

(See other instructions on reverse side)

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 ☐

1b. TYPE OF WELL

NEW WELL ☐WORK OVER ☒DEEPEN ☐PLUG BACK ☐DIFF RESVR ☐

2. NAME OF OPERATOR

Synergy Operating, LLC (OGRID # 163458)

3. ADDRESS AND TELEPHONE NO.

PO Box 5513, Farmington, NM 87499

(505) 325-5549

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.)*

At Surface

Unit H, 1770' FNL, 944' FEL, Section 11, T29NR04W

At top prod. Interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

15. DATE SPUDDED

08-08-73

16. DATE T.D. REACHED

11-26-73

17. DATE COMPL. (Ready to prod.)*

10-11-03

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

7050' GL

19. ELEV. CASINGHEAD

7051'

20. TOTAL DEPTH, MD & TVD

8475' MD 8475' TVD

21. PLUG BACK T.D., MD & TVD

3790' MD 3790' TVD

22. IF MULTIPLE COMPL., HOW MANY*

Two (2)

23. INTERVALS DRILLED BY

ROTARY TOOLS

Arapahoe Drilling

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Choza Mesa Pictured Cliffs (74960) - 3692' to 3755', 13 holes

Basin Fruitland Coal (71629) - 3602' to 3683', 34 holes

25. WAS DIRECTIONAL SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Cased Hole GR-CCL-CBL (09-22-2003) & original OH Logs (SP, GR, Induction, CNL, Density)

27. WAS WELL CORED

No

23. CASING RECORD (Report all strings set in well)

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" K-55	24#	237'	12-1/4"	150 sxs to surface	
5-1/2" K-55	15.5# & 17#	8470'	7-7/8"	720 sxs, TOC 7390' CBL	
		6348'	7-7/8"	208 sxs, TOC 6080' CBL	Old Squeeze
		3855'	7-7/8"	330 sxs, TOC 850' CBL	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	3595' KB (116 Jts)	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	NUMBER
3692' to 3755'	0.28"	13
3602' to 3683'	0.36"	34
Total		47

See Detail, Attached Sheet

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3602' to 3755'	SAPP Tool, KCI Breakdown
3602' to 3755'	60 Q 25# X-linked Foam - 652 K N2
	w/ 52,180 lbs 20/40 brady and
	80,860 lbs 20/40 LC - 752 bbls ge

33.* PRODUCTION

DATE FIRST PRODUCTION 10-11-2003		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing on Clock				WELL STATUS (Producing or shut-in) Producing	
DATE OF TEST 09-26-03	HOURS TESTED 42	CHOKE SIZE 1/2"	PROD'N. FOR TEST PERIOD →	OIL—BBL. →	GAS—MCF. 150 MCFD est	WATER—BBL. 50 BWPD est	GAS-OIL RATIO →
FLOW, TUBING PRESS. 500#	CASING PRESSURE n/a	CALCULATED 24-HOUR RATE →	OIL—BBL. →	GAS—MCF. 150 MCFD Est	WATER—BBL. 50 BWPD est	OIL GRAVITY-API (CORR.) →	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Gas to be sold via existing WFS meter # 85058

35. LIST OF ATTACHMENTS

GR-CBL Log, and Flow Test Production Allocation, DHC paperwork

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Engineering Manager

DATE 11/25/2003

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

NMOC

for your disposition

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).					38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP		
					MEAS. DEPTH	TRUE VERT. DEPTH	
Fruitland Pictured Cliffs Cliffhouse Meneffe Pt. Lookout Mancos Gallup Dakota			Original Well Mud Logged from 3000' to TD	Ojo Alamo	2950'		
	3560'		Coals and Sands	Kirtland	3390'		
	3686'		Sandstone	Fruitland	3560'		
				Pictured Cliffs	3686'		
				Lewis	3972'		
	5850'		Sandstone (Water ?)	Cliffhouse	5850'		
	5892'		Sands and Coals (Gas ?)	Meneffe	5892'		
	6088'		Sandstone (Gas ?)	Pt. Lookout	6088'		
	6323'		Gas Shows	Mancos	6323'		
	7180'		Gas Zones Completed	Gallup	7180'		
	8322'		Tested Water	Greenhorn	8100'		
			Dakota	8322'			
29-4 Carson 11 # 2 (3160-4)							

29-4 Carson 11 # 2

Actual Perforation Breakout

**Pictured Cliffs 3755', 3749', 3746', 3734', 3732', 3730', 3716', 3711',
3704', 3699', 3697', 3695', 3692', - Total Thirteen (13) holes, 0.28" diameter,
1 JSPF, zero degree phase.**

**Fruitland Coal 3683', 3682', 3681', 3671', 3670', 3629', 3627', 3626',
3624', 3615', 3614', 3613', 3606', 3605' -0.36" diameter, 2 JSPF, 120 deg
phase.**

3660', 3652', 3641' (0.28" diameter) – 1 JSPF, zero phase

Plus 3 – Squeeze Holes at 3602' (0.34"), these were not squeezed

Total of thirty-four (34) in Fruitland Coal

**Total of forty-seven (47) perforations in both the PC and FTC from 3602' to 3755' (150'
interval). Hole size adjusted by stand-off. All charges Owen 302. RD Blue Jet.**

**TEM
11/25/03**