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Form 3160-5
(June 1990)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

2003 AUG 26 AM 11:09

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

070 Farmington, NM

NM-18316

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

505-325-5449

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

1770' FNL & 944' FEL (Unit 1/4 - 1/4: H) T29N-R4W, Sec. 11, Rio Arriba Co., NM

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

29-4 Conoco #2

9. API Well No.

30-039-20649-00

10. Field and Pool, or Exploratory

Campo (Gallup) GP

11. County or Parish, State

Rio Arriba, 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 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.

See attached procedure

HOLD C104 FOR Plats for FC, PC

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

Signed: [Signature]Title: Operations ManagerDate: 8/25/03

This space for federal or state office use

Approved by: Original Signed: Stephen Mason

Title: _____

Date: AUG 28 2003

Conditions of approval if any

Title 18 U.S.C. Section 1001, make 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.

NMOCD

NOTE: All depths are referenced to a KB elevation of 7063' (13' above graded ground elevation of 7050').

1. ND upper wellhead. NU BOPE & Pressure Test.
2. Unset Guiberson Uni-Packer III @ 6207'. This should also release the seal sleeve assembly in the Baker Model 'D' packer, with flapper valve, set @ 7340'. TOOH w/ 248-Jts 2-3/8" 4.7# J-55 EUE tbg & Packers.
3. RIH w/ 5-1/2" 15.5# CIBP on W/L & set @ 7335'. (Flapper valve probably won't hold in Model 'D' packer).
4. RIH w/ dump-bailer on W/L, bail ~~4~~-sxs of neat cement on CIBP @ 7335'.
5. RIH w/ 5-1/2" 15.5# CIBP on W/L & set @ 7130' (Top of Gallup @ 7180')
6. RIH w/ dump-bailer on W/L and set ~~4~~-sxs on neat cement on CIBP @ 7130'.
Pressure Test 5-1/2" 15.5# Csg to 2500#.
7. *Plugging Mesaverde from 5701' - 5801' 1756*
Perforate 4-squeeze holes @ 3810' (TOC @ 3830', Csg collars @ 3820 & 3788')
8. TIH w/ 5-1/2" 15.5# Cement Retainer on 2-3/8" Tbg & set @ 3780'+. Test Tubing string to 2500#, bleed pressure. String into retainer & establish circulation rate through perfs @ 3810', while monitoring bradenhead for signs of circulation.
9. Cement squeeze hole @ 3810' w/ a minimum of 100-sxs BJ Services Premium Lite High Strength Cement w/ 2% KCl. Sting out of retainer, reverse circulate 30-Bbls of fluid (2-Tbg volumes) to clear pipe. TOOH w/ Tbg. WOC overnight.
10. RIH w/ CBL & log same F/3780' - T/100' above TOC.
11. Pressure Test 5-1/2" 15.5# Csg to 2500#.
12. Perforate Pictured Cliffs and Fruitland Coal, correlate to GO International GR-CBL-CCL log dated 10-11-73:
FTC Coal Pkgs: 3588-3596', 3608-16', 3620-31', 3669-85'
PC Intervals: 3694-98', 3704', 3715-17', 3728-38', 3746', 3750', 3755-59'
13. TIH w/ Packer on 2-3/8" tubing & set pkr @ 3535'-. Acidize Picture Cliffs/Fruitland Coal w/ 500-Gals of 15% HCl acid, double inhibited with additives, diverting w/ Ball Sealers (1.3 SG). Release Fullbore packer & TOOH w/ packer.
14. NU tree-saver, frac valves & immediate flow-back equipment.
15. RU BJ Svc Frac Crew to stimulate Picture Cliffs/Fruitland Coal (evaluating design). Immediate flow-back after fracture stimulation through 1/2" choke, flow-back well maximum of 36-Hrs.
16. TIH w/ 2-3/8" & CO to PBTD @ 3780' w/ air. Land 2-3/8" w/ EOT @ 3730'.
17. ND BOPE. NU WH

Conoco 28-4 11 # 2
Unit H, Section 11-T28N-R04W
1770' N14, 944' E1
7050' G1, 13' K1

Anaphoe Drilling Spud: 08/08/73
Completed:

API # 030-038-2064900

8-26" 248' K-55 Casing @ 237' w/ 150 sxs Class A
Circulated to surface

5-1/2" TOC Stage 3 @ 3845' from CBL
No Coverage on the Cement

DV Tool @ 3850' w/ 330 SXS 50/50 Poz as Sig # 1
Good Returns ?

