

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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

Salt Water Disposal Well

2. Name of Operator

Synergy Operating, LLC

3. Address and Telephone No.

PO Box 5513
Farmington, NM 87499

(505) 325-5449

OGRID # 163458

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

Unit Letter I, 2025' FSL, 675' FEL, Sec 22, T21N-R05W

5. Lease Designation and Serial No.

NMNM-105533

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Bois d' Arc SWD # 1

9. API Well No.

30-043-20981

10. Field and Pool, or Exploratory

WC 21N5W221 Dakota

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.

- 07/21/2003 MOVE IN AND RIG UP ROTARY TOOLS. RIG UP PASON EQUIPMENT. RIG UP SOLIDS CONTROL EQUIPMENT.
- 07/22/2003 FINISH RIGGING UP ROTARY TOOLS. MIX SPUD MUD. DRILL RAT & MOUSE HOLE. SPUD WELL, DRILL T/131' W/SPUD MUD. WT. = ALL, RPM = 110. SURVEY AT 91'. MISS RUN. DRILL F/131' - T/160' W/SPUD MUD. WT. = ALL, RPM = 110. SURVEY AT 120', 1/2 DEGREE. DRILL F/160' - T/332' (TOTAL DEPTH) W/SPUD MUD. WT. = ALL, RPM = 110. CIRCULATE AND CONDITION HOLE. SURVEY AT 304', 1/4 DEGREE. POOH W/12' - 1/4" BIT FOR CASING. RUN 7 JOINTS 9-5/8", 36#, J-55, ST&C CASING AS FOLLOWS: GUIDE SHOE @ 331' - 332'. 6 CENTRALIZERS @ 287', 243', 199', 155', 111', 67'. CEMENT CASING AS FOLLOWS: PUMP 10 BBLS WATER, 240 SKS (283 CU FT) CLASS 8 NEAT, 2% CACL2, 1/4#SK CELLO-FLAKE MIXED AT 15.6 PPG, 1.18 YIELD, 5.2 GPS, DROP PLUG, DISPLACE WITH 23 BBLS WATER. PLUG DOWN AT 23:30 HRS 07/21/2003, SHUT WELL IN, HAD FULL RETURNS, CIRCULATE 23 BBLS (128 CU FT) GOOD CEMENT TO SURFACE, WITNESSED BY AL YAPPA OF BLM. WAIT ON CEMENT. BACK OUT LANDING JOINT, NIPPLE UP BRADEN HEAD, NIPPLE UP BOP.
- 07/23/2003 NIPPLE UP BOP, FLOW LINE KILL LINE AND CHOKE MANIFOLD. PRESSURE TEST BOP, BLIND RAMS HAD SLOW LEAK. PIPE RAMS HAD SLOW LEAK. UNABLE TO GET TEST. PUSHER WENT TO TOWN PICKED UP NEW RAMS AND TEST PLUG. PRESSURE TEST BOP, TEST BLIND RAMS, PIPE RAMS, KELLY VALVE, FLOOR VALVE, KILL LINE AND CHOKE MANIFOLD TO 300 PSI LOW AND 1500 PSI HIGH WITH TEST PLUG 15 MIN EACH TEST, TEST GOOD, TEST CASING TO 500 PSI, 30 MIN TEST GOOD. CLEAN OUT MUD PITS, REFILL WITH WATER. REDRILL MOUSE HOLE. PICK UP BHA, RIH, TAG CEMENT AT 260'. DRILL OUT CEMENT SHOE JOINT. PLUG FLOW LINE, CLEAN OUT FLOW LINE. DRILL OUT CEMENT SHOE JOINT. DRILL 8-3/4" HOLE F/332' - T/519', WOB = 40, RPM = 75, 1150 PSI. MIX MUD, 8.5 PPG, 32 VIS. BIT #2 = 8-3/4", HTC, HXS-09CJ, #5018885, 10-11-11. 1-3/4 HRS, 187', 107'/HR.
