

State of New Mexico
Energy, Minerals and Natural Resources Department

USE CURRENT FORM

Form C-103
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION
2040 Pacheco St.
Santa Fe, NM 87505

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

| |
|---|
| WELL API NO. 30-045-05370 |
| 5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/> |
| 6. State Oil & Gas Lease No. E-6597-2 |
| 7. Lease Name or Unit Agreement Name Central Bisti Unit |
| 8. Well No 46 |
| 9. Pool name or Wildcat Bisti Lower Gallup |

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well:
OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
Elm Ridge Exploration Company, LLC

3. Address of Operator
PO Box 156, Bloomfield, NM 87413

4. Well Location
Unit Letter I 1980 Feet From The SOUTH Line and 660 Feet From The EAST Line
Section 16 Township 25N Range 12W NMPM San Juan County

10. Elevation (Show whether DF, RKB, RT, GR, etc.)
6233' KB

| Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data | | | |
|---|--|---|---|
| NOTICE OF INTENTION TO: | | SUBSEQUENT REPORT OF: | |
| PERFORM REMEDIAL WORK <input type="checkbox"/> | PLUG AND ABANDON <input checked="" type="checkbox"/> | REMEDIAL WORK <input type="checkbox"/> | ALTERING CASING <input type="checkbox"/> |
| TEMPORARILY ABANDON <input type="checkbox"/> | CHANGE PLANS <input type="checkbox"/> | COMMENCE DRILLING OPNS. <input type="checkbox"/> | PLUG AND ABANDONMENT <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | | CASING TEST AND CEMENT JOB <input type="checkbox"/> | |
| OTHER <input type="checkbox"/> | | OTHER <input type="checkbox"/> | |

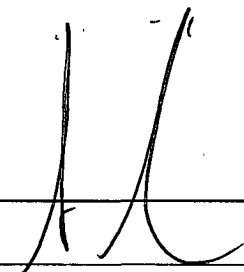
12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent date, including estimated date of starting any proposed work) SEE RULE 1103

Elm Ridge Exploration Company, LLC requests permission to plug and abandon this well according to the attached procedure.

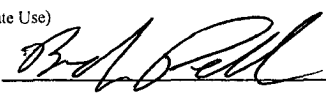
* woc + Tag first plug and all additional plugs unless the casing pressure tests after the first plug.

RCVD APR 10 '12
OIL CONS. DIV.

DIST. 3

| | | |
|---|--|----------------------|
| SIGNATURE  | TITLE <u>Administrative Manager</u> | DATE <u>04/09/12</u> |
| TYPE OR PRINT NAME <u>Amy Mackey</u> | TELEPHONE NO <u>505-632-3476 x 201</u> | |

(This space for State Use)

| | | |
|---|--|---------------------|
| APPROVED BY  | TITLE <u>Deputy Oil & Gas Inspector, District #3</u> | DATE <u>4-16-12</u> |
| CONDITIONS OF APPROVAL, IF ANY: | <u>AV</u> | |

Plugging Program for Central Bisti Unit #46:

Plug 1: With end of tubing at 4757', spot 37 sx balanced plug from 4757-4480', to cover 100' across perforations and Gallup top plus excess. Pull up and reverse circulate with 2 tubing volumes of water.

Plug 2: Perf 4 holes at 2979'. Set retainer at 2575'. Squeeze below retainer with 89 sx and spot 6 sx on top of retainer to cover 100' across Cliff House top, inside and outside casing, and inside 5-1/2"x4-1/2" scab liner.

Plug 3: Perf 4 holes at 1482'. Set retainer at 1432'. Squeeze below retainer with 43 sx. Spot 6 sx on top of retainer to cover 100' across Chacra top, inside and outside casing (as required by NMOCD).

Plug 4: Perf 4 holes at 1146'. Set retainer at 750'. Squeeze below retainer with 236 sx. Spot 6 sx on top of retainer to cover across Pictured Cliffs and Fruitland tops, inside and outside casing.

Plug 5: Perf 4 holes at 222'. Tie onto 5-1/2" casing and mix and pump 89 sx, or sufficient volume to bring cement to surface inside and outside 5-1/2" casing.

Remediate location per NMOCD Conditions of Approval.

Note: All volumes include excess.

using type B cement verbal from Amy Mackey.

Elm Ridge Resources

Pertinent Data Sheet

Well Name: Central Bisti Unit #46
Footage: 1980' FSL and 660' FEL
Location: Section 16, T25N, R12W
County: San Juan County, NM
API#: 30-045-05370

Field: Bisti Lower Gallup

Elevation: 6233' KB

TD: 4840' KB

PBTD: 4817' KB

Completed: 2/27/56

Casing Record:

| Hole Size | Casing Size | Wt. | Grade | Depth Set | Cement |
|-----------|----------------------|-------|-------|------------|-----------------------|
| 13-3/4" | 9-5/8" | 25.4# | SWC | 172' | 125 sx (Circ.) |
| 8-3/4" | 5-1/2" | 15.5# | J-55 | 4840' | 300 sx TOC 3500' (TS) |
| | 4-1/2" FJ Scab Liner | 12.8# | N/A | 2595-2850' | Scab Liner- No Cement |

Tubing Record: MA, 4' PS, SN, 142 jts. 2-3/8" tbg.

