

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**

Billco Energy

3. **Address & Phone No. of Operator**

#28 County Road 1490, La Plata, NM 87418, 505-326-6015

Location of Well, Footage, Sec., T, R, M

660' FNL and 330' FWL, Sec. 26, T-28-N, R-1-W,

5. **Lease Number**

Contract #240

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

Tribe Name

Jicarilla Apache

7. **Unit Agreement Name**

8. **Well Name & Number**

Boulder Mancos #1

9. **API Well No.**

10. **Field and Pool**

Boulder Mancos

11. **County & State**

Rio Arriba County, 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

☐ Re-completion

☐ 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

Billco Energy plans to plug and abandon this well per the attached procedure.

Well name when drilled in 1962 was the Jicarilla 4-26 #1

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

Signed

Randy Thille

Title Operator

Date 5/10/02

Randy Thille

(This space for Federal or State Office use)

APPROVED BY

/s/ Patricia M. Hester

Title

Lands and Mineral Resources

Date

JUN 5 2002

CONDITION OF APPROVAL, if any:

Boulder Mancos #1 Well**Jicarilla Apache 4-26 #1**

Boulder-Mancos Pool

660' FNL & 330' FEL, Section 26, T28N, R1W

Rio Arriba County, New Mexico

- 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. All cement will be ASTM Type II, mixed at 15.6 ppg with a 1.18 cf/sx yield.
1. Install and test rig anchors. Prepare blow pit. Comply with all NMOCD, BLM and Billco safety rules and regulations. MOL and RU daylight pulling unit. Blow well down; kill with water if necessary. ND wellhead and NU BOP and stripping head; test BOP.
 2. TOH with 2-3/8" tubing, total 4401' (??, maybe a fish in the well). Inspect tubing, if necessary LD and PU a workstring. Round-trip a 5-1/2" wireline gauge ring or casing scraper to 4300', or as deep as possible.
 3. **Plug #1 (Mancos open hole interval, 4" slotted liner and 5-1/2" casing shoe, 4300' – 4200')**: Set a 5-1/2" cement retainer at 4300'. Pressure test tubing to 1000#. Load casing with water and circulate the well clean. Pressure test casing to 500#. If casing does not test, then spot or tag subsequent plugs as necessary. Mix 12 sxs cement and spot a balanced plug inside casing above the CR to isolate the Mancos open hole interval. TOH with tubing.
 4. **Plug #2 (Point Lookout, 3195' – 3095')**: Perforate 3 squeeze holes at 3195'. If the casing tested, then establish pump rate into squeeze holes. Set 5-1/2" cement retainer at 3145'. Mix and pump 47 sxs cement, squeeze 29 sxs outside casing and leave 18 sxs inside casing to cover the Point Lookout top. TOH with tubing.
 5. **Plug #3 (Lewis Shale, 933' – 833')**: Perforate 3 squeeze holes at 933'. Set 5-1/2" CR at 883'. Mix and pump 47 sxs cement, squeeze 29 sxs outside casing and leave 18 sxs inside casing to cover the Lewis Shale top. TOH and LD tubing.
 6. **Plug #4 (8-5/8" casing shoe, 160' - Surface)**: Perforate 2 squeeze holes at 160'. Establish circulation out bradenhead with water. Mix and pump approximately 70 sxs cement down 5-1/2" casing to circulate cement out the bradenhead valve. Shut in and WOC.
 7. 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.

**Boulder Mancos #1 Well
Jicarilla Apache 4-26 #1
Current**

Boulder Mancos Pool

NW, Section 26, T-28-N, R-1-W, Rio Arriba County, NM

Today's Date: 5/10/02

Spud: 2/4/62

Completed: 3/19/62

Elevation: 7233' GL
7244' KB

Lewis Shale @ 883'