- 07/24/2003 DRILL F/519' - T/845', (93'/HR). SURVEY AT 805', 1 DEGREE (TELEDIFT). DRILL F/805' - T/1430', (100'/HR) MUD = 8.6 PPG, 34 VIS, 10.6 WL. SURVEY AT 1307', 1 DEGREE (TELEDIFT). DRILL F/1430' - T/1863', (108'/HR) MUD = 8.7 PPG, 34 VIS, 10.8 WL. SURVEY AT 1855', 1 DEGREE (TELEDIFT). DRILL F/1863' - T/2113', (71'/HR) MUD = 8.7 PPG, 34 VIS, 11 WL. SERVICE RIG. DRILL F/2113' - T/2363', (91'/HR) MUD = 8.7 PPG, 35 VIS, 11.2 WL. SURVEY AT 2353', 2 DEGREES (TELEDIFT). DRILL F/2363' - T/2588', (82'/HR) MUD = 8.8 PPG, 36 VIS, 11.5 WL.
- 07/25/2003 DRILL F/2588' - T/2852', (48'/HR) MUD = 9.0 PPG, 35 VIS, 12 WL. SURVEY AT 2852', 1 DEGREE. DRILL F/2852' - T/3143', (61'/HR) MUD = 9.1 PPG, 40 VIS, 11.8 WL. SERVICE RIG. DRILL F/3143' - T/3360', (48'/HR) MUD = 9.3 PPG, 36 VIS, 10.1 WL. SURVEY AT 3352', 1 DEGREE. DRILL F/3360' - T/3485', (50'/HR) MUD = 9.0 PPG, 38 VIS, 11 WL. SERVICE RIG. DRILL F/3485' - T/3745', (45'/HR) MUD = 9.2 PPG, 35 VIS, 8.9 WL. BIT #2 = 8-3/4", HTC, HXS-09CJ, #5018885, 10-11-11. 3413', 47.5 HRS = 72'/HR.
- 07/26/2003 DRILL F/3745' - T/3887', (47'/HR) MUD = 9.3 PPG, 35 VIS, 9 WL. SURVEY AT 3857', 1 DEGREE. DRILL F/3887' - T/4139', (35'/HR) MUD = 9.3 PPG, 40 VIS, 110 WL. SERVICE RIG. DRILL F/4139' - T/4307', (27'/HR) MUD = 9.2 PPG, 38 VIS, 10 WL. POOH 25 STANDS DUE TO KELLY HOSE FAILURE. WAIT ON NEW KELLY HOSE, (CIRCULATE HOLE WITH SWEDGE), REPLACE KELLY HOSE. TRIP BACK IN WITH 25 STANDS. DRILL F/4307' - T/4315', (32'/HR) MUD = 9.2 PPG, 32 VIS, 8.8 WL. BIT #2 = 8-3/4", HTC, HXS-09CJ, #5018885, 10-11-11. 3983', 64.25 HRS = 62'/HR.
- 07/27/2003 DRILL F/4315' - T/4448', (23'/HR) MUD = 9.3 PPG, 46 VIS, 8 WL, 10% LCM. SURVEY AT 4417', 1-1/4 DEGREES. DRILL F/4448' - T/4574', (30'/HR) MUD = 9.3 PPG, 40 VIS, 8 WL, 10% LCM. SERVICE RIG. DRILL F/4574' - T/4750', (21'/HR) MUD = 9.3 PPG, 49 VIS, 8 WL, 10% LCM. SERVICE RIG. DRILL F/4750' - T/4838', (19'/HR) MUD = 9.3 PPG, 48 VIS, 9.2 WL, 7% LCM. BIT #2 = 8-3/4", HTC, HXS-09CJ, #5018885, 10-11-11. 4506', 87.5 HRS = 51.5'/HR.

