

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires March 31, 1993

2001 NOV 12 PM 1:07

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 (agent for Bois d' Arc Offshore, Ltd.)

3. Address and Telephone No.

PO Box 5513

(505) 325-5449

OGRID # 163458

Farmington, NM 87499

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

Unit Letter A, 250' FNL, 920' FEL, Sec 15, T20N-R05W

5. Lease Designation and Serial No.

NMMN-99720

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Bois d' Arc Encino 15 # 1

9. API Well No.

30-031-21008

10. Field and Pool, or Exploratory

Undesignated Dakota

11. County or Parish, State

McKinley, 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.

11-12-2001 Synergy Operating, LLC spud this well on Monday, November 12, 2001 with MOTE Drilling, Inc.

11-13-2001 A 12-1/4" Hole was Air drilled to 230 feet. Ten (10) Jts of 8-5/8" 24# J-55 LTC Casing was run to 230 feet GL and cemented with BJ Services through a string of 1" PVC down the annulus. Four Bow Spring Centralizers were run at 229', 162', 96', & 30'.

2 bbls of water was pumped ahead followed by 51 bbls (286 ft3 / 206 Sxs) of Type III Cement mixed at 14.6 ppg. Good Cement was circulated to surface. The cement was topped off.

The 8-5/8" Casinghead was screwed on the well with a cap.

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

Signed:

Thomas E. Mullins

Title: Engineering Manager

Date:

11-16-2001

This space for federal or state office use

Approved by:

Title:

Date:

NOV 27 2001

Conditions of approval if any

FARMINGTON FIELD OFFICE

Synergy Operating, LLC

Bois D' Arc Encino 15 # 1 (API # 30-031021008)

WC20N05W15A Dakota

Drilling Phase

- 11/18/01 MIRU Aztec # 507. Test 8-5/8" Casing to 1000 psi. GIH w/ 7-7/8" Hughes GT-09C Bit. Tag Shoe. Survey @ 235' - 7 degs Resurvey @ 235' - Same 7 degs. Drill Shoe. Drill new hole from 241' to 410', in 10' intervals circulating cuttings to Catch Fruitland Coal. One Can Taken, very little coal. Continue drilling ahead 85 RPM 10K WOB, trying to straighten hole. Drilling at 836' at report time.
- 11/19/01 Continue Drilling ahead with 10K WOB & 85 RPM. Survey hole at 992' - 6 degrees, 1244' - 3.75 degrees Begin TOOH to PU Directional Tools. SD for Rig Repairs.
- 11/20/01 Finish Rig Repairs. COOH. Laying down remaining Drill Collars. PU and MU Directional Tools. GIH with tools and survey existing hole with MWD equipment. Trouble getting initial readings near surface casing. Take survey readings. Current Hole direction is on an azimuth of approximately 70 degrees. The Surface Casing appears to be set at a 11 degree deviation. Consult with Geological and Geophysical expertise on current hole location. Current hole position is acceptable. Drilling ahead with directional tools rotating at 45 RPM surface, with 10K WOB, Surface Pump pressure 1200#. Drilling ahead at 1887'.
fp
- 11/21/01 Finish Drilling New Hole with Baker INTEQ Directional Tools to 2013'. COOH laying down pipe (Rig is not able to standback pipe). Attempt to take survey 107' below surface casing. No good readings. COOH laying down Baker Directional Tools. PU New Bit # 2, 7-7/8" Hughes Christensen GT-09C. Strap Drillstring GIH to 2013'. No fill or drag. Drilling ahead with Conventional BHA to 2486' at report time. (599' today).
- 11/22/01 Drilling ahead at 3190'.
- 11/23/01 Drilling ahead at 3480'.
- 11/24/01 Drilling ahead at 4075'. Lost circulation at 3975', 100 bbls.
- 11/25/01 Drilling ahead at 4287'. Lost circulation at 4155', 120 bbls. Rig Repairs.
- 11/26/01 Drilling ahead at 4631', Bit Trip at 4631'.
- 11/27/01 Drilling ahead at 4750'.
- 11/28/01 Drilling ahead at 4974'.
- 11/29/01 Rig Repairs, Drilling ahead at 5186'.
- 11/30/01 Drill to TD at 5298', Circulate, Final Survey, COOH. RU Schlumberger. Run Logs.
- 12/1/01 Attempt to Run Cement Bond Log without success.
Run 5-1/2" Production Casing to TD 5298'. Attempt to circulate hole with Mud. Lose 800 bbls mud with > 15% LCM. No indication of circulation.
- 12/2/01 BJ Services Cement First Stage of 5-1/2" Production Casing. Test Lines 3000#
Mix & Pump 20 bbls Mud Clean 2, 10 bbls Water, 70 bbls Cement, SD Drop Plug, 60 bbls H2O, & 67 bbls Mud Displacement. Bump Plug to 1350#. Bleed Back 2.5 bbls not holding. Pump 2 bbls Bump Plug to 1500#. Hold Pressure 5 mins. Bleed back to 500#. Leave pressure Casing. Cement Detail (194 sxs, 70 bbls, 394 ft³, 12.5 ppg, 2.03 ft³/sx yield) Premium Lite High Strength FM Additives +3% KCl+0.25#/sx CelloFlake+5 lbs/sx LCM-1+0.7%bwoc FL-52+0.3% bwoc CD-32 No Circulation throughout Job. Final Lift Pressure of 370 psi. Expect Coverage of Dakota to the Base of Gallup.
Check Cmt performance. WOC. Check Pressure, raised to 800#. Bleed to Zero. Plug holding. Drop Opening Tool Bomb. Wait 35 mins. Open tool with 400# pressure. SD Swap to rig pump Start pumping at 3 BPM, 250#. Catch pressure after 35 bbls mud, Circulation at 40 bbls Circulate and condition Mud from 3024' to surface. Monitor returns. Mud has 3 % LCM 60 cp, 8.8 ppg. Good mud returns.
Safety Meeting w/ all personel, review Stage # 2 job. Test lines. Mix & Pump 20 bbls Mud Clean 2, 10 bbls water, 110 bbls Lead, 15 bbls Tail, SD, Drop Plug, 72 bbls Water Displacement. Good Circ until 85 bbls pumped, then partial returns to zero returns, Rate between 1 to 3 bpm. Bump Plug to 1600#. Bleed Off. Plug holding. Cement appeared to be on a vaccum. Suspect Cement placement downhole from Pt. Lookout to Gallup Interval. Attempted to hesitate cement, but unsuccessful. Cut Cement Volume Short due to LC Lead Cement Detail (295 sxs, 110 bbls, 617 ft³, 12.1 ppg, 2.09 ft³/sx yield) Premium Lite FM Additives +1%CaCl+0.25#/sx CelloFlake+5 lbs/sx LCM-1+8%bwoc bentonite. PD @ 17:05 hrs

Will Run Cement Bond Log from PBDT to Surface to check Cement Quality.