2-3/8" 47W J-55 Tubing @ 7655', F nipple (248' lts)
9' Perforated Sub at 7322'
4 - 0.25" Perforations in Tbg at 7325'

Mesaverde Stage # 1
6010'-6018' (8'), 6094'-6097' (3'), 6097'-6104' (7'), & 6138'-6145' (7)
Frac w/ 21,840 gals Diesel & 30,500 lbs sand
Tested Water & Gas, Note NO CEMENT BOND
Squeezed with 200 sxs cement
Squeeze was broken down and is leaking, Hence the reason for the PKR

GUERSON UNI-PACKER 3 AT 6207
DV Tool @ 6348' w/ 208 SXS 50/50 Poz as Sig # 1
No Returns, TOC Sig # 2 at 6087' from CBL

Gallup Stage # 3 7195'-7205' (8'), NO FRAC or Breakdown

Gallup Stage # 2 7260'-7304' (44'), Frac w/ 25% Gelled Condensate
w/ 39,564 gals & 98,600 lbs 20/40 sand at 18.5 BPM, 4500 ATP, ISIP 1850

BAKER MODEL D PERMANENT PKR w/ flapper valve at 7340'

Gallup Stage # 1 7380'-7384' (4'), 7394'-7396' (2'), 7407'-7412' (12') @ 2 SPF,
Frac w/ 24,080 gals Diesel & 16,300 lbs 20/40 11.6 BPM 4800 ATP, ISIP 3150

Dakota Sig # 1 8230'-8236' (6') 8335'-8348' (13'), BD w/ Acid, Frac w/ 25,100 gals Diesel &
13,500 lbs 20/40 sand. Tested Gas & Water

8-1/2" 178' & 15.58' K-55 Casing @ 8470', Cement w/ 720 sxs 60/50 Poz, 2% Gel, 6-1/4" Gilsonite
10% Fluid Loss Additive, Good Returns During Sig # 1
TOC on 1st Stage from CBL is at 7380'

Water Samples
10-15-73 DK Water 7 pH, 12650 Chlorides, Sulfate, Iron, Etc.

TEM 06-11-2001

Open Hole Logs (Dresser-Atlas)
SP-IES (Sulf to 8471' - 1 Run)
GR-CL-Den (3050'-4010', 5700'-6300', 6800'-8444' - 1 Run)

Cased Hole Logs
GR-CCL (6900'-8200', 7200'-7500', 8200'-8417') (09/28/73) - GO International
GR-CCL-CCL (3500'-3900', 5800'-6400', 7100'-7425') (10/11/79) - GO International

12-1/4" Hole
Mud Drilled

Dev Surveys	
240'	0.50
647'	0.50
2145'	0.75
2555'	1.25
2895'	1.25
3365'	0.25
3755'	1.00
4155'	1.00
4600'	1.00
5211'	0.25
5815'	0.50
6100'	0.75
6816'	1.00
7085'	1.00
7136'	0.25
7665'	1.00
7862'	0.25
8475'	0.50

7-7/8" Hole
Mud Drilled

Formation Tops	
San Jacinto	2650'
Ojo Alamo	3300'
Kittling	3500'
Fruitland	3585'
Pied Cliffs	3685'
Lewis	3872'
Cliffhouse	5850'
Menefee	5892'
PL Lookout	6088'
Manosca	6323'
Gallup	7187'
Greenhorn	8100'
Dakota	8322'

CIBP @ 7440'

