

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)

1905' FSL & 1604' FWL Sec 28, T29N, R04W

K

5. Lease Designation and Serial No.

NMNM-18327

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

29-4 Carson 28 # 1

9. API Well No.

30-039-2467300

10. Field and Pool, or Exploratory

Wildcat NACIMIENTO (GAS)

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

TYPE OF ACTION

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

- ☐ 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 OPERATING, LLC HAS TAKEN OVER OPERATIONS FROM FALCON SEABOARD OIL & GAS COMPANY, JUNE 1, 1999

SYNERGY RESPECTFULLY REQUESTS A ONE (1) YEAR TIME EXTENSION TO EVALUATE THE SUBJECT WELLBORE, WHICH IS CURRENTLY COMPLETED IN AN UNDESIGNATED NACIMIENTO FORMATION. THE ATTACHED WELLBORE DIAGRAM DETAILS THE CURRENT WELLBORE CONFIGURATION.

PLEASE NOTE THAT THE FRUITLAND COAL IS TEMPORARILY ABANDONED UNDERNEATH A CIBP SET AT 4000'. ALSO NOTE THE ADDITIONAL CIBPS AND CEMENT PLUGS STILL PRESENT INSIDE THE CASING.

CURRENT OPEN PERFORATIONS ARE FROM 2609' TO 2880', WITH PBTD AT 2928'.

SYNERGY NEEDS THIS ONE YEAR EXTENSION TO EVALUATE THE WELL FOR RESTORING THE FRUITLAND COAL TO PRODUCTION, OR TO PERMANENTLY ABANDON THE WELLBORE.

THIS APPROVAL EXPIRES JUL 01 2000

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

Signed:

Thomas E. Mullins

Title: Engineering Manager

Date:

6-20-99

This space for federal or state office use

Approved by:

/S/ Duane W. Spencer

Title:

Team Lead, Petroleum Management

Date:

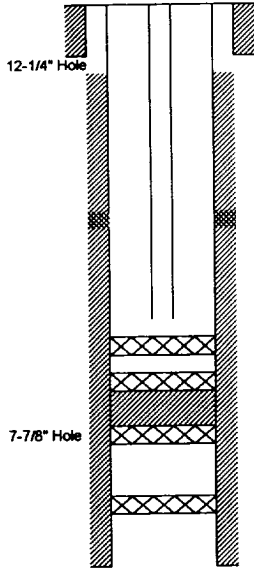
JUN 23 1999

Conditions of approval if any

Carson 28-4 28 #1
Unit K, Section 28-T23N-R04W
1905' FSL, 1604' FWL
7401' GL, 13' KB

Arphoe # 7 Spud: 07/21/90
Bayless Rig # 6 Completed 11/7/90

API # 030-039-2467300



8-5/8\" 24# K-55 Casing @ 258' w/ 210 sxs
Circulated 5 bbls cement to surface
Cement Fall Back, Cmt 30 sxs down annulus

2-7/8\" 6.5# J-55 Tubing @ 2901', SN one ft up (196 fts)
2\" x 1-1/4\" Pump & 113 -7/8\" Rods

2 Sqz Holes @ 1560', Cemented w/ 300 sxs. TOC Temp Survey 500' +/-

DV Tool @ 2033' (See Cmt Detail Below)

CIBP @ 2928'
Cmt Retainer @ 3520' (Cmt from 3515' to 3613')
CIBP @ 3700'
CIBP @ 4000'

Nacimiento Perforations
Open Perfs from 2609' to 2880'

Fruitland Coal Perforations
Upper: 4086'-4088', 4130'-4139' (10 Holes) Frac w/ 10K 40/70 & 11K 20/40 in 70Q N2 Foam (Screen Out)
Lower: 4164'-4190' (18 Holes) Frac w/ 20K 40/70 & 120K 20/40 in 70Q N2 Foam

5-1/2\" 17# N-80 Casing @ 4496', w/ 1st Stage w/ 200 sxs 50/50 Poz 2% gal 0.8% Halad 322
tail with 225 sxs B w/ 0.4% Halad 344, 0.4% CFR-3 & 2% Super CBL
Circulate 3 hrs, 2nd Stage w/ 350 sxs Howco Lite 0.8% Halad 322, 2% KCl and 1/4# Floccul,
tail with 50 sxs B neat. Lost Circulation 28 bbls into Displacement.