Rod Record: 118x3/4" rods (6/13/2008)

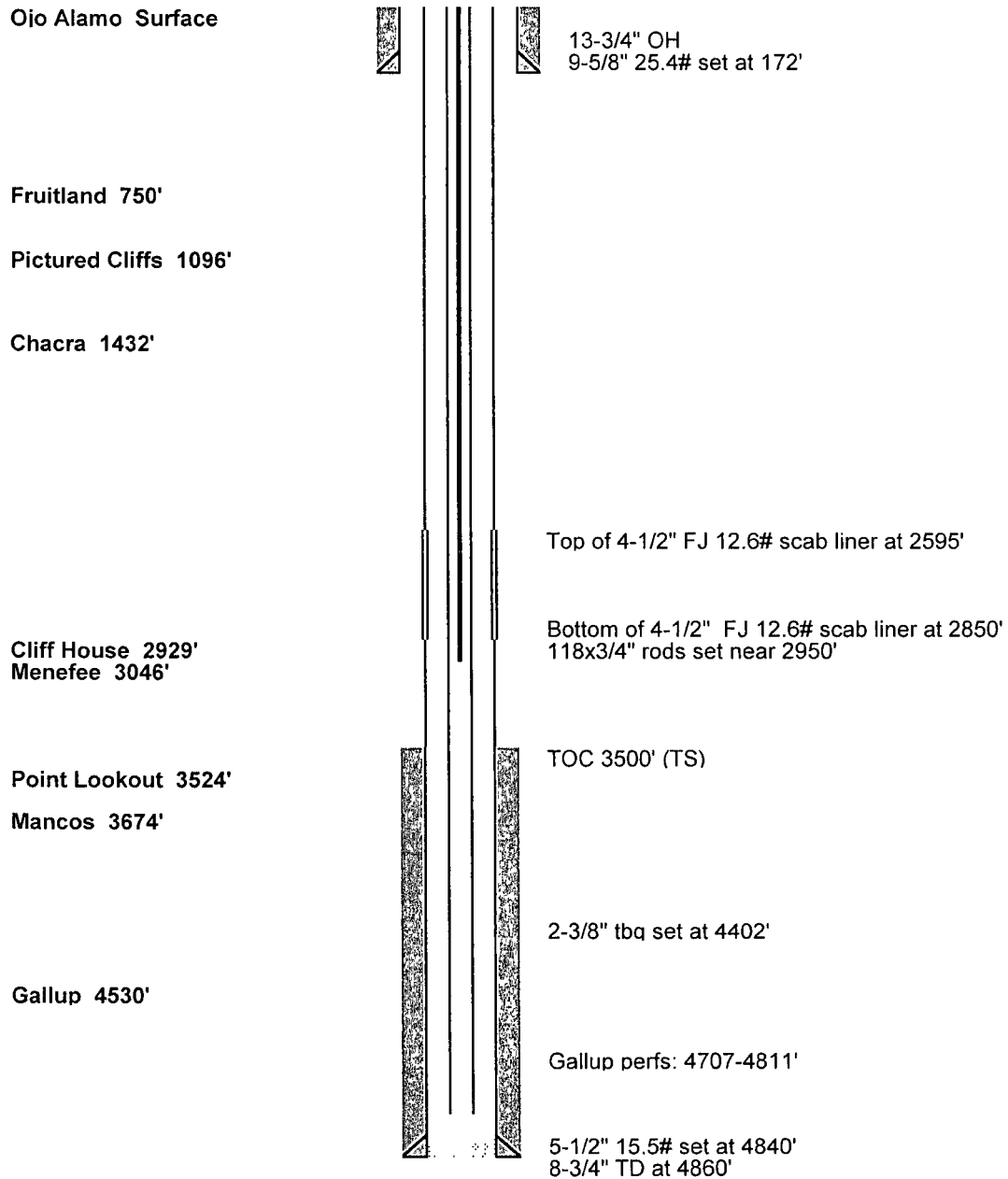
Formation Tops:

| | |
|-----------------|---------|
| Ojo Alamo | Surface |
| Fruitland | 750' |
| Pictured Cliffs | 1096' |
| Lewis | 1245' |
| Chacra | 1432' |
| Cliff House | 2929' |
| Menefee | 3046' |
| Point Lookout | 3524' |
| Mancos | 3674' |
| Gallup | 4530' |

Perforations: Gallup: 4707-4811'

Wellbore Diagram
Central Bisti Unit #46
SE/4 Sec. 16, T25N, R12W
San Juan County Co., NM
API #30-045-05370

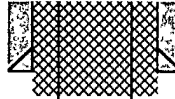
Before



Wellbore Diagram
Central Bisti Unit #46
SE/4 Sec. 16, T25N, R12W
San Juan County Co., NM
API #30-045-05370

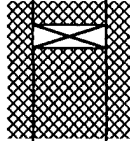
After

Ojo Alamo Surface

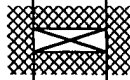


13-3/4" OH
9-5/8" 25.4# set at 172'

Fruitland 750'



Pictured Cliffs 1096'



Chacra 1432'



Top of 4-1/2" FJ 12.6# scab liner at 2595'

Bottom of 4-1/2" FJ 12.6# scab liner at 2850'

Cliff House 2929'
Menefee 3046'



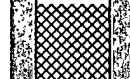
Point Lookout 3524'

Mancos 3674'



TOC 3500' (TS)

Gallup 4530'



Gallup perms: 4707-4811'

5-1/2" 15.5# set at 4840'
8-3/4" TD at 4860'