

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.

NMNM-18319

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WORK

OIL WELL ☐

GAS WELL ☒

DRY ☐

Other

1b. TYPE OF WELL

NEW WELL ☐

WORK OVER ☒

DEEPEN ☐

PLUG BACK ☒

DIFF RESVR ☐

Other

2. NAME OF OPERATOR

Synergy Operating, LLC

OGRID # 163458

3. ADDRESS AND TELEPHONE NO.

PO Box 5513, Farmington, NM 87499

(505) 325-5449

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

At Surface

Unit Letter E, 1485' FNL, 793' FWL, Sec 20, T-29N, R-4W

At top prod. Interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR PARISH

13. STATE

Rio Arriba County New Mexico

15. DATE SPUDDED

02/12/74

16. DATE T.D. REACHED

06/02/04

17. DATE COMPL. (Ready to prod.)

06/02/04

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

6603' GL

19. ELEV. CASINGHEAD

6604'

20. TOTAL DEPTH, MD & TVD

5918'

MD

5918'

TVD

5858'

MD

5858'

TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS

DRILLED BY

ROTARY TOOLS

Key # 17

CABLE TOOLS

N/A

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

5377' - 5397' Cliffhouse

5620' - 5743' Menefee & Pt. Lookout

25. WAS DIRECTIONAL SURVEY MADE

N/A

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray - CCL - Bond Log, GR-Density-Induction

27. WAS WELL CORED

Yes

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
10-3/4"	40.5# K-55	226'	15"	225 sxs, Class A and 2% CaC12	
7"	20 & 23# K-55	3800'	8-3/4"	110 sxs, 50/50 Poz 6.25# Gil &	
				0.5 % CFR-2	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	3641'	5916'	340 sxs	Reverse	2-3/8"	5696'	5498'
				2 bbls Cmf.			

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

INTERVAL SIZE NUMBER
5377' - 5397' 34

5620' - 5743' 18

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5377' - 5397'	1000 gals 15% HCL
5377' - 5397'	30,000# 10/20 Gelled CO2
5620' - 5743'	750 gals 15% HCL
5620' - 5743'	50,000# 20/40 X-Link Nitrogen Foam

33.*

DATE FIRST PRODUCTION

PRODUCTION

WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL/S	GAS--MCF	WATER--BBL	GAS-OIL RATIO
6/07/04	24	1/2"	0	0	1,013	0	N/A
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL	GAS--MCF	WATER--BBL	OIL GRAVITY-API (CORR.)	
175# psi	N/A			1,013			N/A

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

To be sold to WFS Meter # 85060

TEST WITNESSED BY

Thomas E. Mullins

35. LIST OF ATTACHMENTS

None

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

6/7/2004

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

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
Cored Pictured Cliffs	3364'	3426'	Mud Drilled Core, Sandstone	Kirtland	2915'	2915'
Cored Pictured Cliffs	3436'	3483'	Sandstone - Air Mist	Fruitland	3092'	3092'
Cored Cliffhouse	5351'	5353'	Sandstone - Air Mist	Pictured Cliffs	3284'	3284'
Cored Cliffhouse	5359'	5374'	Sandstone - Air Mist	Lewis	4236'	4236'
			1" Stream of H ₂ O @ 5382'	Cliffhouse	5365'	5365'
Cored Pt. Lookout	5659'	5694'	Sandstone - Air Mist	Menefee	5403'	5403'
Cored Pt. Lookout	5784'	5793'	Sandstone - Air Mist	Pt. Lookout	5669'	5669'
				Mancos	5830'	5830'

FLN