Formation Name: Dakota
09-25-73 MIRU Big A. PU DCs & 4-3/4" bit. Tag Sig Collar at 3835', DO & Circulate Hole Clean. GH Tag at 8312'.
Test Casing to 1000'. Okay. DO second Sig Tool, PT Cag to 1000'. Okay. Tag P8TD at 8413'. Circulate Hole w/ 1% KCl
PT Casing to 3000' for 5 min. Okay. Spot 200 gals 15% HCl. COOH. RU GO. Run GR-CCL. Perforate Dakota as follows:
8290'-8298' (8') & 8335'-8348' (13') total 40 holes. Run 2-3/8" test, Land at 8259'. RDMO. RU Halliburton Displace hole with
Condensate. BD perforations at 2200' Gel Condensate & Frac Dakota with 8.3 BPM 4300 ATP, 25,100 gals Diesel, & 13,500
lbs 20/40. Screened out. ISIP 4500. SI for 24 hrs. Tbg 2100W Cag 2500W. Open well to tank, & Swab. No success.
NU BOPE. Circulate out Sand bridges at 8393'. Land tubing at 8321'. Swab well, mostly water, some gas cut. Flow and swab
nearly condensate? No Good Flow. SI for 72 hr build-up.
10-08-73 Cag 1550, Tbg 75, FL at 1700'. Swab well recover 10 bbls condensate & 52 bbls water. Well would flow after swabbing.

Formation Name: Gallup
10-10-73 Pull Tubing. RU GO. Run Baker Model N CIBP and set at 7440'. POOH. GH w/ tubing, tag CIBP. Circulate hole
PT Cag to 4000' for 5 mins, good. Spot 200 gals 15% HCl. COOH. Run GR tag, problems, run tag next AM. Run GR-CCL tag
address zones. VDI of bond log would not work. Perforate Gallup Sig #1 as follows: 7380'-7384' (4'), 7394'-7396' (2'), & 7407'-7412'
(12') w/ 2 JSPP 38 holes total. Run tubing, land at 7350', well starting to flow. Next AM, Cag 875, Tbg 400. Displace hole with
Condensate. RU Halliburton to Frac Gallup Sig # 1, 11.6 BPM 4800 ATP, 24,080 gals Diesel, 16,300 lbs 20/40 sand in stages.
ISIP 3150. SI well 24 hrs.
10-14-73 Cag 1975, Tbg 1900 after 43.5 hrs. Flow well to tank, after 32 hrs, calculated rate 850 mcf, total condensate load recovered
SDON. Cag 2050, Tbg 1925. Perform multi-point test and 7 day build-up test, 5 bbls condensate recovered during test
10-24-73 Gallup BHP Measured at 7383' of 3501 psi
10-28-73 MIRU Big A. Cag 2700W, Tbg 2875W. Flare Gas after going through test separator overnight. Lay blowdown lines.
Open Cag to pit. Run CW choke inside tubing, test choke down hole. Run a second choke, set at 7300'. Tubing holding okay.
Strip out of the hole with tubing. Bottom 8' is badly pitted from acid. Run 4-1/2" magnet on sandline. No recovery of choke.
Set down on CIBP. PU Baker Model D permanent PKR with flapper valve. Set PKR at 7340'. Casing flow stopped. Loaded hole
with 2% KCl water, Test Cag and Model D PKR to 4500W. Pump 2 sxs sand on top of Model D Plug. Spot 200 gals 15% HCl
COOH.

01-26-74 Begin flow test on 2284' choke
02-06-74 MIRU Big A. Lay Blow Line. Flow to pit overnight. RU Slickline. Run CW Choke. Set at 1000'. Pull out of Model D PKR
Pull choke. PU PKR & RBP on tubing. Set RBP at 7318'. Load hole w/ 1% KCl. Set PKR at 7308'. Test RBP & Tubing to 3000W
Leave 1000W on Tbg, Test Cag, started taking fluid at 2500W. MV sxs perf not holding. Released PKR. COOH.
RU GO. Perforate Gallup Sig # 2 7260'-7304' (44') 2 JSPP 88 holes. GH w/ 2-7/8" Tubing, X-O & 38 Jts 2-3/8" Tubing with PKR.
Spot Acid across Perfs. Set PKR @ 6187' just 2-7/8". Hold 1000W on Annulus. Frac w/ 25% Gel Water 18.5 BPM 4500 ATP
1850 ISDP. 39,564 gals fluid & 98,600 lbs 20/40 sand, tail w/ 4,100 lbs 10/20 sand. Annulus at zero throughout job. SI for Get Break
02-12-74 Tbg 1350. Flow well to pit for 3 days, then on to test separator, 250 mcf/d-1. Kill Tubing. Release PKR. LD Same
COOH w/ RBP. Run Production String, with Seal Assembly and Uni-Packer 3 at 6207'. Land Well. Remove BOP. Swab well in.
Clean the well up. Tag as follows: (5' sub, seal assembly, & perforated sub, F-nipple, 38 Jts 2-3/8", Uni-Packer II w/ hydraulic holddown,
217 Jts 2-3/8". Sand fill at 7570'. EOT finished at 7523' ?
03-10-74 Build Up Pressure Test 3 day, More Damage? BHP 2103 psi at 7384'
07-22-74 Cag 2735, Tbg 2455, PKR not holding
08-08-77 Flow Test 4 Point, w/ build-up. SICP 2122 psi
04-28-78 First Delivery into the Pipeline
06-12-78 Perforate 4 - 0.25" holes @ 7328' inside 2-3/8" (Middle of Perf Nipple). Cag 1882, Tbg 1402
06-24-83 BH Test Cag 889, Tbg 893, BH zero

