Form 3160-5
(June 1990)

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

5. Lease Designation and Serial No.
NMNM-18318

6. If Indian, Allottee or Tribe Name

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

7. If Unit or CA, Agreement Designation

2. Name of Operator
Synergy Operating, LLC

8. Well Name and No.
Conoco 29-4 # 6

3. Address and Telephone No.
PO Box 5513 (505) 325-5449
Farmington, NM 87499

9. API Well No.
30-039-2152400

4. Location of Well (Footage, Sec, T. R., M, or Survey Description)
1480' FNL & 900' FEL, Unit H, Sec 19, T29N, R04W

10. Field and Pool, or Exploratory
Gobenador Pictured Cliffs

11. County or Parish, State
Rio Arriba County
New Mexico

JUL 2000 RECEIVED OIL CON. DIV. DIST. 3

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
☒ Notice of Intent	☒ Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Converion to Injection
	☐ Other	☐ 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 RELEASED THIS LEASE NUMBER NMNM-18318.

SYNERGY OPERATING, LLC RETAINS THE RIGHTS TO THE SURFACE EQUIPMENT ON THIS LEASE.

SYNERGY OPERATING, LLC HAS EVALUATED THE SUBJECT WELL AND RECOMMENDS THAT THIS WELLBORE BE PLUGGED AND PERMANENTLY ABANDONED PER THE ATTACHED PROCEDURE.

THE CURRENT WELL IS UNABLE TO SUSTAIN ECONOMIC PRODUCTION.

