

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

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Synergy Operating, LLC

3. Address and Telephone No.

PO Box 5513 (505) 325-5449
Farmington, NM 87499

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

1770' FNL, 944' FEL, Sec 11, T29N - R4W

5. Lease Designation and Serial No.

NM-18316

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

29-4 Carson 11 # 2

9. API Well No.

30-039-20649

10. Field and Pool, or Exploratory

Basin Fruitland Coal and Pictured Cliffs

11. County or Parish, State

Rio Arriba
New Mexico

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

- | | |
|---|--|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> Change of Plans |
| <input type="checkbox"/> Recompletion | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Plugging Back | <input type="checkbox"/> Non-Routine Fracturing |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Water Shut-Off |
| <input checked="" type="checkbox"/> Altering Casing | <input type="checkbox"/> Conversion to Injection |
| <input type="checkbox"/> Other | <input type="checkbox"/> Dispose Water |

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

9/20/2004 MIRU Key Rig # 40 from Farmington. Two (2) Frac Tanks # 219 & # 220 delivered by Lindrith Backhoe Chain Up Rig. Csg 120#, Tbg 220#. Blow Well Down. ND WH. NU BOPE. Well currently producing 10 MCFD. Pull Hanger. COOH with 116 Jts 2-3/8" 4.7# Tubing from 3595'. Tally Out. SDFN.

9/21/2004 Csg = 150#. Deliver 7 Jts New 2-3/8" Tubing. Make Up 5-1/2" Baker Casing Scraper, GIH w/ Scraper. PU 4 additional Jts. Tag PBTD at 3739'. 51 feet of sand fill above Retainer at 3790'. COOH with 2-3/8" Tubing. Lay Down Scraper.

****NOTE - WELL IS COMMINGLED

Continued on Next Page

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

Signed: Thomas E. Mullins

Title: Engineering Manager

Date: 01-20-2005

This space for federal or state office use

Approved by: _____
Conditions of approval if any

Title: _____

Date: _____

- 1P. # 2
- 9/22/2004 Csg = 100#. BD Well. Make Up Baker 5-1/2" Model G RBP and 5-1/2" PKR Combination Assembly on 2-3/8" GIH w/ Tools. Set RBP at 3734'. Set PKR at 3718'. Setting # 1 (3718' to 3734'). Treat Setting # 1 (3718' to 3734') 12.3 bbls to load of 14.3 bbls tubing capacity. 2 BPM at 75#, Pump 4 BPM at 2380#. ISIP = zero. Total 23 bbls pumped this zone. Pictured Cliffs Release Tools. Engage RBP. Move and Reset RBP at 3720'. Set PKR at 3680'. Setting # 2. Treat Setting # 2 (3680' to 3720') Pictured Cliffs. 8.7 bbls to load. 1.3 BPM 250#, 1.8 BPM 500#, 2.0 BPM 560#, 2.5 BPM 770#, 2.7 BPM 870#, 3.0 BPM 1000#, 3.5 BPM 1250#, 4.0 BPM 1440#, 6.3 BPM 2800#. ISIP = 350#, then zero. 50 bbls pumped this zone. Total 73 bbls in PC. Release Tools. Engage RBP. Move and Reset RBP at 3680'. Set PKR at 3648'. Setting # 3 Treat Setting # 3 (FTC) - (3648' to 3680'). 8.6 bbls to load. Pressure up on formation. All Perfs were plugged solid. Pressure Broke at 1100 psi. Pump at 1.7 BPM 450#, 1.8 BPM 950#, 2.5 BPM 1300#, 3.1 BPM 1500#, 5.0 BPM 2700#, 5.2 BPM 2800#. ISIP 620#, then to zero. 62 bbls Swap Treating Line to Treat down Tubing-Casing Annulus Setting # 4 (3603' to 3648') - (FTC) Setting # 4 (3603' to 3648') - 42 bbls to load. Pressure up Repeatedly to prove that perforations in Fruitland Coal are NOT open. 0.7 BPM at 500#. 0.8 BPM 1140#, 1.1 BPM 1270#, 1.5 BPM at 1350#. 2.0 BPM 1500#, 2.5 BPM 1570#, 3.5 BPM 1730#, 6.0 BPM 1780#. ISIP = 1400#. Move PKR uphole. Set at 3621'. Setting # 5 (3603' to 3621') - (FTC) via Annulus 6.1 bbls to load. 1.5 BPM to 1500#, 3.0 BPM 1700#, Total of 20 bbls this interval. ISIP = 1400# Release PKR. COOH w/ 2-3/8" and LD PKR. Close and Lock Blind Rams. Hook Up Treating Line to Annulus. Pumped down casing due to no top connection for effective flowback on tubing without utilizing BJ valve. PT lines 3000#. Start pumping N2 and Water treatment. N2 Pump keeps going down. Shut-down. N2 operator forgot to open customer valve Pressured N2 line on truck to 12,000 psi. Blow line. Begin pumping N2 and Water (Nitrified Water Treatment Down Casing. Treating Fruitland Coal Perforations from 3603' to 3680'. Treat at 9 BPM Total Rate. N2 @ 4000 SCFM, Water at 5 BPM. BHTP 3000#. Pump total of 185 bbls Liquid, 111,000 SCF N2 2380# ATP. Pump last 10 bbls Liquid. ISIP 1680#. Treating Iron from Casing. RU 3/4" positive choke on 2" 602 flowback iron. Open Well with 700# flowing pressure. Flow well back to flowback tank. Well Recovered 40 bbls Liquid to FB Tank. 210# Flowing Pressure and Falling Pressure 50# down to 10#, Light Blow, No Liquid Recovered or lifting. Secure Well Location. Leave Well open to FB Tank overnight.
- 9/23/2004 Well pressure zero. SM. Unlock rams. MU Retrieving head. GIH on 2-3/8" tubing. Circulate off RBP. Engage RBP. Work to release RBP. COOH and LD RBP. Rig Repairs - Repair starter. GIH and Land Final 2-3/8" Production Tubing. Land 118 Jts 2-3/8" 4.7# J-55 at 3709', SN up 1 Jt @ 3678'. ND BOPE. NU WH. RU to swab well. SICP = 10#. Swab well 16 runs. Recover 40 bbls of load water. Final SICP = 60 psi. 400 bbls of load to recover of 480 bbls total.
- 9/24/2004 SM. SICP = 100#. Tubing 10#. BD Tubing. Initial FL at 2400'. Swab well 22 runs. Fluid Level consistent at 2400'. Casing continues to build pressure, but has not kicked off. Swab additional 18 runs (40 runs total for the day). Recover an additional 120 bbls fluid today. 200 bbls total recovery. Final Casing Pressure is 425#. Pump fluid to flowback tank from rig pit. Shut-in and secure well.
- 9/25/2004 SM. SICP = 500#. Tubing 500#. Blow down tubing. Swab well In. Make 2 runs. Well kicked off, built to 550# before flowing. Unload fluid to rig pit. Swab well, after each run tagging fluid at 3000'. Final Casing Pressure 550#. Total recovery for today is 64 bbls. Release Rig.