

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

**NOO-C-14-20-2713**

6. If Indian, Allottee or Tribe Name

07

7. If Unit or CA, Agreement Designation

**Eagle Mesa Unit**

8. Well Name and No.

**EMU #7**

9. API Well No.

**30-043-20938**

10. Field and Pool, or Exploratory Area

**Eagle Mesa Entrada**

11. County or Parish, State

**Sandoval Co., NM**

**SUBMIT IN TRIPLICATE**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

**Synergy Operating, LLC**

3. Address and Telephone No.

**P.O. Box 5513, Farmington, NM 87499-5513 (505) 325-5449**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**2145' FNL & 645' FWL (Unit 1/4-1/4: E) T19N-R4W, Sec.13, Sandoval Co., NM**

**12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

**TYPE OF SUBMISSION**

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

**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  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Synergy Operating LLC proposes to plug and abandon the subject well according to the attached procedure.



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

Title **Operations Manager**

Date **November 6, 2000**

(This space for Federal or State office use)

Approved by \_\_\_\_\_

Title \_\_\_\_\_

Date **11/28/00**

Conditions 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.

**\*See Instruction on Reverse Side**

**NMOCD**

# Wellbore Schematic

## Eagle Mesa Unit #7

Location: 2145' FNL & 645' FWL  
Sec 13, T19N, R4W  
Sandoval Co, NM

Elevation: 6595' GL  
6608' RKB

12-3/4" Hole Size

LaVentana: 682'

9-5/8" Csg @ 271' RKB

Cmt'd w/150-sxs (173 scf) Class G Cmt w/ 2% CaCl<sub>2</sub>

8-3/4" Hole Size

Pt Lookout: 2152'

DV Tool @ 2345' RKB

2nd Stg Cmt'd w/ 25-sxs (30 scf) Class H, F/B

175-sxs (366 scf) Class B & 100-sxs (120 scf)

Class H - Circ Cmt to Surface

Gallup: 3024'

TOC @ 3300' (1st Stg)

Dakota: 4294'

Entrada: 5410'

Entrada Perfs @ 5412-20' w/ 4 spf

TD @ 5620' RKB

7" 23# J-55 & N-80 Csg @ 5615' RKB

1st Stg Cmt'd w/ 25-sxs (30 scf) Class H, F/B

420-sxs (878 scf) Class B & 125-sxs (150 scf)