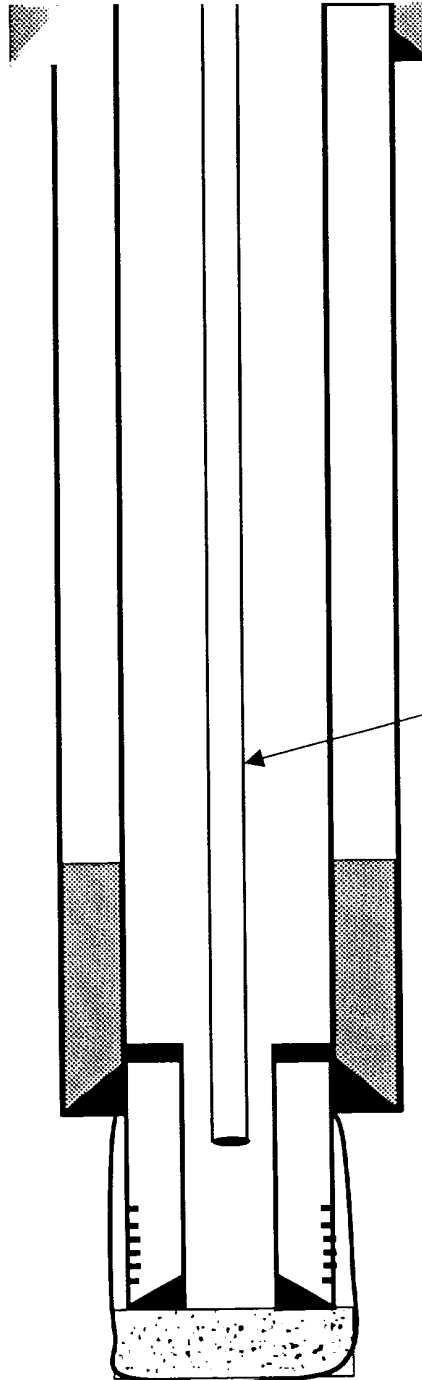
Point Lookout @ 3145'

Gallup @ 4518'

12-1/4" hole

7-7/8" hole

4-3/4" hole



8-5/8" 24#, J-55 Casing set @ 110'
Cmt w/ 100 sxs (Circulated to Surface)

WELL HISTORY

Mar '62: Set un-cemented liner from 4798' to 4331'; frac well and test.

Jun '62: Pull liner. Ran impression packers to locate possible fractures.

Sep '62: Plug back well from 4624' to 4604' with sand and a Hydromite plug at 4552'. Perfed and fraced well. Set 4" liner from 4510' to 4354' (or 4324'). Land tubing and pump well.

Sep '82: Intent to P&A Sundry states.
"determine if fish in hole and establish TD, notify the MMS."

2-3/8" Tubing set at 4401'
(EUE, may have fish in well)

TOC @ 3308' (Calc. 75%)

4" liner top at 4354' or 4323' (reports differ)

5-1/2" 14#, J-55 Casing set @ 4400'
Cement with 200 sxs (252 sxs)

Mancos Open Hole:
4400' - 4510'

Sand & Hydromite Plug
from 4798' to 4510' (1962)

4" 9.5#, J-55 slotted liner from 4510' to 4354'
Un-cement

TD 4798'

Boulder Mancos #1 Well Jicarilla Apache 4-26 #1 Proposed P&A

Boulder Mancos Pool

NW, Section 26, T-28-N, R-1-W, Rio Arriba County, NM

Today's Date: 5/10/02

Spud: 2/4/62

Completed: 3/19/62

Elevation: 7233' GL
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Lewis Shale @ 883'

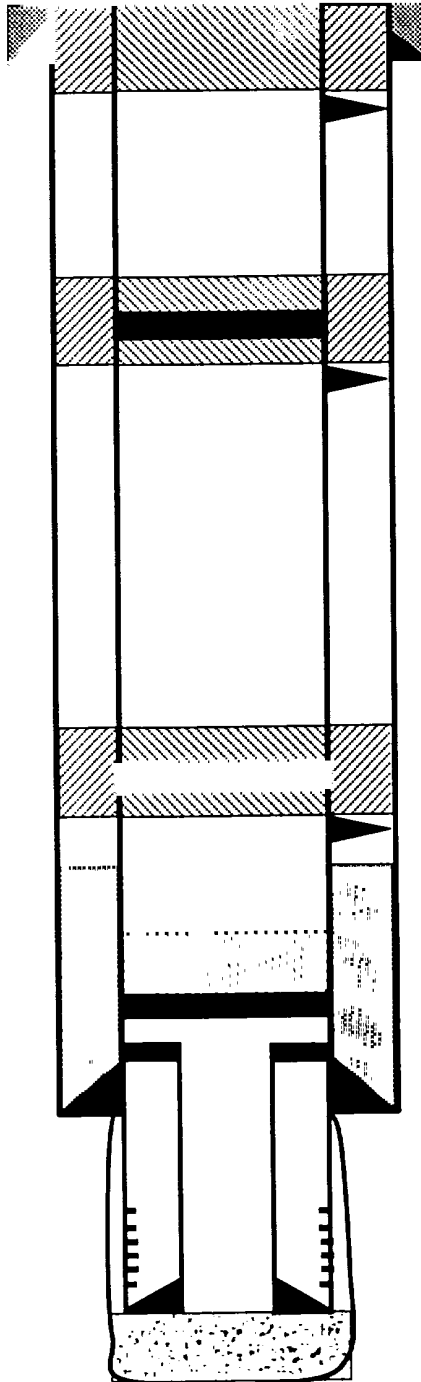
Point Lookout @ 3145'

