

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
811 South First, Artesia, NM 87210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-103
Revised March 25, 1999

WELL API NO. 30-031-20640
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE
6. State Oil & Gas Lease No. LG-7435
7. Lease Name or Unit Agreement Name: Chittum Penistaja
8. Well No 1
9. Pool name or Wildcat SWD: 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: **Water Injection**

2. Name of Operator
Synergy Operating LLC

3. Address of Operator
P.O.Box 5513, Farmington, NM 87499

4. Well Location (Surface)

Unit Letter **P** : **990** feet from the **South** line and **990** feet from the **East** line
Section **36** Township **20N** Range **5W** NMPM McKinley County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)
6635' RKB 6625' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation.

Synergy Operating proposes to Plug & Abandon the subject well according to the attached procedure

Plt Pls @ 550

Plt 500 Pls

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE *Glen O. Papp* TITLE Operations Manager DATE 4/30/02

Type or print name Glen O. Papp Telephone No. 325-5449

(This space for State use)

APPROVED BY *Chittum Penistaja* TITLE PROPERTY & GAS INSPECTOR DATE MAY 6 2002

Conditions of approval, if any:



Cement Plug Calculations

4" Inside: Inside 4-1/2" 11.6#/ft liner: $(50')(.0872 \text{ ft}^3/\text{ft}) = 4.36 \text{ ft}^3$ (Yield=1.18 ft³/sx) = 3.695 sxs

50' Excess: 3.695 sxs

TOTAL Cement: 7.390-sxs, use 10-sxs

Liner Top: Inside 4-1/2" 11.6#/ft liner: $(50')(.0872 \text{ ft}^3/\text{ft}) = 4.36 \text{ ft}^3$

Inside 7" 23#/ft casing: $(50')(.2210 \text{ ft}^3/\text{ft}) = \underline{11.05 \text{ ft}^3}$
15.41 ft³ (Yield=1.18 ft³/sx) = 13.059 sxs

50' Excess: 6.530 sxs

TOTAL Cement: 19.589 sxs = 20 sxs

7" - 100' Plugs: Inside 7" 23#/ft casing: $(100')(.2210 \text{ ft}^3/\text{ft}) = 22.10 \text{ ft}^3$ (Yield=1.18 ft³/sx) = 18.729 sxs

50' Excess: 9.364 sxs

TOTAL Cement: 28.093 sxs = 28 sxs

7" - Surface Plug: Inside 7" 23#/ft casing: $(276')(.2210 \text{ ft}^3/\text{ft}) = 60.996 \text{ ft}^3$ (Yield=1.18 ft³/sx) =51.92-sxs

50' Excess: 9.39 sxs

TOTAL Cement: 61.08 sxs = 61 sxs

Synergy Operating LLC

Wellbore Schematic

Chittum Penistaja #1

Location: 990' FSL & 990' FEL (Sec 36, UL-P)

T-20-N, R-5-W

McKinley Co., NM

Elevation: 6625' GL

6635' RKB (10' GL - RKB)

Cretaceous

Lewis Shale @ Surface

Cliffhouse - 472'

La Ventana - 850'

Pt. Lookout - 2326'

Mancos - 2462'

Gallup - 3265'

3270-3328' w/ 1-spf

3403-3422' w/ 1-spf

3558-3578' w/ 1-spf

9-5/8" Csg @ 226'

Cmt'd w/ 260-sxs Cl 'B' w/ 2% CaCl-2 + 1/4#/sx CF - Circ

Bit Size: 14-3/4"

Sqz'd Csg Leak @ 2213' w/ 50-sxs Cl 'H' w/ 2% CaCl-2 (4-2-87)

Sqz'd Csg Leak @ 2213' w/ 150-sxs 'B' F/B 75-sxs 'H' + 2% CaCl-2 (4-4-87)

Sqz'd Csg Leak @ 2213' w/ 50-sxs Cl 'H' + 2% CaCl-2 (4-8-87)

TOC - 2438' (Cmt Bond Log)

2-7/8" 6.5# EUE Plastic coated Tbg @ 3034' (96-Jts) w/ Baker AD-1 pkr

4-1/2" Liner top @ 2927' - Hole Size 6-1/4" (16-Jts)

7" 23# J-55 Csg @ 3100' (Bit Size: 8-3/4")

Cmt'd w/ 200-sxs 'B' w/ 1/4#/sx CF

4-1/2" 11.6# Liner set @ 3600' Cmt'd w/ 70-sxs 50:50 w/ 2% Gel

TD @ 3600'

Synergy Operating LLC
Wellbore Schematic (After P & A)
Chittum Penistaja #1

Location: 990' FSL & 990' FEL (Sec 36, UL-P)
T-20-N, R-5-W
McKinley Co., NM

Elevation: 6625' GL
6635' RKB (10' GL - RKB)

Cretaceous

Lewis Shale @ Surface

Plug #5

9-5/8" Csg @ 226'
Cmt'd w/ 260-sxs Cl 'B' w/ 2% CaCl-2 + 1/4#/sx CF - Circ
Bit Size: 14-3/4"

Cliffhouse - 472'

La Ventana - 850'

Plug #4

Plug #3

Pt. Lookout - 2326'

Sqz'd Csg Leak @ 2213' w/ 50-sxs Cl 'H' w/ 2% CaCl-2 (4-2-87)
Sqz'd Csg Leak @ 2213' w/ 150-sxs 'B' F/B 75-sxs 'H' + 2% CaCl-2 (4-4-87)
Sqz'd Csg Leak @ 2213' w/ 50-sxs Cl 'H' + 2% CaCl-2 (4-8-87)

TOC - 2438' (Cmt Bond Log)

Mancos - 2462'

Plug #2

2-7/8" 6.5# EUE Plastic coated Tbg @ 3034' (96-Jts) w/ Baker AD-1 pkr

4-1/2" Liner top @ 2927' - Hole Size 6-1/4" (16-Jts)

Gallup - 3265'

7" 23# J-55 Csg @ 3100' (Bit Size: 8-3/4")
Cmt'd w/ 200-sxs 'B' w/ 1/4#/sx CF

Plug #1

3270-3328' w/ 1-spf

3403-3422' w/ 1-spf

3558-3578' w/ 1-spf

4-1/2" 11.6# Liner set @ 3600' Cmt'd w/ 70-sxs 50:50 w/ 2% Gel

TD @ 3600'

