

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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
Salt Water Disposal Well

2. Name of Operator

Synergy Operating, LLC

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 F, 1945' FNL, 2155' FWL, Sec 22, T21N-R05W

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

5. Lease Designation and Serial No.

NMMN-105533

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Bois d' Arc Divide 22 # 4

9. API Well No.

30-043-20980

10. Field and Pool, or Exploratory

WC 21N5W22F Mesaverde (Oil)

11. County or Parish, State

Sandoval, 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.

08/16/2003

MOVE IN AND RIG UP ROTARY TOOLS. MIX SPUD MUD. RIG INSPECTION PRIOR TO SPUD. DRILL RAT & MOUSE HOLE. SPUD WELL AT 22:15 HRS 08/15/2003. DRILL TO 132'. (48'/HR) SPUD MUD. SURVEY AT 95', 1/2 DEGREE. DRILL F/132' - T/195' (126'/HR) SPUD MUD. CIRCULATE AND CONDITION HOLE. POOH FOR CASING. RUN 5 JOINTS OF 8-5/8", 24#, J-55, ST&C AS FOLLOWS: GUIDE SHOE @ 189' - 190'. 4 CENTRALIZERS @ 183', 141', 99', 57'. CEMENT CASING AS FOLLOWS: CEMENT WITH 100 SKS (118 CU FT) CLASS H, 2% CACL2, 0.25#/SK CELLO-FLAKE FOR LEAD SLURRY, MIXED AT 15.6 PPG, 1.18 YIELD, 5.2 GPS. DISPLACE WITH 10.5 BBLs WATER HAD FULL RETURNS, 11 BBLs (61 CU FT) CEMENT TO SURFACE, PLUG DOWN. SHUT WELL IN, CASING AND CEMENT WITNESSED BY ALFONSO ATENCIO OF THE BLM.

08/17/2003

NIPPLE UP WELL HEAD AND BOP EQUIPMENT. PRESSURE TEST BOP EQUIPMENT AS FOLLOWS: TEST PIPE RAMS, BLIND RAMS, FLOOR VALVE, KILL LINE, KELLY VALVE AND CHOKE MANIFOLD TO 250 PSI LOW AND 1500 PSI HIGH WITH TEST PLUG, 10 MIN, TEST GOOD. TEST CASING TO 600 PSI FOR 30 MIN, HAD 36% LEAK OFF. ALL TEST WITNESSED BY ALFONSO ATENCIO OF BLM. PICK UP BHA, TRIP IN THE HOLE. DRILL OUT CEMENT SHOE (SOFT CEMENT, COULD BE CAUSE OF BAD CASING TEST). DRILL F/195' - T/516' (99'/HR) MUD = 8.7 PPG, 32 VIS, 8.4 WL. SURVEY AT 506', 1 DEGREE. DRILL F/516' - T/1031' (158'/HR) MUD = 8.8 PPG, 35 VIS, 10 WL. SURVEY AT 1002', 1 DEGREE. DRILL F/1031' - T/1580' (128'/HR) MUD = 8.9 PPG, 35 VIS, 10 WL.

08/18/2003

SURVEY AT 1490', 1 DEGREE. DRILL F/1580' - T/1930' (82'/HR) MUD = 8.9 PPG, 40 VIS, 10 WL. SURVEY AT 1921', 1 DEGREE. DRILL F/1930' - T/2561' (93'/HR) MUD = 9.0 PPG, 34 VIS, 10 WL. SURVEY AT 2561', 1 DEGREE. DRILL F/2561' - T/3093' (63'/HR) MUD = 9.1 PPG, 35 VIS, 10 WL. SURVEY AT 3093', 1 DEGREE. DRILL F/3093' - T/3250' (35'/HR) MUD = 9.1 PPG, 34 VIS, 10 WL.

08/19/2003

DRILL F/3250' - T/3343' (46'/HR) MUD = 9.1 PPG, 34 VIS, 10 WL. SERVICE RIG. DRILL F/3343' - T/3565' (81'/HR) MUD = 9.0 PPG, 34 VIS, 9 WL. SURVEY AT 3563', 1 DEGREE. DRILL F/3565' - T/3662' (48'/HR) MUD = 9.0 PPG, 34 VIS, 11 WL. CIRCULATE SAMPLES. DRILL F/3665' - T/3808' (48'/HR) MUD = 9.0 PPG, 36 VIS, 10 WL. DRILL F/3808' - T/4055' (38'/HR) MUD = 9.1 PPG, 35 VIS, 10 WL. SURVEY AT 4019', 1 DEGREE. CIRCULATE AND CONDITION HOLE. SHORT TRIP TO HEAVY WT. DRILL PIPE. TRIP BACK TO BOTTOM. CIRCULATE AND CONDITION HOLE. INCREASE VIS. TRIP OUT FOR LOGS.

08/20/2003

TRIP OUT FOR LOGS. LOG OPEN HOLE F/190' - T/4052'. TRIP BACK TO BOTTOM. CIRCULATE AND CONDITION HOLE. LAY DOWN DRILL PIPE AND DRILL COLLARS. CHANGE OUT PIPE RAMS FOR CASING RAMS, RIG UP CASING CREW. RUN 90 JOINTS OF 5-1/2", 15.5#, J-55, LT&C CASING AS FOLLOWS: GUIDE SHOE AT 4049' - 4050'. FLOAT COLLAR AT 4004' - 4005'. MARKER JT AT 3372' - 3377'. 6 CENTRALIZERS AT 3648', 3738', 3828', 3915', 4004', 4030'. 4 TURBOLIZERS AT 999', 1043', 1493', 1535'. CEMENT CASING AS FOLLOWS: PUMP 20 BBLs MUD CLEAN, 5 BBLs WATER CEMENT WITH 350 SKS (875 CU FT) TYPE 3, 3% KCL, 0.25#/SK CELLO-FLAKE, 4#/SK PHENO-SEAL, 8% BENTONITE, 0.3% SODIUM METASILICATE FOR LEAD SLURRY MIXED AT 12.2 PPG, 2.5 YIELD, 14.22 GPS. 76 SKS (158 CU FT) PREMIUM LITE HS FM, 5% SODIUM CHLORIDE, 0.25#/SK CELLO-FLAKE, 0.3% CD-32, 0.7% FL-52, 4#/SK PHENO-SEAL FOR TAIL SLURRY MIXED AT 12.5 PPG, 2.09 YIELD, 10.83 GPS. HAD FULL RETURNS. CIRCULATE 10 BBLs (56 CU FT) GOOD CEMENT TO SURFACE. NIPPLE DOWN BOP, SET SLIPS WITH 55K, RIG DOWN ROTARY TOOLS. BIT #2 = 7-7/8", VERAL, CH 13 S, #178216, 9-10-10. 3860', 50 HRS = 77'/HR, 3 - 3 - WT - ALL - E - IN - NO - TD.

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

Signed:

Thomas E. Mullins

Title: Engineering Manager
(505) 325-5449

Date: 08-27-2003

This space for federal or state office use

Approved by:

/s/ David R. Sitzler

Title: Division of Multi-Resources

Date: SEP 25 2003

Conditions of approval if any