

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other <u>070 Farmington, NM</u>		5. LEASE DESIGNATION AND SERIAL NO. <u>NMNM - 99720</u>	
1b. TYPE OF WELL NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF RESVR <input type="checkbox"/>		6. INDIAN, ALLOTTEE OR TRIBE NAME <u>Bois d' Arc Encino 15 # 1</u>	
2. NAME OF OPERATOR <u>Synergy Operating, LLC</u>		7. UNIT AGREEMENT NAME <u>WC</u>	
3. ADDRESS AND TELEPHONE NO. <u>PO Box 5513, Farmington, NM 87499 (505) 325-5549</u>		8. FARM OR LEASE NAME, WELL NO. <u>30-031-21008</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>		9. API WELL NO. <u>WC</u>	
14. PERMIT NO.		DATE ISSUED <u>NOV 2002</u>	
10. FIELD AND POOL OR WILDCAT <u>WC20N05W15A-Undesignate</u>		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <u>Sec 15 - T20N - R05W</u>	
12. COUNTY OR PARISH <u>McKinley County</u>		13. STATE <u>New Mexico</u>	
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>03-25-2002</u>	18. ELEVATIONS (DF, RKB, RT, GR, ETC.) <u>6725' GL (11' KB)</u>
20. TOTAL DEPTH, MD & TVD <u>5298' MD 5287' TVD</u>		21. PLUG BACK T.D., MD & TVD <u>4793' MD 4783' TVD</u>	22. IF MULTIPLE COMPL., HOW MANY* <u>1</u>
23. INTERVALS DRILLED BY <u>Aztec # 507</u>		ROTARY TOOLS <u>Aztec # 507</u>	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION-TOP, BOTTOM, NAME (MD AND TVD)* <u>Mancos (Gallup Sandstone Interval) 4030' to 4150' MD, 4020' to 4140' TVD</u>		25. WAS DIRECTIONAL SURVEY MADE <u>Yes</u>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <u>GR, SP, IND, NEU, DENSITY, Caliper, Microlog - Schlumberger</u>		27. WAS WELL CORED <u>No</u>	
23. 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			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
<u>2-7/8"</u>	<u>4398'</u>	<u>none</u>	
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)
<u>4030' to 4150' (1 per 5')</u>	<u>0.34"</u>	<u>25</u>	<u>4030' - 4150'</u>
		AMOUNT AND KIND OF MATERIAL USED	
		<u>1000 gals 10% Acetic</u>	
		<u>44,940 gals 70 Q Foam, No sand</u>	
33.* PRODUCTION			
DATE FIRST PRODUCTION <u>03-29-2002</u>	PRODUCTION METHOD (Flowing, gas lift, pumping-size and type of pump) <u>Rod Pumping Equipment</u>		WELL STATUS (Producing or shut-in) <u>Shut-In</u>
DATE OF TEST <u>3-29-02 to 07-28-02</u>	HOURS TESTED <u>121 days</u>	CHOKE SIZE <u>n/a</u>	PROD'N. FOR TEST PERIOD <u>52</u>
FLOW. TUBING PRESS. <u>pumping</u>	CASING PRESSURE <u>10 psi</u>	CALCULATED 24-HOUR RATE <u>0.5 BOPD</u>	GAS-MCF. <u>484 Vented</u>
			WATER-BBL. <u>1297</u>
			GAS-OIL RATIO <u>9</u>
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <u>Used for Fuel on Lease, then vented excess. 1378 btu gas</u>			
35. LIST OF ATTACHMENTS <u>NOV 08 2002</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> DATE <u>11/7/02</u>			

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

NMOC

Mancos

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 (Manco)	4028'	4119'	Mud Log Gas Shows, Lost Circulation Zone
	4030'	4150'	Completed and Production Tested. Unecon
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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