

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.

NMNM-18323

6. If Indian, Allottee or Tribe Name

070 FARMINGTON NM

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Synergy Operating, LLC

OGRID # 163458

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)

Unit M, 840' FSL & 1065' FWL Sec 24, T29N, R04W

7. If Unit or CA, Agreement Designation

8. Well Name and No.

29-4 Carson 24 # 1

9. API Well No.

30-039-2482100

10. Field and Pool, or Exploratory

Basin Fruitland Coal

11. County or Parish, State

Rio Arriba County
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

- ☐ 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

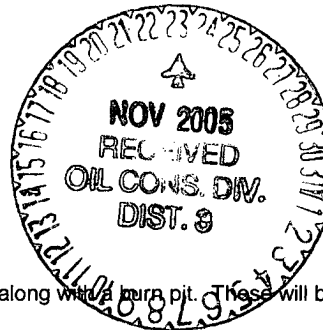
(Note: Report results of multiple completion on Well
Completion or recompletion Report and Log Form)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including, estimated date of starting 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.

SYNERGY PERFORMED TWO (2) SIDETRACK OPERATIONS OUT OF THE 5-1/2" CASING. SYNERGY RECOVERED ONE (1) OF THE WHIPSTOCK ASSEMBLIES.

2-7/8" TUBING IS LANDED AT 3627' KB, SN @ 3589' (119 JTS TOTAL)

SEE ATTACHED DETAILED INFORMATION



Attached is a current wellbore diagram. A workover pit will be necessary along with a burn pit. These will be placed in the original pit locations, so that no new surface disturbance occurs.

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

Signed:

Thomas E. Mullins

Title: Engineering Manager

ACCEPTED FOR RECORD

NOV 21 2005

Date: 11-14-2005

This space for federal or state office use

FARMINGTON FIELD OFFICE
BY: [Signature] Date: [Signature]

Approved by:

Title:

Conditions of approval if any

NMOC

CARSON 29-4 24 # 1
WORK SUMMARY

10/7/2005 MIRU Basic Rig # 1320. Spot Equipment. Hydraulic Problems. Could not raise derrick.

10/8/2005 Rig Repairs. Unseat Pump. COOH laying down rod string. Parraffin noted on upper 1100' of rod string. All connections very tight. Had to use cheater bars to break tong connections. Lay down 19 - 7/8" rods,, and 105 - 3/4" rods, 21 - 3/4" guided rods, then 6 -3/4" rods. LD pump. ND WH. NU BOPE. Rig floor height is limited. Shut Down until Monday.

10/10/2005 SM. SICP = 120#. COOH w/ 127 Jts 2-7/8" tubing from 3880'. Rig Repairs. Continue NU of Blooie Line and cavitation stack. Poor Weather conditions.

10/11/2005 SM. SICP = 120#. Make-Up 5-1/2" CIBP & Mechanical CCL. GIH and set CIBP at 3594' KB. COOH w/ 2-7/8". Complete Rig-Up of cavitation stack and Blooie Line. Test all equipment to 1800#. Good tests. SDFN.

10/12/2005 SM. Make Up Baker 4-1/4" OD Retrievable Whipstock and Anchor Assembly (3 Deg), 4-3/4" Window Mill & 4-3/4" Flex Mill on 1 Jt 2-7/8" AOH PAC Drill Pipe, x-o run Eight (8) - 3-1/2" Drill Collars, and X-O to 2-7/8" EUE tubing. GIH, tag CIBP at 3594', Set Whipstock at 3594' (Btm). Test Air Lines & Equipment. Start to unload hole with air pkg. Pressuring up. Use Rig Pump to assist. Tubing pressure up to 3200#. Suspect Parraffin Plug. Reverse Circulate Parraffin Clear with water. SDFN. Wait on Hot Oiler to Heat Water to clear tubing.

10/13/2005 SM. RU Poor Boys Hot Oil. Pump Hot Water Down Casing. Circulate out Parraffin to Rig Pit. LD Swivel. COOH 9 stds. GIH w/ 8 remaining stands 2-7/8". PU Swivel. Hot Water Down Casing. Circulate out Parraffin to Rig Pit. RD Hot Oil. Unload hole with Air Equipment and Rig Pump. Establish Circulation with Air-Mist. Begin Milling with Power Swivel No Torque Reading. 90 RPM, 500 lbs WOB. Hydraulic Problems from Rig Hydraulics running swivel. Wait on Mechanic for Repairs. Make Repairs to equipment.

10/14/2005 Wait on Air Hand. Break Circulation. Attempt to Mill. Rig Hydraulics causing swivel problems. Wait on New Swivel. RD Old Swivel, RU New Swivel. Break Circulation. Mill out Sidetrack of 5-1/2" casing with Air-Mist to 3597'. Circulate Clean. COOH. Rig Repairs. Stand Back Drill collars and Tubing. LD Baker Mills. SDFN.

10/15/2005 SM. SICP = 260#. Blow well down. Rig Repairs. GIH w/ 4-3/4" Bit, BS, 8 - 3-1/2" DCs, & 111 Jts 2-7/8" tubing. PU High Tech Power Swivel. Drill Fruitland Formation Open Hole from 3590' KB to 3681' KB. Drill Five (5) Seams with total of 31' of Coal to 3681' KB. Circulate hole clean with Air-Mist. LD 3 Jts 2-7/8" Tubing. Shut-in well for natural build-up.

10/16/2005 Perform Natural Surges on Well. Maximum Shut-In Pressure 265# in 7.5 hrs. Perform Seven (7) Natural Surges. Recover Light Coal Powder and Dry Gas.