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

Signed:

Thomas E. Mullins

Title: Engineering Manager
(505) 325-5449

Date: 08-18-2003

This space for federal or state office use

Approved by:

/s/ David R. Sitzler

Division of Multi-Resources

Date:

SEP 24 2003

Conditions of approval if any

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.

07/28/2003 DRILL F/4448' - T/4882', (18'/HR) MUD = 9.3 PPG, 44 VIS, 8.2 WL, 7% LCM. SURVEY AT 4852', 1 DEGREE. DRILL F/4882' - T/5040', (25'/HR) MUD = 9.6 PPG, 45 VIS, 8.5 WL, 3% LCM. LOST CIRCULATION (100 BBLS), TRIED TO RUN SOLIDS CONTROL EQUIPMENT TO LOWER MUD WT. GETTING OUT OF HAND. POOH WITH 10 STANDS DRILL PIPE. MIX MUD AND LCM, BUILD VOLUME, MUD = 8.7 PPG, 55 VIS, 10 WL, 10% LCM. REGAIN CIRCULATION. TRIP BACK TO BOTTOM. DRILL F/5040' - T/5240', (17'/HR) MUD = 9.1 PPG, 60 VIS, 10 WL, 8% LCM. BIT #2 = 8-3/4", HTC, HXS-09CJ, #5018885, 10-11-11. 4908', 108 HRS = 45'/HR.

07/29/2003 DRILL F/5240' - T/5287", (17'/HR) MUD = 9.1 PPG, 50 VIS, 8.8 WL, 9% LCM. CIRCULATE AND CONDITION HOLE FOR TRIP. TRIP OUT OF THE HOLE FOR BIT. FUNCTION TEST BOP, CHANGE OUT BITS. TRIP IN THE HOLE WITH BIT #3. WASH AND REAM 40' TO BOTTOM. DRILL F/5287' - T/5411', (15'/HR) MUD = 9.2 PPG, 48 VIS, 8.4 WL, 9% LCM. SERVICE RIG. DRILL F/5411' - T/5442', (21'/HR) MUD = 9.2 PPG, 48 VIS, 8.4 WL, 9% LCM. SURVEY AT 5432', 1 DEGREE. DRILL F/5442' - T/5450', (8'/HR) MUD = 9.2 PPG, 48 VIS, 8.4 WL, 9% LCM. POOH 10 STANDS TO REPACK WASHPIPE ON SWIVEL. BIT #2 = 8-3/4", HTC, HXS-09CJ, #5018885, 10-11-11. 4955', 110.75 HRS = 45'/HR, 4, 4, BT, IN, SE, 1/8, HRS. BIT #3 = 8-3/4", HTC, HR-30C, #5030570, 10-11-11. 163', 10.75 HRS = 15'/HR.

07/30/2003 POOH 10 STANDS TO REPACK WASPIPE ON SWIVEL. REPACK WASH PIPE ON SWIVEL. SERVICE RIG, INSPECT DERRICK. RIH TO BOTTOM. DRILL F/5450' - T/5567', (14'/HR) MUD = 9.3 PPG, 40 VIS, 8.8 WL, 6% LCM. SERVICE RIG. DRILL F/5567' - T/5660', (12'/HR) MUD = 9.4 PPG, 44 VIS, 10 WL, 7% LCM. SERVICE RIG. DRILL F/5660' - T/5725', (11'/HR) MUD = 9.3 PPG, 44 VIS, 10 WL, 8% LCM. BIT #3 = 8-3/4", HTC, HR-30C, #5030570, 10-11-11. 438', 32.25 HRS = 13'/HR.

07/31/2003 DRILL F/5725' - T/5737', (12'/HR) MUD = 9.3 PPG, 42 VIS, 9 WL, 8% LCM. REPAIR MUD PUMP. DRILL F/5737' - T/5786', (12'/HR) MUD = 9.1 PPG, 40 VIS, 9 WL, 7% LCM. SERVICE RIG. DRILL F/5786' - T/5940', (14'/HR) MUD = 9.4 PPG, 40 VIS, 9 WL, 5% LCM. SURVEY AT 5932', 1 DEGREE. SERVICE RIG. DRILL F/5940' - T/6050', (17'/HR) MUD = 9.4 PPG, 43 VIS, 9 WL, 5% LCM. BIT #3 = 8-3/4", HTC, HR-30C, #5030570, 10-11-11. 763', 54.75 HRS = 14'/HR.

08/01/2003 DRILL F/6050' - T/6128', (20'/HR) MUD = 9.4 PPG, 45 VIS, 10 WL, 6% LCM. SERVICE RIG. DRILL F/6128' - T/6135', (TD), (14'/HR) MUD = 9.3 PPG, 70 VIS, 10 WL, 5% LCM. CIRCULATE AND CONDITION HOLE. SHORT TRIP 10 STANDS, NO DRAG, NO FILL. CIRCULATE AND CONDITION HOLE, WAIT ON HALLIBURTON. POOH FOR LOGS. RIG UP HALLIBURTON, LOG WELL F/6131' - T/332', RIG DOWN HALLIBURTON. TRIP IN THE HOLE, BREAK CIRCULATION @ 800' & 3600'. LOST 100 BBLS MUD, REGAIN FULL CIRCULATION. BIT #3 = 8-3/4", HTC, HR-30C, #5030570, 10-11-11. 848', 59.25 HRS = 14'/HR, 3, 3, WT, ALL, E, 1/8, NO, TD.