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

Signed: Thomas E. Mullins Title: Engineering Manager Date: 5-18-2000

This space for federal or state office use

Approved by: _____ Title: _____ Date: 7/14/00

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

Plug and Abandonment Plan

Conoco 29-4 # 6

Pictured Cliffs

Unit H, Section 19, T29NR04W

1480' FNL, 900' FEL

1. Obtain 24 hour notice approval of the Bureau of Land Management and the Jicarilla Ranger District, prior to the start of plugging operations. These parties may wish to be on location to witness the plugging of the subject well.
2. Have a copy of the regulatory approved plug and abandonment procedure on location.
3. Comply with all BLM, NMOCD, National Forest Service, Company & Contractor policies with regard to health, safety, and environmental considerations. Location is in close proximity to New Mexico State Highway 64.
4. Locate emergency helicopter landing area. Obtain Latitude and Longitude coordinates and check for possible landing hazards.
5. Call New Mexico One Call prior to digging or installing anchors.
6. The wellsite location is small and consideration should be given to placement of workover equipment.
7. Install and test anchors.
8. Spot location of small earthen workover pit. Line and fence this pit on all sides. A flowback tank is not recommended due to the possible circulation of cement.
9. Prior to moving in the rig, work tubing hanger lock down pins to ensure movement and minimize downtime.
10. MIRU well service unit. Record shut-in pressures for the tubing, casing, and bradenhead.
11. Kill tubing and casing with fresh water. Note any difficulty in pumping down either the tubing or the casing. ND WH, NU BOPE. Test operation of BOPE per company standards.
12. Unseat tubing hanger. PU six (6) additional joints of 1-1/2" 2.9# EUE tubing, and tag fill (3624') PBTD (3714'), Note existing Pictured Cliffs perforations from 3376' to 3604', Top of the PC is at 3373'.
13. Lay down 2 joints of tubing, bringing tubing to 3560'+/-, inside the 4-1/2" casing. RU Cementers. **PLUG # 1** (3560' to 3150' Covering Pictured Cliffs and Fruitland Coal). Establish a rate down the 1-1/2" tubing (ID 1.610") with fresh water. Pump 10 bbls water, followed by 7 bbls of Class B neat cement (33.3 sxs / 39.3 ft3), displace the cement with 8 bbls water. Lay down 15 jts of tubing, bringing the EOT to 3100'+/-. A special exemption to avoid tagging the cement plug is requested. Circulate 20 bbls fresh water down the casing and reverse circulate the tubing to ensure it is free of cement.
14. Lay Down an additional 2 jts of tubing. Place EOT @ 3050'+/-. **PLUG # 2** (3050' to 2800' Covering the Kirtland) Establish a rate down the 1-1/2" tubing (ID 1.610") with fresh water. Pump 10 bbls water, followed by 4 bbls of Class B neat cement (19 sxs / 22.5 ft3), displace the cement with 7 bbls water. Lay down 9 jts of tubing, bringing the EOT to 2780'+/-. A special exemption to avoid tagging the cement plug is requested. Circulate 20 bbls fresh water down the casing and reverse circulate the tubing to ensure it is free of cement.
15. Lay Down an additional 14 jts of tubing. Place EOT @ 2350'+/-. **PLUG # 3** (2350' to 2200' Covering the Ojo Alamo) Establish a rate down the 1-1/2" tubing (ID 1.610") with fresh water. Pump 10 bbls water, followed by 4 bbls of Class B neat cement (19 sxs / 22.5 ft3), displace the cement with 5 bbls water. Lay down 9 jts of tubing, bringing the EOT to 2080'+/-. A special exemption to avoid tagging the cement plug is requested. Circulate 20 bbls fresh water down and the casing and reverse circulate the tubing to ensure it is free of cement.
16. Lay Down an additional 9 jts of tubing. Place EOT @ 1820'+/-. **PLUG # 4** (1820' to 1670' Covering the Nacimiento) Establish a rate down the 1-1/2" tubing (ID 1.610") with fresh water. Pump 5 bbls water, followed by 4 bbls of Class B neat cement (19 sxs / 22.5 ft3), displace the cement with 4 bbls water. Lay down 9 jts of tubing, bringing the EOT to 1550'. A special exemption to avoid tagging the cement plug is requested. Circulate 20 bbls fresh water down and the casing and reverse circulate the tubing to ensure it is free of cement.
17. Lay Down all remaining joints of tubing.
18. RU wireline and perforate four (4) squeeze holes at 555' (8-5/8" Shoe @ 504'). The top of cement on the 4-1/2" casing is estimated to be at 850' from a temperature survey. Ensure bradenhead valve is open. **PLUG # 5** (555' to surface Covering Shallow zones and Surface Casing Shoe), Establish a rate down the 4-1/2" casing (ID 4.052") with fresh water. Pump 30 bbls water, followed by 50 bbls of Class B neat cement (237 sxs / 280 ft3). Circulate cement to surface. If cement does not circulate, then with NMOCD concurrence perforate 2 squeeze holes at 100', and pump additional cement to complete the circulation of cement to surface.
19. ND BOPE. Cut-off Wellhead. Install permanent welded dryhole marker per NMOCD guidelines.
20. RD & release service rig.
21. Close earthen workover pit. Cut off well site anchors.
22. Remove surface facility equipment and re-seed / restore well location per government guidelines.

Approved by: _____ 5-18-00

Thomas E. Mullins, P. E. — Date

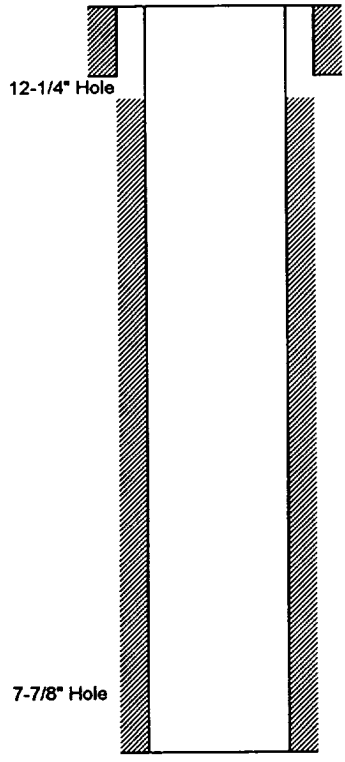
Engineering Manager

Synergy Operating, LLC

Conoco 29-4 # 6
Unit H, Section 19-T29N-R04W
1480' FNL, 900' FEL
6603' GL, 12' KB

Aztec # 56
Aztec Rig # ?

