to 7200 psi. **Max surface pressure = 6200 psi at 8 BPM. Max static pressure = 6200 psi.** Break down each setting interval with 200 gallons 15% HCl. Pump at 8 BPM until breakdown is achieved and start on flush. Pump 1 tbg volume of 2% KCl and shut down. Record ISIP for each setting. Release pressure, release pkr, and TIH to RBP. Latch on to RBP and move to next setting depth. Continue this process for both setting depths. TOOH.

19. TIH with 4-1/2" pkr on 2 jts 2-7/8" 6.5# N80 buttress tbg set at 60'. RU stimulation company. Test surface lines to 5000 psi. **Max surface pressure = 4000 psi.** Fracture stimulate the second stage w/ 100,000# 20/40 Arizona sand in 25# gel at 35 BPM. See attached frac schedule for details. Frac will be tagged with radioactive tracers (0.4 mCi Ir-192, 0.3 mCi Sb-124, and 0.3 mCi Sc-46). (4 *frac tanks needed)*

20. Record ISIP, 5, 10 and 15 minute shut-in pressures. Shut-in frac valve. RD stimulation company. Install flowback line above frac valve.

21. TOOH and laydown frac string and 4-1/2" pkr.

22. TIH with 3-7/8" bit on 2-3/8" 4.7# J-55 tubing and clean out to 7000'. Alternate between blow and natural flow stages until water rates are less than 1 BPH. **Take an Upper Mancos pitot gauge**. Drill out CIBP at 7000'. Use a 10-12 BPH mist rate while drilling CIBP.

23. Continue to clean out well to 7800'. Alternate between blow and natural flow stages until water rates are less than 1 BPH. Take a total Mancos pitot gauge. TOOH.

24. TIH with an expendable check, one 2-3/8" joint, standard SN and remaining 2-3/8" tubing. Broach tubing while running in hole. CO with air/mist to PBTD again, if necessary. **Obtain final Mancos pitot gauge.** Land tubing at 7680'. ND BOP. NU WH. Pump off expendable check. RDMO. Contact Production Operations for well tie-in.

25. RU Pro-Technics. Run After-Frac log across Mancos (6450-7720'). RD Pro-Technics

26. CIBP above the Dakota perfs will remain for 6-9 months for accurate testing of the Mancos zone. After this period, post frac injection tests will be performed on the Mancos and production logs will be run. Finally the well will be placed on commingled production.

Recommend: _____ Approved: PJB 1/12/00
Production Engineer 11-30-99 Drilling Superintendent

Approved: _____
Team Leader

VENDORS:

Wireline:	Schlumberger	325-5006
Stimulation:	Halliburton	325-3575

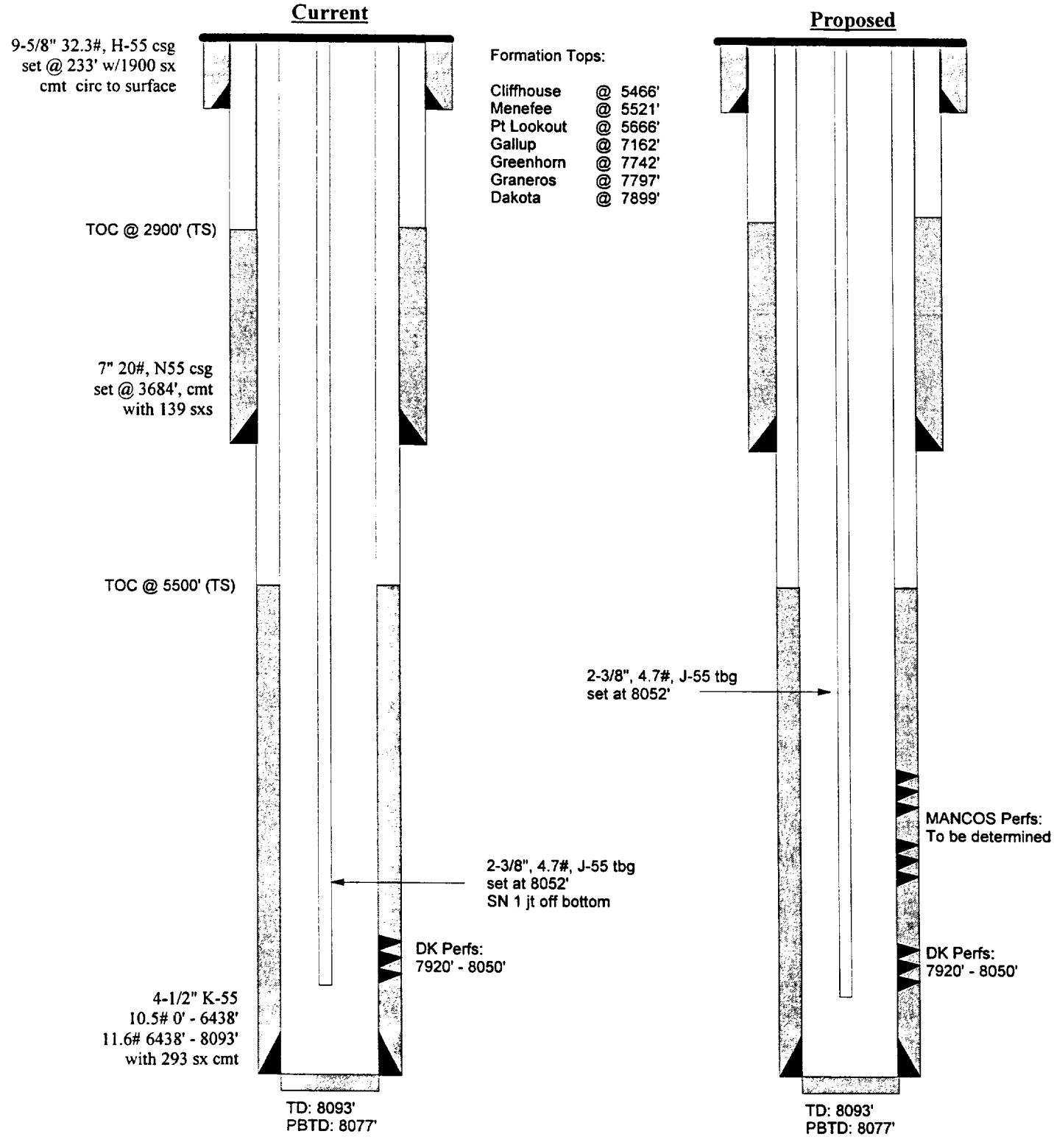
Contact:

Bobby Goodwin	326-9713 (work)	599-0992 (home)	564-7096 (pager)
Neale Roberts	326-9856 (work)		

Allison Unit # 18

Basin Dakota

Unit B, Section 25, T32N, R07W
San Juan County, NM
Elevation: 6451' GL, 6463' KB
LAT: 36° 57.36' / LONG: 107° 30.88'
date spud: 10/25/73



BURLINGTON RESOURCES
6/24/99: RLG3