Formation Name: Mesaverde
10-28-73 GO perforate Mesaverde as follows: 6010'-6018' (8'), 6094'-6097' (3'), 6097'-6104' (7'), & 6138'-6145' (7)
all 2 JSPP 58 holes. Run & land tubing at 5960'. RU to Frac. Load hole w/ 133 bbls condensate. BD MV at 10 BPM 2600W
Dropping tail sealers. No ball action. No ball-out. Frac down Cag & Tbg, 15 BPM 2000 ATP, 21,840 gals Diesel, 30,500 lbs sand
ISIP 1600. SI for 24 hrs for gel to break. Cag 875, Tbg 875 after 41 hrs. Flow well back, heavily gas cut condensate, making water
in slugs. Making emulsion and sand. Took samples. Break emulsion, shows 45% water cut. Swab & Flow well back.
11-2-73 RU gh. COOH w/ tubing, GH w/ RBP & PKR Combination. Set RBP at 6200' and PKR at 6045', isolating the top set of
perfs. Swabbed 333 bbls water, Tbg showing blow Cag at zero. Cag FL at 700' by acoustic. PKR released and re-set at 6120'.
isolating just the bottom perfs. Swab bin PL Lookout perfs, fair blow of gas. Swab 80 bbls water. Blow down tbg. Release PKR.
PU RBP and set at 6120'. Set PKR at 6045', testing middle 3 sets of perfs. Lost 240 bbls KCl water to formation. Swabbing
reworking very Muddy Water. Each supply gas cut muddy water. Accutest measure and tubing RL the same. (Communication
behind pipe). RU Halliburton, Pump 1463 - emulsion removed treatment in 3000 gals condensate at 5 BPM 2700 ATP. ISIP 2100
Swab well back 90% Muddy Water. Release PKR, Recover RBP. Move RBP to 6045'. Set PKR at 5977'. Testing upper MV Perfs.
11-16-73 GO bbls Muddy Water. Release PKR, Recover RBP. Move RBP to 6045'. Set PKR at 5977'. Testing upper MV Perfs.
Swabbed 10 bbls Muddy Water. Release PKR, Recover RBP. Move RBP to 6045'. Set PKR at 5977'. Testing upper MV Perfs.
11-16-73 Test PKR at 5762', test annulus 1000W. Test lines 2000W. BD formation at 4.5 BPM at 2400W. Cement w/ 200 sxs at 3 BPM
Headsite to 1500W. WOC 2 hrs. Test Cement to 2000W. Released PKR. Pull Tbg. SDON. Tag Cnt at 5854'. Dtl to 6115'. test twice
to 1100W for 5 mins while drilling past perfs, Held Okay. Drill cement to 6190', where free. Tag Cag to 1050 for 5 mins okay. Ran bit
down to 7240'. tag III, Reverse circulate cement, shale, & frac sand to 7245'. COOH.

Both Formation Comments
11-19-73 Run production tbg & seal assembly as follows. Reverse out 80' of Frac Sand above PKR. Space out tubing w/ subs.
Set BVP in hanger. Land in Model D w/ 18K compression. Equalize Tbg & Lubricator, Pull BVP
11-28-73 Note of Additional Gallup Pay Zones bypassed