

submitted in lieu of Form 3160-5

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

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

1770' FNL, 870' FWL, Sec. 21, T-32-N, R-6-W, NMPM

5. Lease Number
SF-081155

6. If Indian, All. or
Tribe Name

7. Unit Agreement Name
Allison Unit

8. Well Name & Number
Allison Unit #51A

9. API Well No.
30-045-21328

10. Field and Pool
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 -
☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut off
☐ Conversion to Injection

13. Describe Proposed or Completed Operations

It is intended to plug and abandon the subject well according to the attached procedure and wellbore diagram.

San Jose Surface

2000 NOV 30 PM 2:19
070 FARMINGTON, NM

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

Signed Tammy Wimsatt Title Regulatory Supervisor Date 11/28/00
TLW

(This space for Federal or State Office use)

APPROVED BY JOE STEPHEN MATH Title Date 12/19/00

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.

NR000

Allison Unit #51A
Mesaverde Formation, DPNO: 4530901
1650' FNL, 1180' FEL
Unit E, Section 21, T-32-N, R-06-W
Latitude: 36° 58.0975', Longitude: 107° 28.1579'

Recommendation

The Allison Unit 51A was drilled in 1973 and completed in the Dakota formation. The Dakota zone was plugged under three cement retainers in 1978 and recompleted to the Mesaverde formation. Furthermore, a squeeze job was performed in May of last year to repair a casing hole. It took two attempts to repair the hole, but the squeeze finally tested ok to 500 psi. This well failed a Bradenhead test on 5/17/00, and has not consistently produced since 09/98. The Allison Unit #51A was evaluated for uphole potential in the Pictured Cliffs and/or Fruitland-Coal formations. Because the wellbore's integrity is doubtful, this well is not a candidate for either zone.

Plug and Abandonment Procedure

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

1. Install and test location rig anchors if necessary. Prepare blow pit. Comply with all NMOCD, BLM, and Burlington safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. NU relief line and blow down well; kill with water as necessary. ND wellhead and NU BOP. Test BOP.
2. TOH and tally 187 joints EUE 2-3/8" tubing, total 5814'. If necessary LD and PU workstring. Round-trip 4-1/2" gauge ring to 5252', or as deep as possible.
3. **Plug #1 (Mesaverde Interval, 5252' - 5152')**: Set 4-1/2" CIBP or cement retainer at 5252'. TIH with open-ended tubing and tag. Load well with water and circulate clean. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as appropriate. Mix 12 sxs Class B cement and spot a balanced plug above to isolate Mesaverde perforations. PUH to 3145'.
4. **Plug #2 (Pictured Cliffs and Fruitland tops, 3145' - 2910')**: Mix 22 sxs Class B cement and spot a balanced plug inside casing to cover the Pictured Cliffs and Fruitland tops. PUH to 2495'.
5. **Plug #3 (Kirtland and Ojo Alamo tops, 2495' - 2200')**: Mix 26 sxs Class B cement and spot a balanced plug inside to cover the Kirtland and Ojo Alamo tops. PUH to 1260'.
6. **Plug #4 (Nacimiento top, 1260' - 1160')**: Mix 12 sxs Class B cement and spot a balanced plug inside casing to cover Nacimiento top. TOH and LD tubing.
7. **Plug #5 (9-5/8" casing shoe, 458' - surface)**: Perforate 3 HSC squeeze holes at 458'. Establish circulation out bradenhead. Mix approximately 180 sxs Class B cement and pump down 4-1/2" casing from 458' to surface, circulate good cement out bradenhead. Shut in well and WOC.
8. ND BOP and cut off wellhead below surface casing. Install P&A marker to comply with regulations. RD, MOL, cut off anchors, and restore location.

Recommended: _____

Operations Engineer

Approved: _____

Drilling Superintendent

Regulatory Approval: _____

Required: Yes ☒ No ☐

Operations Engineer: _____

Kevin W. Book

Pager - 326-8452

Home - 326-6236

BR Office - 326-9530

Allison Unit #51A

Current

AIN #4530901

Blanco Mesaverde

NW, Section 21, T-32-N, R-6-W, San Juan County, NM

Latitude /Longitude

Today's Date: 9/2500

Spud: 9/16/73

DK Completion: 11/30/73

MV Re-Completion: 10/23/78

Elevation: 6405' GL

13-3/4" hole

TOC @ 800' (Well file)

Nacimiento @ 1210'

Ojo Alamo @ 2250'

Kirtland @ 2445'

Fruitland @ 2960'

Pictured Cliffs @ 3095'

Mesaverde @ 5302'

Gallup @ 6747'

Dakota @ 7866'

Casing leak sqzd,
2485' - 1882' with
250 sxs (Jun '99)

9-5/8" 32.3#, H-55 Casing set @ 408'
Cmt with 420 cf (Circulated to Surface)

Well History

May '75: Set CR at 7971', to shut off water.

