

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WORK OIL WELL ☐ GAS WELL ☒ DRY ☒ Other <u>070 Farmington, NM</u>		7. UNIT AGREEMENT NAME <u>Bois d' Arc Encino 15 # 1</u>	
1b. TYPE OF WELL NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐		8. FARM OR LEASE NAME, WELL NO. <u>Bois d' Arc Encino 15 # 1</u>	
2. NAME OF OPERATOR <u>Synergy Operating, LLC</u>		9. API WELL NO. <u>30-031-21008</u>	
3. ADDRESS AND TELEPHONE NO. <u>PO Box 5513, Farmington, NM 87499 (505) 325-5549</u>		10. FIELD AND POOL OR WILDCAT <u>WC20N05W15A-Undesignate</u>	
4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)* At Surface <u>Unit A, 250' FNL, 920' FEL, Sec 15, T20N R05W</u> At top prod. Interval reported below At total depth <u>Unit A, 151' FNL, 736' FEL, Sec 15, T20N R05W</u>		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <u>Sec 15 - T20N - R05W</u>	
14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED <u>11-12-2001</u>		16. DATE T.D. REACHED <u>11-30-2001</u>	
17. DATE COMPL. (Ready to prod.) <u>03-22-2002</u>		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* <u>6725' GL (11' KB)</u>	
19. ELEV. CASINGHEAD <u>6726'</u>		20. TOTAL DEPTH, MD & TVD <u>5298' MD 5287' TVD</u>	
21. PLUG BACK T.D., MD & TVD <u>5253' MD 5243' TVD</u>		22. IF MULTIPLE COMPL., HOW MANY* <u>DV @ 3024'</u>	
23. INTERVALS DRILLED BY <u>Aztec # 507</u>		24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)* <u>DAKOTA (Encinal Canyon) 5126' to 5162' MD, 5116'-5152' TVD</u>	
25. WAS DIRECTIONAL SURVEY MADE <u>Yes</u>		26. TYPE ELECTRIC AND OTHER LOGS RUN <u>GR, SP, IND, NEU, DENSITY, Calipher, Microlog - Schlumberger</u>	
27. WAS WELL CORED <u>No</u>		28. CASING RECORD (Report all strings set in well)	
CASING SIZE/GRADE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE
<u>8-5/8" J-55</u>	<u>24#</u>	<u>230-241' KB</u>	<u>12-1/4"</u>
<u>5-1/2" J-55</u>	<u>15.5#</u>	<u>5289' KB</u>	<u>7-7/8"</u>
		<u>DV @ 3024'</u>	
29. LINER RECORD		30. TUBING RECORD	
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)
<u>5126' - 5134' (8') 4 SPF</u>	<u>0.34"</u>	<u>32</u>	<u>5126' to 5162'</u>
<u>5146' - 5162' (16') 4 SPF</u>	<u>0.34"</u>	<u>64</u>	
		AMOUNT AND KIND OF MATERIAL USED	
		<u>BD w/ 10 bbls 4% KCl</u>	
		<u>Swab Testing</u>	
33.* PRODUCTION		WELL STATUS (Producing or shut-in)	
DATE FIRST PRODUCTION <u>03-22-2002</u>	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) <u>Swab Test Below Packer</u>		<u>Abandoned</u>
DATE OF TEST <u>03-22-2002</u>	HOURS TESTED <u>10</u>	CHOKE SIZE <u>n/a</u>	PROD'N. FOR TEST PERIOD <u>0</u>
FLOW. TUBING PRESS. <u>zero</u>	CASING PRESSURE <u>n/a</u>	CALCULATED 24-HOUR RATE <u>0</u>	GAS-MCF. <u>0</u>
			WATER-BBL. <u>200</u>
			GAS-OIL RATIO <u>n/a</u>
			WATER-BBL. <u>480</u>
			OIL GRAVITY-API (CORR.) <u>n/a</u>
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <u>None</u>			
35. LIST OF ATTACHMENTS <u>None</u>			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records SIGNED <u>[Signature]</u> TITLE <u>Engineering Manager</u>			

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes 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

FARMINGTON

DAKOTA

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Fruitland	485'	590'	Mud Log Gas Shows
Pictured Cliffs	590'	924'	Mud Log Gas Shows
Menefee	1977'	2851'	Mud Log Gas Shows in Coal Seams & Sand
Gallup Formation	4028'	4119'	Mud Log Gas Shows, Lost Circulation Zone
Dakota	4881'	5245' (PBT)	Porous Sand. Swab Tested. 200 bbls water

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Nacimiento	Surface	Surface
Ojo Alamo	135	133
Kirtland	245	241
Fruitland	485	481
Pictured Cliffs	590	585
Lewis Shale	924	916
Chacra	969	961
Cliffhouse (La Ventana)	1271	1261
Menefee	1977	1967
Pt. Lookout	2851	2841
Mancos	3005	2995
Semilla SS, Mancos	3814'-3881'	3804'-3871'
Juana Lopez SS, Man	3889	3879
Gallup Formation	4028'-4119'	4027'-4109'
Greenhorn	4794	4783
Dakota	4881	4869

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