

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

AUG 18 2008

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

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 J, 1915' FSL, 1970' 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 Divide 22 # 3

9. API Well No

30-043-20983

10. Field and Pool, or Exploratory

WC 21N5W22J 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.

SYNERGY OPERATING, LLC PROPOSES TO ADD ADDITIONAL MESAVERDE PAY PER THE ATTACHED
PROCEDURE AND PLACE THE WELL BACK ON PRODUCTION.

RCVD AUG 19 '08

OIL CONS. DIV.

DIST. 3

A COMPLETE C-144 MUST BE SUBMITTED TO AND
APPROVED BY THE NMOCD FOR: A PIT, CLOSED
LOOP SYSTEM, BELOW GRADE TANK, OR
PROPOSED ALTERNATIVE METHOD, PURSUANT TO
NMOCD PART 19.15.17, PRIOR TO THE USE OR
CONSTRUCTION OF THE ABOVE APPLICATIONS.

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

Signed:

Bart Hegarty
Bart Hegarty

Title: Engineering Intern

(505) 325-5449

Date:

08-18-2008

This space for federal or state office use

Approved by:

Original Signed: Stephen Mason

Title

Date:

AUG 18 2008

Conditions of approval if any

NMOCD

Procedure:

Bois d' Arc Divide 22 #3

- (1) - Prepare location for work-over equipment and Frac Tanks (2 x 400 bbl. Tanks w 2% KCl water). Check wellhead (Larkin) valves and bolts, ensure functionality. Clear location of any impeding weeds or obstructions for work-over rig.
- (2) - Conduct anchor tests if tags are not current.
*Pumper believes that Rods are scaled in up position.
- (3) - Move in Rig w flow-back tank.
- (4) - RU. Check TBG, CSG, and BH press. **(Record Press. Readings!)** Blow down casing as necessary to flow-back tank.
- (5) - "Hot oil" casing w 30 bbls of Hot water to mobilize rods.
- (6) - If Rods fall. ND Horse head. Unseat pump. LD polish Rod.
- (7) - "Hot oil" tubing w 30 bbls of Hot oil to clean rods.
- (8) - Tally rods out of hole. Leave in basket. Note condition of rods, check for scale. (42-7/8" Rods, 107- 3/4" Rods, 4- 1" wt. Rods, 4'- 7/8" pony, 16' Top Hold Down Pump)
- (9) - NU BOPE. Function test BOPE.
- (10) - Circulate oil out to rig tank. Transfer to SWD (Divide 22#1).
- (11) - GIH w/ tubing. Tag fill. Record Depth.
- (12) - Tally 2-7/8" production tubing out of hole. (117 jts. 2-7/8" 6.5# J-55, 0.9' SN, 6.45' perf. Sub, 1 jt. (33.09') mud anchor, tapped Bull Plug) Depth @ 3881'. (LD & Replace Bad Joints)
- (13) - MIRU Blue Jet wire-line w packoff. (3-1/8" HSC Owen 302 Gun, 0.34 dia). Phased @ 120°. Marker jt. @ 3393'-3398'. Correlate w Blue Jet GR-CCL-CBL Run. (Log Date- 11/05/03)
- (14) - Perforations (Btm-Up)
Zone #1 - Perfs from 3726' to 3736' (10') / 2 shots per Ft. / 20 Holes in this Zone.
Zone #2 - Perfs from 3754' to 3772' (18') / 2 shots per Ft. / 36 Holes in this Zone.
28' TOTAL of Sand / 56 HOLES TOTAL
- (15) - POOH w/ gun. RDMO Blue Jet.
- (16) - GIH w (2.25" ID SN), (1.9" ID -Retrievomatic-) PKR for 5-1/2" casing & 2-7/8" tubing and a (1.9" MCL). Set @ 3800' below all perforations. Press. test tubing to 6000 psi. (2-7/8" 8rd, Top Connection). Release press.
- (17) Move PKR, set @ 3680'.
- (18) - RU (Key Energy Acid Crew). Pump @ maximum rate (5000 psi max press.) 750 gal 7.5% HCL w 100 ball-sealers (RLN/ 7/8"/ 1.3 SG). Ball Out.
- (19) - Release Press. Use PKR to knock balls off to PBTd.
- (20) - Reset PKR @ 3680'.
- (21) - RU WSI Frac valve (10K), flanged to BOPE.
- (22) - RU (Key Energy FC). Treatment will be pumped @ 18 BPM down tubing. Use 35,000 # 20/40 Brady w 10,000 # Super LC prop in 20# XL gel. Monitor Casing Head press. through job in computer van.
- (23) - RU to flowback well to flowback tank on 1/2 positive choke.
- (24) - Release PKR. COOH w PKR. LD

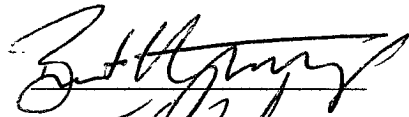
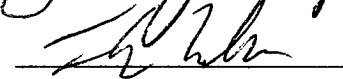
- (25) - GIH and clean out sandfill to PBTD w rig-pit water. Put 4-1/2" bit w/ Bit Sub (4-1/2" Bit used). Power Swivel. COOH.
- (26) - Rerun 2- 7/8" production tubing: (Tapped Bull Plug, 1 jt. Mud Anchor, 6' perf Sub, SN, remaining tubing). Land @ 3881'
- (27) - RI (2" Bore Pump along w 3/4" and 7/8" rod string). Space out pump. NU polish rod w / rotator. Hang on well.
- (28) - Stroke pump. Test valves.
- (29) Run Pump Jack.
- (30) Observe over night.
- (31) RD and release rig and equipment.
- (32) Verify status of well production.
- (33) Report production and file State and Federal completion documents.

Contact List

Wellhead, Isolation Tools-	WSI Machine	(505) 326-0308
DH Tools-	Baker Oil Tools	(505) 325-0216
Perforating Services-	Blue Jet	(505) 325-5584
Stimulation-	Key Energy	
DH Pump and Rods-	Energy Pump & Supply	(505) 564-2874
Supervision-	(Synergy Operating)	
	Tom Mullins	(505) 320-1751
	Bart Hegarty	(505) 330-3210

Bart Hegarty (Author)-

Tom Mullins (Supervising Engineer) -

 8/18/08
 8/18/08

NOT TO SCALE
Current Wellbore

Elevation: 7247' KB
7235' GL
Hole Size 12-1/4"
Hole Size 7-7/8"

SPUD:
08/09/03

COMPLETED:
03/04/04

LAST DATE OF WORK:
08/30/05 (Pump Change)

Bois D' Arc Divide 22 #3

Sec. 22-T21N-R05W/Unit J
1915'FSL/1970'FEL
Sandoval County, NM
API# 30-043-20983
- NMNM-105533 -
LAT. 36.01'59"N
LONG. 107.20'55"W

5-1/2" Marker Jt.
@ 3393'-3398'

Collapsed Casing-
(Fished for SAPP Tool) @
3652' on 3/2/04

Seating Nipple (0.9') @ 3843'
Perf. Sub (6.45')

(33.09') 2-7/8" MUD ANCHOR

PBTD @ (3925')