Oct '78: Re-completion: Set CR and squeezed off DK perms; spot 60 sxs across Gallup; ran CBL then block squeezed with total of 425 sxs cement before perforating the Mesaverde; ran CBL and perf and frac MV zone; blow and then land tubing.

Jun '99: Casing Repair: Pull tubing, clean out to 6051'; acidize MV perms; set RBP and found holes in casing 2375' - 2406' with packer; squeeze leak with 200 sxs; DO, no PT; re-squeeze with 50 sxs, DO and PT to 500#; pull RBP and blow well clean, land tubing.

2-3/8" Tubing Set at 5814'
(187 joints, EUE)

DV Tool @ 3337'
Cmt w/ 595 cf

TOC @ 5050' ('99 CBL)

Mesaverde Perforations:
5309' - 5921'

DV Tool @ 5756'
Cmt w/ 234 cf

CR @ 6092', Perf 2 sqz holes at
6150', 5819' sqz total 340 sxs (Oct '78)

Plugged GL top w/60 sxs (Oct '78)

CR @ 7832' (Oct '78)
sqz DK perms w/100 sxs

Dakota Perforations: 7847' - 7998'

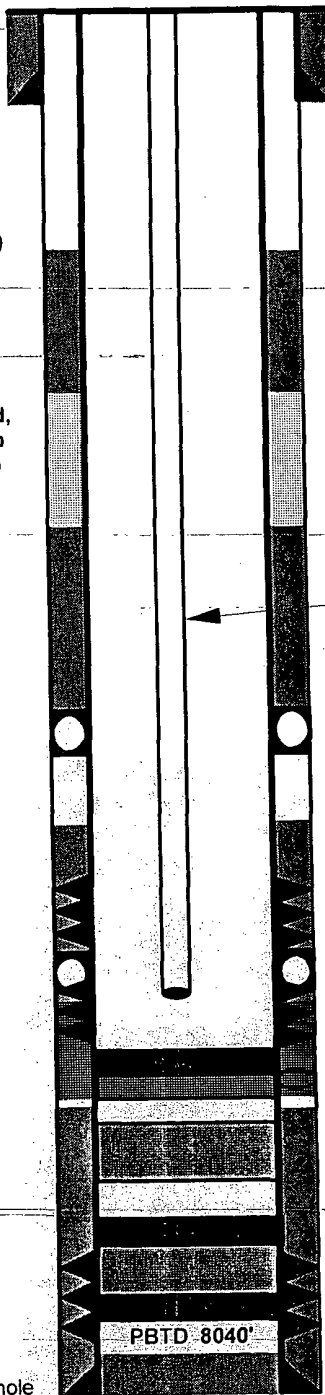
CR @ 7971' (May '75)

4-1/2" 11.6#/10.5# K-55 Casing set @ 8058'
Cemented with 465 cf

8-3/4" & 7-7/8" hole

TD 8058'

PBTD 8040'



Allison Unit #51A

Proposed P&A

AIN #4530901

Blanco Mesaverde

NW, Section 21, T-32-N, R-6-W, San Juan County, NM

Latitude /Longitude

Today's Date: 9/2500

Spud: 9/16/73

DK Completion: 11/30/73

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Casing leak sqzd,
2485' - 1882' with
250 sxs (Jun '99)

8-3/4" & 7-7/8" hole

PBTD 8040'

TD 8058'

9-5/8" 32.3#, H-55 Casing set @ 408'
Cmt with 420 cf (Circulated to Surface)

Perforate @ 458'

Plug #5 458' - Surface
Cmt with 180 sxs Class B

Plug #4 1260' - 1160'
Cmt with 12 sxs Class B

Plug #3 2495' - 2200'
Cmt with 26 sxs Class B

Plug #2 3145' - 2910'
Cmt with 22 sxs Class B

DV Tool @ 3337'
Cmt w/ 595 cf

TOC @ 5050' ('99 CBL) Plug #1 5252' - 5152'
Set CIBP @ 5252' Cmt with 12 sxs Class B

Mesaverde Perforations:
5309' - 5921'

DV Tool @ 5756'
Cmt w/ 234 cf

CR @ 6092', Perf 2 sqz holes at
6150', 5819' sqz total 340 sxs (Oct '78)

Plugged GL top w/60 sxs (Oct '78)

CR @ 7832' (Oct '78)
sqz DK-perfs w/100 sxs

Dakota Perforations: 7847' - 7998'

CR @ 7971' (May '75)

4-1/2" 11.6#/10.5# K-55 Casing set @ 8058'
Cemented with 465 cf