Formation Type	
San Jose Surf	
Nacimiento	
Ojo Alamo	3642'
Kirtland	3862'
Fruitland	3980'
Pict Cliffs	4192'
Lewis	4440'

Formation Name: Fruitland Coal

Drill out DV Tool, CO to PBTD 4456', RU Basin, Run GR-CCL-CBL 4438' to 1800'.
Spot 7-1/2% HCl acid across Coal zone. Perforate 4164', 4166', 4167', 4168', 4170', 4171', 4172', 4176', 4178', 4179', 4181',
4182', 4183', 4184', 4185', 4186', 4189', 4190' (18 holes) -0.38\". Opened well the next AM, Hydrocarbons unloaded
to the pit and caught fire, burned off. GIH w/ SPIT tool, set across each perf and establish communication on all.
Set tool @ 4116', RU to swab. Making Gas after 5th run. COOH w/ tool. RU to Frac. Smith Energy Frac Lower Coal
w/ 20K 40/70 sand & 120K 20/40 sand in 70Q N2 at 45-55 BPM 2600 ATP, ISIP 1600 Foam Flush, SI 2-hrs flowback on 1/4\" choke
Well making 5% Paraffin, Tag Sand Fill @ 4390', CO fill. RU Basin, Set 5-1/2\" RBP @ 4150', PT 3000 psi Okay. GIH and Spot 7-1/2% HCl
Acid across Upper Coal perforations. Perforate Upper Coal interval at 4087', 4088', 4130', 4131', 4132', 4133', 4134', 4137', 4138', 4139' (10 Holes)
Break down perfs w/ SPIT tool, All Open, Set tool @ 4020', RU to swab. Recover Spent Acid, Paraffin, & Water, w/ good Gas Flow.
SITP = 1020 psi, COOH w/ tool. RU Smith Energy to Frac Upper Coal. Frac w/ 10K 40/70 sand and 11,290# 20/40 sand in 70Q N2 Foam
Well pressuring out, cut N2, flush w/ linear gel and 5ppg Blender sand concentration. ISIP 3600 psi. SI 2 hrs, Open well on 1/4\" choke, Recovered
Plugs of Paraffin & Coal fines, GIH w/ tubing tagged sand bridge at 4118'. GIH and retrieve RBP
Recover Frac Sand Coal fines and Paraffin. Cleanout to PBTD. Landed 2-7/8\" tubing at 4282'. RD Release Bayless Rig # 6. RU Swab Unit. Swab Well
Recover Coal Fines, & Paraffin. 10-20-90 RU Big A # 5. Run 2\" x 1-1/4\" pump & 169 rods w/ 2 ponys.

Cement Squeeze

10-25-90 RU Bayless # 6. Pull Rods & Pump, RU Basin, Set RBP @ 1715', Test to 1000 psi, Perforate 2 holes at 1560', Pump into holes. RU Howco,
Pump 300 sxs B cement w/ 0.6% Halad 322, Displace w/ water to 1460'. Displaced at 1 BPM 2000 psi, Ran Temp Survey found TOC @ 500' +/-
DO cement, Test to 1000 psi, Recover RBP. Land tubing & New Pump Same Depths.

Open Hole Logs (Halliburton)

GR-Ind,Dens-Neut, MicroLog

Cased Hole Logs

Temp Survey (10-24-90)
GR-CCL-CBL (09-17-90)
GR-CCL-CBL (10-25-95)
GR-NEU-GSL (10-09-95)

Nitrogen Cleanout & Acidize

06-19-91 RU R&S Rig # 27, LD Pump & Rods, Pull & LD 2 fts tubing. Install 2-7/8\" valve. Reverse Circulate w/ 160 deg N2, recover 25% Paraffin, Reverse w/ 80 bbls 160 deg water
Recover Paraffin, Unload w/ N2. SI tubing, Pump 750 gals 20% HCl acid w/ N2 heated to 160 degs, Displace w/ N2 Foam @ 150 degs, SI 30 mins.
Flowback thru tubing. Recovering Large amount of Coal Fines and Paraffin, Install Plunger and Piston Catcher. SICP 650 psi. Swab Well and Trip Piston w/ same recovery. Recover
10% Paraffin w/ Coal Fines. 07-05-91 Piston Recovering 15% Paraffin, 5% Oil, 11 bbls H2O & 90 MCFD.