Spud: 04/15/78
Completed: 05/06/78



API # 030-039-2152400

8-5/8" 24# K-55 Casing @ 504' w/ 270 sxs
Circulated 100 sxs cement to surface

Temp Survey TOC on 4-1/2" @ 875'

1-1/2" 2.9# J-55 Tubing set @ 3448', w/ SN on btm

Pictured Cliffs

Upper PC Perfs from 3376' to 3430' (24 holes - 54 feet)

Lower PC Perfs from 3543' to 3604' (24 holes - 61 feet)

4-1/2" 10.5# K-55 Casing @ 3750', w/ 400 sxs 50/50 Poz 6% gel 1/4# gilsonite 0.75% CFR-2, tailed with 150 sxs Class B w/ 2% CaCl, 0.75 % CFR-2, Good Circ, No Cement to Surface.
Temp Survey indicates TOC @ 875'

PBTD @ 3714' (Fill @ 3624')
TD @ 3760"

Formation Tops	
San Jose	surf
Nacimiento	1770'
Ojo Alamo	2307'
Kirtland	2976'
Fruitland	3260'
Pict Cliffs	3373'

Specialty Logs, Misc
None

Open Hole Logs (Schlumberger)
04/23/78 - GR-Density-Neutron SP & Induction

Cased Hole Logs (Blue Jet)
05/01/78 GR-CCL 3682' to 3200'

Formation Name: **Pictured Cliffs**
05/02/78 MIRU, Spot 6 bbls 7-1/2% HCl Acid, COOH, RU Wireline, Run GR-CCL, Perforate Pict Cliffs as follows: 3543', 3545', 3552', 3554', 3556', 3558', 3576', 3590', 3592', 3594', 3602', 3604' all 2 SPF (24 Holes) Acidized w/ 2000 gals 7-1/2 % HCl & 36 ball sealers, little ball action 18 BPM, ISIP 500. Ran Junk Basket. Frac at 30 BPM with 45,300 gallons gelled acid and 70,000 lbs 20/40 sand 1250 ATP, ISIP 620. Set BP @ 3460' (Fluid is 3% HCl acid in 2% KCl water and 40# Guar gel tapered to 25#)
05/03/78 PT BP okay, Perf Upper PC 3376', 3378', 3380', 3382', 3384', 3386', 3413', 3416', 3418', 3426', 3428', 3430' all 2 SPF (24 Holes) Acidized with 2000 gal 7-1/2% HCl and 48 balls. Balled off, Good Ball action. Run JB, Recover 47 of 48 balls. Frac Upper PC with 31,675 gals of gelled acid and 50,000 lbs 20/40 sand at 30 BPM, 1700 ATP, 1000 ISIP.
05/04/78 Killed well with 55 bbls gelled water, GIH with Hydrostatic Bailer & retreiving head. Bail 30' Sand, Kill well with 60 bbls 2% KCl water and circulate clean to RBP with 80 bbls 2% KCl water. COOH with tubing & RBP.
05/05/78 GIH with tubing and tag @ 3678', No Fill. LD jts & Land 2-3/8" tubing at 3589'. ND BOP, NU WH. Swab well in. Recover 150 bbls on 18 runs. 05/06/78 RU to swab, Swab 34 runs, recover 238 bbls fluid. Well continues to die, next day swab 8 runs, recover 54 bbls fluid, kick well off, flowing, recovered 250 bbls fluid. Well left flowing to tank overnight. Recovered an additional 100 bbls of fluid. Continue to flow and clean up well.
05/11/78 Run BHP pressure gauges, SI well for next 7 days. Pull gauges on 05/18/78 (No Data Available SICP = 910 psi)
05/27/88 MIRU Rig ? Pull tubing from the well. RD MO.
07/19/89 MIRU Bayless Rig # 3, Kill well w/ 20 bbls KCl water. Strap out of the hole with 113 jts of 1-1/2" 2.9# J-55 Tubing Tag Sand fill @ 3624', Land 105 jts of tubing in the well with SN on btm @ 3448' KB, CP @ 450 psi, Tubing 350 psi, Kicked well off
07/1990 Well Shut-In
01/1992 Well returned to production
06/1994 Plan submitted to close earthen pit near production tanks
04/1999 & 06/1999 Letters to return acreage to BLM for leasing

Last Surface Casing Pressure on Pictured Cliffs of 550 psi 05/2000
Well producing on a clock at 4 mcfd and and estimated 1 BWPD.
Clock optimizaton and surface equipment inspected. Well does not have additional potential.

Thomas E. Mullins
May 16, 2000