08/02/2003 TRIP IN THE HOLE. CIRCULATE AND CONDITION HOLE. TRIP OUT, LAY DOWN DRILL PIPE AND DRILL COLLARS. CHANGE OUT PIPE RAMS FOR CASING RAMS, RIG UP CASING CREW. RUN 57 JOINTS OF 7" CASING, TAG BRIDGE AT 3505'. RIG UP SWEDGE, WASH THROUGH BRIDGE, NO RETURNS, LOST 150 BBLS MUD. RUN 87 MORE JTS OF 7" CASING, LAND AT 6135' (DV TOOL @ 3770' & PORT COLLAR @ 1508'). RIG UP BJ SERVICES, TRY TO CIRCULATE HOLE, MIX MUD AND BUILD VOLUME. LOST APPROX. 275 BBLS MUD, NO RETURNS. CEMENT FIRST STAGE AS FOLLOWS: PUMP 10 BBLS MUD CLEAN, 5 BBLS WATER, 10 BBLS GEL WATER, 5 BBLS WATER CEMENT WITH 100 SKS (250 CU FT) TYPE 3, 3% KCL, 8% BENTONITE, .25#/SK CELLO-FLAKE, 4#/SK PHENO-SEAL, 0.3% SODIUM METASILICATE FOR LEAD SLURRY MIXED AT 12.2 PPG, 2.5 YIELD, 14.22 GPS. 75 SKS (157 CU FT) PREMIUM LITE HS FM, 5% SODIUM CHLORIDE, 0.25#/SK CELLO-FLAKE, 4#/SK PHENO-SEAL, 0.3% CD-32 FOR TAIL CEMENT MIXED AT 12.5 PPG, 2.09 YIELD, 10.83 GPS. DISPLACE WITH 93 BBLS WATER AND 148 BBLS MUD, REGAIN CIRCULATION 30 BBLS INTO DISPLACEMENT, FULL RETURNS, 515 PSI LIFT PRESSURE, BUMP PLUG AT 01:00 HRS. 08/02/2003, FLOAT HELD. DROP DV SHIFT TOOL, OPEN DV TOOL WITH 650 PSI, CIRCULATE AND WAIT ON CEMENT.

08/03/2003 CEMENT SECOND STAGE AS FOLLOWS: PUMP 5 BBLS WATER, 10 BBLS MUD CLEAN, 5 BBLS WATER CEMENT WITH 381 SKS (952 CU FT) TYPE 3, 3% KCL, 8% BENTONITE, .25#/SK CELLO-FLAKE, 4#/SK PHENO-SEAL, 0.3% SODIUM METASILICATE FOR LEAD SLURRY MIXED AT 12.2 PPG, 2.5 YIELD, 14.22 GPS. 76 SKS (159 CU FT) PREMIUM LITE HS FM, 5% SODIUM CHLORIDE, 0.25#/SK CELLO-FLAKE, 4#/SK PHENO-SEAL, 0.3% CD-32 FOR TAIL CEMENT MIXED AT 12.5 PPG, 2.09 YIELD, 10.83 GPS. DISPLACE WITH 148 BBLS WATER, LOST CIRCULATION 111 BBLS INTO DISPLACEMENT, REGAIN FULL RETURNS 127 BBLS INTO DISPLACEMENT, HAD 850 PSI LIFT PRESSURE, NO CEMENT TO SURFACE, PLUG DOWN AT 06:52 HRS. 08/02/2003, FLOAT HELD. NIPPLE DOWN BOP, SET SLIPS (WT ?), CUT OFF CASING RIG DOWN ROTARY TOOLS, INSTALL TRASH CAP ON WELLHEAD. RIG RELEASED AT 14:00 HRS 08/02/2003. MOVE TO THE BOIS D' ARC DIVIDE 22 #2. WILL RUN GR-CBL LOG TO SURFACE.