

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.

70190001

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Jicarilla Apache Tribe

7. UNIT AGREEMENT NAME

BLANCO MESA VERDE N.M.

8. FARM OR LEASE NAME, WELL NO.

Apache JVA #4A

9. API WELL NO.

30-039-27409

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec 20, T27N, R2W, NMPM

12. COUNTY OR PARISH

Rio Arriba

13. STATE

NM

1a. TYPE OF WELL:

OIL
WELL ☐GAS
WELL ☒DRY ☐

OTHER

b. TYPE OF COMPLETION:

NEW
WELL ☒WORK
OVER ☐DEEP-
EN ☐PLUG
BACK ☐DIFF.
RESVR. ☐

OTHER

2. NAME OF OPERATOR

Jicarilla Apache Energy Corp

3. ADDRESS AND TELEPHONE NO.

P.O. Box 710 Dulce, NM 87528

505-759-3224

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

At surface

1184' FSL & 1470' FEL

At top prod. interval reported below

At total depth

A/A

14. PERMIT NO.

30-039-27409

3/27/03

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

7319' GL

19. ELEV. CASINGHEAD

7319'

15. DATE SPUNDED

4/22/03

16. DATE T.D. REACHED

5/05/03

17. DATE COMPL. (Ready to prod.)

6/17/03

20. TOTAL DEPTH, MD & TVD

6400'

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

6328'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

12' - 6400'

None

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

5693'-5727' Cliff House, 5748'-6012' Menefee, 6018'-6197' Pt Lookout

25. WAS DIRECTIONAL SURVEY MADE

Yes while drlg

26. TYPE ELECTRIC AND OTHER LOGS RUN

Induction/Density/Neutron/Temperature

24. WAS WELL CORED

No

28. 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
9 5/8" / J-55	36#/ft	322'	12 1/4"	Surf, 290 sx "B" w/2% CaCl2	Circ 22 bbls cmt
7" / J-55	20#/ft	4065'	8 3/4"	Surf, 2 stgs:215sx Lite+110	Circ 30 bbls cmt
Production Liner				sx B + 280 sx Lite + 50 sx B	
4 1/2" / J-55	10.5#/ft	6389'	6 1/4"	300 sx 50/50 Poz	Circ 10 bbls cmt

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	3915'	6389'	300 sx		2 3/8"	5680'	None

31. PERFORATION RECORD (Interval, size and number)

5693'- 5937'; .35", 37 holes - 1 JSPF

6008'- 6093'; .35", 34 holes - 1 JSPF

6123'- 6197'; .35", 18 holes - 1 JSPF

Total: .35" 89 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5693'-5937'	1000 gals 15% HCL, 76608 gal 60QN2-L-gel foam + 116200# 20/40 SLC SD
6008'-6093'	1500 gals 15% HCL, 78918 gal 60QN2
6123'-6197'	L-gel S foam & 132000#s 20/40 SLC

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD(Flowing, gas lift, pumping-size and type of pump)				WELL STATUS (Producing or shut-in)	
Shut In		Flowing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL-BBL.	GAS-MCF.	WATER-BBL.	GAS-OIL RATIO
6/16/03-Mnfee	24	24/64"	➡	Trace	550	30	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL-BBL.	GAS-MCF	WATER-BBL.	OIL GRAVITY-API (CORR.)	
N/A	208	➡	Trace	670	30	No Test	

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

Vented

TEST WITNESSED BY

Charles Neeley

35. LIST OF ATTACHMENTS

Survey Letter

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

SIGNED

TITLE Consulting PE

DATE 6/16/03

ACCEPTED FOR RECORD
AUG 21 2003

8/21/2003

7. SUMMARY OR POROUS ZONES: (Show all important zones or 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):

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GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	
San Jose	0	1660'	Sand & Shale	San Jose	Surface	
Nacimientito	1660'	3315'	Shale and Sands	Nacimientito	1660'	
Ojo Alamo	3315'	3554'	Sands	Ojo Alamo	3315'	
Fruitland	3660'	3677'	Shale, sands, coal	Kirtland	3554'	
Pictured Cliffs	3677'	3986'	Sand	Fruitland	3660'	
Huerfanito	4390'	4395'	Bentonite	Pictured Cliffs	3677'	
Cliff House	5688'	5728'	Sand w/some shale	Lewis	3986'	
Menefee	5728'	6030'	shale, coal, sand	Huerfanito	4390'	
Pt Lookout	6030'	6206'	Sand w/some shale	Cliff House	5688'	
Mancos	6206'	TD	Shale w/some sand	Menefee	5728'	
				Pt Lookout	6030'	
				Mancos	6206'	