10/17/2005 TIH & CO fill F/3665' - T/3681', PUH into 5-1/2" csg & surge well w/ 3-lite hydraulic surges. TIH & tag fill @ 3650', CO to TD @ 3681'. SI for 3-1/2 - Hrs, Pc=210#, natural surge. Nite air crew performed 6-suges w/ 10-Bbl water pads & air to 1300#, Pc=1000#

10/18/2005 CO fill F/3648' - T/3681', dry hole, PUH into 5-1/2" Csg. Perform two hydraulic surges, 1st w/ 3 - 5-Bbl Wtr pads, the 2nd w/ 4 - 10-Bbl Wtr pads. TIH & CO fill F/3648' - T/3681', dry hole, PUH into 5-1/2" Csg. 1-Hr flow-test = 12.5# on 1/2" Choke. Night Crew performed 6-Surges w/ 15-Bbls wtr & Air to 1300#.

10/19/2005 CO fill F/3638' - T/3681' coal running, dry hole, PUH into 5-1/2" Csg. 1-Hr flow-test = 2.5# on 1/2" Choke. SI for 2-1/2 Hr w/o any pressure build-up. Performed 5-surges ea. W/ 5-Bbls Wtr & air to 1325#.

10/20/2005 CO fill F/3390' - T/3681' coal running, dry hole, PUH into 5-1/2" Csg. 1-Hr flow-test = 3# on 1/2" Choke. Performed 3 natural surges, Pc=260#, recovered mist & verylite coal fines. Performed 5-surges ea. w/ 16-Bbls wtr & air to 1300# Pc=1200#, recovered heavy mist & lite coal.

10/21/2005 X-O Powerswivels. Flow Test Well. Shown as 22#? Bad Guage. GIH. Tag 2' Fill. Cleanout at 3681' TD. Light coal fines PUH. Pump Heavy Hydraulic Surge. Unload hole at 1350#. Hit Bridge 3588'. Pass Bridge. No Fill at TD. Well making Light coal fines, Surge Well Overnight.

10/22/2005 SM. Blow well down 100#. GIH and clean-out on bottom. No fill. Clean-out on bottom. Making very small coal dust. Blow well on bottom. Dry up well. Flow Test 1-hr. No Flow. Hook-up Chart Recorder. SI well.

10/23/2005 Flow test well. 4#, 1/2" choke, 100 MCFD+/- . Pump Full Fluid Surge 3 times to 1100#. ISIP 1100#. FG = 0.74. GIH and cleanout medium coal fines. 20' fill. Dry Up hole. Flow test, No Flow. HB Swivel. COOH w/ 4-3/4" Bit, 8 - DCs and 2-7/8" tubing.

10/24/2005 SICP = 20#. Flow test 4#. BD Well. GIH w/ Baker 5-1/2" CIBP w/ mechanical CCL. Set CIBP at 3548' KB. COOH. Make Up Anchor and Whipstock assembly. GIH on 2-7/8" tubing. Set Anchor. Mill Window and 3 feet of Open hole. Pull up. SDFN.

10/25/2005 SM. SICP = Zero. COOH w/ 2-7/8" and Sidetrack Milling Assembly. LD Mills. PU 4-3/4" STX bit. GIH w/ 8 - DCs on 2-7/8" tubing. Work through window. Drill 4' new hole. Rig Repairs on Power Swivel. Drill Fruitland Coal formation to 3682' KB. 32 Feet of Fruitland Coal. LD 4 Jts. Pull to 3528'. Flow test well, TSTM. SDFN.

10/26/2005 Pump Heavy Hydraulic Air-Assisted Surges to 1400# Pop-off Pressure. GIH w/ BHA. No Fill. Continue to pump Air Assisted Surges. No Recovery of coal dust during surges. Run out of H2O overnight. SI well for natural build-up.

10/27/2005 SM. Flow Test on Blow Down to 4#. 20# Maximum SI pressure. GIH w/ BHA. No Fill. Circulate and work pipe on bottom at 3682'. Recover light brown coal dust. Dry well up. Attempt flow test. TSTM. COOH w/ 2-7/8" and BHA. Shut-In and secure well overnight.

10/28/2005 SM. 20# SICP. Blow well down. Make Up Baker Hook and Jars on 3-1/2" DCs. GIH and engage Whipstock # 2 at 3536'. Jar Whipstock Free. COOH and Lay Down Whipstock and Anchor assembly # 2. MU same 4-3/4" Bit and GIH on prior BHA. Tag CIBP at 3548'. Drill on CIBP w/ Air Mist. Incomplete. SDFN.

10/29/2005 SICP = 180#. Drill out CIBP at 3548'. Drill out Sidetrack # 1 hole and Drill to TD of 3682'. Cleanout Medium Coal fines. Work Pipe at 3682'. Get Flow Test 3# (90 MCFD +/-). GIH and tag 20' fill. Work pipe and clean out at 3682'. Good light coal fines running. Have to drill down final jt each time. Clean well out. Dry up. LD 4 Jts. SDFN.

10/30/2005 SM. SICP = 140#. Blow well down. GIH tag 20' fill. Clean out coal fines to 3682'. Cleanout well. COOH and LD 4-3/4" bit and eight (8) 3-1/2" DCs. GIH w/ 2-7/8" Production tubing. Land total of 119 jts 2-7/8" at 3627' KB, SN at 3589' KB. ND Blooie Lines and BOPE. Prep to run rods and move rig in AM.

10/31/2005 SICP = 130#. Blow down well. GIH w/ new 2.25" x 1.25" pump and 131 - 3/4" rods and 7 - 7/8" rods, w/ 6' pony. Seat pump. Space out and check pump action to 500#. Good. Hang well on. Rig Down and Move Rig and Equipment to Carson 29-4 12 # 1 well.