Formation Name: Ojo Alamo & Nacimiento

10-09-95 RU Big A # 11, LD Rods & Pump, Could not circulate out Paraffin w/ 90 bbls water. RU Blue Jet, Run GR-NEU-GSL log. Set CIBP @ 4000', FL @ 2870'.
PT RBP to 1600 psi. RU BJ Services, Spot 1200 gals 7-1/2% HCl at 3818'. RU Basin to Perforate 1 SPF @ 2609', 2614', 2736', 2741', 2853', 2877', 2880', 2941', 2989', 2992'
3001', 3254', 3302', 3380', 3384', 3392', 3405', 3428', 3435', 3438', 3470', 3472', 3487', 3490', 3538', 3584', 3613', 3784', 3792', 3824' (30 Holes)
GIH w/ Halliburton PKR set at 2432', Acidize w/ 1500 gals 15% HCl w/ ball sealers. Good Breaks. Swabbed back w/ FL @ 2400'.
Set PKR @ 3889', and Swab Test made 4 runs, swabbed dry. Reset PKR @ 3340', FL constant at 2200'. COOH w/ PKR. GIH w/ BP & PKR Combination
Set RBP @ 3340', Swab Test 2609' to 3340', FL constant at 2200', Set PKR @ 2494'. Swab test 2494' to 3340', FL constant at 2100'.
Move RBP to 3520'. Set PKR @ 3340', Swab test 3340' to 3520', FL constant at 2100', Release RBP, Set PKR @ 3520', Swab test 3520' to 3624', FL stable @ 2100'
Reset PKR @ 3706', Swab Test 3706' to 3824', FL constant at 1800', Set RBP @ 2920' & PKR @ 2790', Swab Test 2790'-2920', FL constant 1800' shows of gas. COOH w/ tools
10-19-95 Set CIBP @ 3700', Set Cmt Retainer at 3520'. Establish rate at 2 BPM 425 psi, Cement w/ 100 sxs (3538', 3584', 3613').
Tag cement at 2785', RU to swab, 7 runs swabbed hole dry. COOH w/ bit, GIH w/ PKR set at 2420'. PT to 1000 psi, bleeds off in 2 mins, Establish rate below 2420' of 2 BPM @ 1000 psi.
RU Halliburton, Cement w/ 50 sxs below PKR, Hesitate sqz to 1535 psi, displace to 2462', Test Csg to 1000 psi, Release PKR, Tag TOC @ 2474'. Drill out
Cement from 2474' to 2616', PT Csg to 1000 psi, GIH to 2785', DO cement from 2785' to 2795', PT to 1000 psi, GIH to 2805', Tag Cement, DO from 2805' to 2969'
PT Casing to 1000 psi, Okay, Drilled Cement from 2969' to 3030', PT 1000 psi, Okay, DO from 3030' to 3340', PT 1000 psi, Okay, DO 3340' to 3505', PT 1000 psi, Okay, DO
COOH w/ bit, RU Halliburton, Run GR-CBL log from 3515' to 1800'. GIH w/ tubing, swab FL down to 2900', Attempt to perforate 2-1/8\" slick gun, 4 attempts, No good.
RU Halliburton, Perforate thru tubing select fire at # 2 2609', 2614', 2736', 2741', 2853', 2877', 2880', 2941', 2989', 2992', 3001', 3254', 3302', 3380', 3384', 3392', 3405', 3428',
3435', 3438', 3470', 3472', 3487', 3490' (24 Holes), RU Swab Equipment, Swab Well Dry, Wait 30 mins, Well still Dry. SDON, FL @ 1700', GIH w/ Hal SPIT Tool
Set Tool across 3487'-3490', Formation Broke at 3200 psi, Treated 0.7 BPM @ 3000 psi, Set tool 3470' to 3472', Break down zone at 2300 psi, Treat 2 BPM @ 3000 psi,
Set Tool 3435' to 3438' Unable to breakdown zone at 3300 psi, Set tool across 3428', Unable to BD w/ 3800 psi, MIRU Basin Wireline. Shoot 3-1/8\" guns Perforate
at 3490', 3487', 3472', 3470', 3438', 3435', 3428', 3405', 3392', 3384', 3380', GIH w/ SPIT tool Set 3435'-3438', Spot 2 bbls 15% HCl at tool, Break down at 3000 psi, Treat 0.7 BPM
at 3750 psi, Reset across 3428', Break at 1600 psi, Treat at 2 BPM 1600 psi, Set across 3405', Break 2200 psi, Treat 2 BPM 2000 psi, Set 3392', Break at 3800 psi.
Treat at 2 BPM 1300 psi, Set across 3384', Break at 3800 psi, Treat 2 BPM 3800 psi, Set across 3380', Break 1600 psi, 2 BPM 1300 psi, Set tool @ 3350'
RU to Swab, Recover all Water. RU Basin Wireline, Set 5-1/2\" CIBP @ 2928', Perforate # 3 2881', 2880', 2879', 2878', 2877', 2876', 2854', 2853', 2852', 2851' (10 holes)
GIH w/ SPIT tool Set across 2851' to 2854', Break at 2000 psi, Treat 2 BPM 1125 psi, Reset tool across 2881' to 2876', Break 2000 psi, Treat 2.5 BPM 1800 psi, Retrieve valve
RU to Swab, Swab zone Dry. RU to Acidize zone, Pump 600 gals at 1.8 BPM 225 psi. Reset across zone 2854' to 2851', Acidize w/ 400 gals 15% HCl
Rate 0.8 BPM at 300 psi. Set tool @ 2800'. Swab well dry, COOH w/ SPIT, GIH w/ 95 fts (2901' +/-), Swab well dry 45 bbls. Well swabbed dry. COOH, GIH w/
final tubing string, Mud Anchor, SN, 94 fts, Land Tubing at 2901' KB, Run Top Hold down pump & 113 7/8\" rods Hang & Space Out.
RD and Move off Rig 10-31-95