Class H

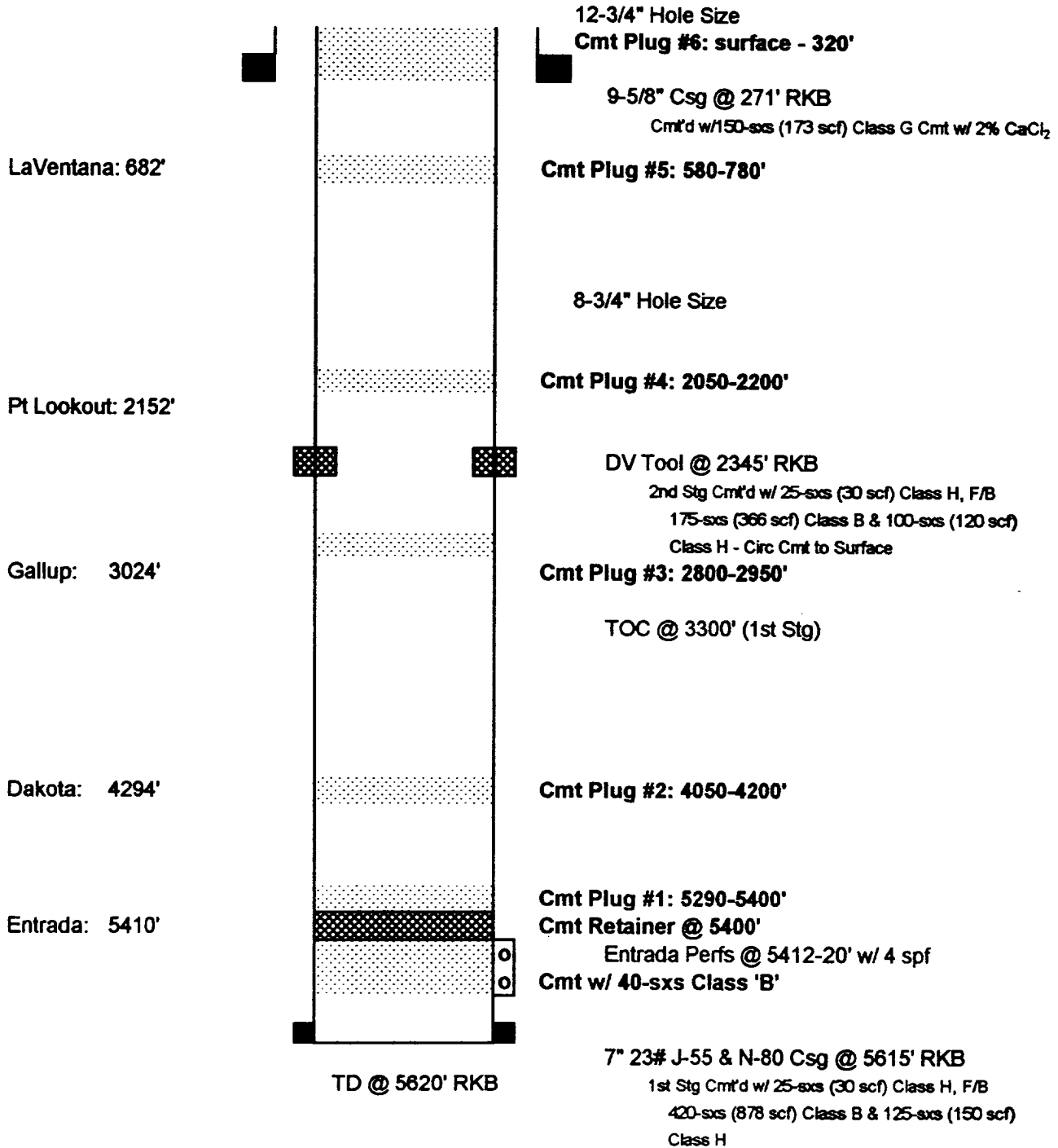
Current

# Wellbore Schematic

## Eagle Mesa Unit #7

Location: 2145' FNL & 645' FWL  
Sec 13, T19N, R4W  
Sandoval Co, NM

Elevation: 6595' GL  
6608' RKB



Proposed

## **Plug & Abandonment Procedure**

**Drafted: June 15, 2000**

**Eagle Mesa Unit #7 (13' KB to GL)  
Eagle Mesa Entrada / Producing well**

**Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.5 ppg, sufficient to balance all exposed formation pressures.**

1. Test / Install all rig anchors on location. Dig, line and fence workover pit. Comply to all NMOCD, BLM, EPA, Indian and Synergy Operating regulations and safety practices. Report topic of daily safety mtgs on daily reports.
2. MI RU P&A rig & spot auxiliary equipment. RU circulating line to workover pit. Blow both casing and tubing to workover pit. ND WH, NU BOP & Pressure-test (PT).
3. TOOH laying down 82-Jts 3-1/2" 9.3# J-55 EUE tbg.
4. GIH w/ guage ring to 5400' on W/L (Entrada perfs @ 5412-5420').
5. PU & tally 2-3/8" 4.7# J-55 EUE workstring, TIH w/ 7" 23# Cmt Rtn on tbg & set @ 5400'
6. PUH to 5380'+/- and circ hole w/ produced water to workover pit. PT casing to 500# for 15-Mins.
7. Sting into Cmt Rtr @ 5400' & establish injection rate into Entrada perfs @ 5412-5420'.
8. Plug #1 (Entrada): Mix and pump 60-sxs Cl 'B' cmt, squeeze 40-sxs below Cmt Rtr. Sting out of Cmt Rtr and spot remaining 20-sxs on top of Cmt Rtr from 5400-5290'.
9. PUH to 4200', laying down 2-3/8" workstring.
10. Plug #2 (Dakota): Spot 28-sxs Cl 'B' cmt balanced plug from 4200-4050' inside 7" 23# csg.
11. PUH to 2950', laying down 2-3/8" workstring.
12. Plug #3 (Gallup): Spot 28-sxs Cl 'B' cmt balanced plug from 2950-2800' inside 7" 23# csg.
13. PUH to 2200', laying down 2-3/8" workstring.
14. Plug #4 (MV/Pt Lookout): Spot 28-sxs Cl 'B' cmt balanced plug from 2200-2050' inside 7" 23# csg.
15. PUH to 780', laying down 2-3/8" workstring.
16. Plug #5 (La Ventana): Spot 37-sxs Cl 'B' cmt balanced plug from 780-580' inside 7" 23# csg.
17. PUH to 320', laying down 2-3/8" workstring.
18. Pressure Test Bradenhead to 300#.
19. Plug #6 (10-3/4" Surf Csg Shoe @ 271'): Circ 60-sxs Cl 'B' cmt from 320-Surface.
20. TOOH, laying down remaining 2-3/8" workstring.
21. ND BOP & companion flange. Dig Cellar, cut-off WH 3' below GL. RD PU. Install P&A marker.