Gallup @ 4518'

12-1/4" hole

7-7/8" hole

4-3/4" hole



TD 4798'

8-5/8" 24#, J-55 Casing set @ 110'
Cmt w/ 100 sxs (Circulated to Surface)

Perforate @ 160'

Plug #4: 160' - Surface
Cement with 70 sxs

Cmt Retainer @ 883'

Plug #3: 933' - 833'
Cement with 47 sxs,
29 sxs outside casing
and 18 sxs inside.

Perforate @ 933'

Cmt Retainer @ 3145'

Plug #2: 3195' - 3095'
Cement with 47 sxs,
29 sxs outside casing
and 18 sxs inside.

Perforate @ 3195'

TOC @ 3308' (Calc, 75%)

Plug #1: 4300' - 4200'
Cement with 12 sxs

Set 5-1/2" Cmt Ret @ 4300'

4" liner top at 4354' or 4323' (reports differ)

5-1/2" 14#, J-55 Casing set @ 4400'
Cement with 200 sxs (252 sxs)

Mancos Open Hole:
4400' - 4510'

Sand & Hydromite Plug
from 4798' to 4510' (1962)

4" 9.5# J-55 slotted liner from 4510' to 4354'
Un-cement

BLM CONDITIONS OF APPROVAL

The following surface rehabilitation Conditions of Approval must be complied with as applicable, before this well can be approved for final abandonment (see 43 CFR 3162.3-4). Surface rehabilitation work shall be completed within one year of the actual plugging date. Notification for completion of this work should be submitted with a Sundry Notice. Questions? Call Pat Hester at (505) 761-8786.

1. All fences, production equipment, purchaser's equipment, concrete slabs, deadman (anchors), flowlines, risers, debris and trash must be removed from the location. Non-retrieved flowlines and pipelines will be abandoned in accordance with State Rule 714. Information supporting the non-retrieval will be included in the subsequent report or final abandonment Sundry Notice.

2. Production pits will be closed according to the Unlined Surface Impoundment Closure Guidelines, as approved in the Environmental Assessment of December 1993. Any oil stained soils can be remediated on-site according to these guidelines or disposed of in an approved facility.

3. The well pad will be shaped to the natural terrain and left as rough as possible. All compacted areas and areas devoid of vegetation shall be ripped/disked to a minimum of 12" in depth before reseeding.

4. Access roads will be shaped to conform to the natural terrain and left as rough as possible to deter vehicle travel. Access will be ripped to a minimum of 12" in depth, water barred and reseeded. All erosion problems created by the development must be corrected prior to acceptance of release. Water bars should be spaced as shown below along the fall line of the slope:

% Slope	Spacing Interval
Less than 20%	200'
2 to 5 %	150'
6 to 9 %	100'
10 to 15 %	50'
Greater than 15%	30'

5. All disturbed areas will be seeded with the prescribed certified seed mix (reseeding may be required). Seed mix must be certified weed free to avoid the introduction of noxious weeds. Refer to the original APD for seed mix.

6. Notify Surface Managing Agency seven (7) days prior to seeding so that they may be present to witness.

7. The period of liability under the bond of record will not be terminated until the well is inspected and the surface rehabilitation approved.

Other Surface Managing Agencies (SMA's) may vary slightly in their restoration requirements. It is your responsibility, as the operator, to obtain surface restoration requirements from other SMA's. We need to be provided with a copy of these requirements. Any problems concerning stipulations received from other SMA's should be brought to us. On private land, a letter from the fee owner stating that the surface restoration is satisfactory will be provided to the office. Questions? Call Pat Hester at (505) 761-8786.

CONDITIONS OF APPROVAL FOR PERMANENT ABANDONMENT

Operator Billco Energy

Well Name Boulder Mancos #1

Jic 240

T28N, R1W Section 26

660' FNL & 330'FWL

1. Plugging operations authorized are subject to the "General Requirements for Permanent Abandonment of Wells on Federal Leases."
2. Notify Bryce Hammond, Jicarilla Oil and Gas Inspector at (505) 759-3485 extention 31 prior to beginning plugging procedures.
3. Blowout prevention equipment is required.
4. The following modifications to your plugging program are to be made :

Isolate the Cliff House Sandstone (2200') inside and outside Of the casing.

A plug will be placed from 2300' to 2100' to isolate the Cliff House Sandstone at 2200'

Line any pit used in the plugging procedure