

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 20005. Lease Serial No.
JVA: 701-99-00146. If Indian, Allottee or Tribe Name
Jicarilla Apache Nation

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.
Jicarilla Apache JV5-59. API Well No.
30-039-2709310. Field and Pool, or Exploratory
W. Lindrith Gallup - Dakota11. Sec., T., R., M., on Block and
Survey or Area Sec 5, T23N, R3W12. County or Parish
Rio Arriba13. State
NM17. Elevations (DF, RKB, RT, GL)*
7626' GL1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Otherb. Type of Completion: ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Reavr.,
Other2. Name of Operator
Jicarilla Apache Energy Corp.

3. Address P.O. Box 710, Dulce, NM 87528

3a. Phone No. (include area code)
505-759-3224

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface 2063' FNL & 1713' FEL, Sec 5, T23N, R3W, NMMP

At top prod. interval reported below A/A

At total depth A/A

14. Date Spudded
1/13/0315. Date T.D. Reached
1/29/0316. Date Completed
☐ D & A ☒ Ready to Prod.
5/1/0318. Total Depth: MD 7545'
TVD19. Plug Back T.D.: MD 7503'
TVD20. Depth Bridge Plug Set: MD N/A
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Induction and Density/Neutron

22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit report)
Directional Survey? ☐ No ☒ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	8 5/8"/J-55	24#	Surface	346'		300 sx/B	63	Surface	Circ 13 BBL CMT
7"	4 1/2" NJK	11.6#	Surface	7545'	7117' & 5975'	95sx 50/50 B/P	24.6	7117'	
					Stage 2	320sx 50/50 B/P	82.6	5975'	Circ 5 BBL CMT
					Stage 3	1000sx 50/50 FM	258		
						+60sx B neat	12.6	Surface	Circ 15 BBL CMT
					Annulus Cap	+50sx B neat	11.5	Surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	7433'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) U. Gallup	6230'	6369'	6244' - 6369'	.35	37	Open
B) L. Gallup	6408'	6442'	6408' - 6442'	.35	10	Open
C) Dakota A	7234'	7288'	7242' - 7262', 7278' - 7288'	.35	60	Open
D) Dakota B	7337'	7372'	7337' - 7357', 7360' - 7372'	.35	44	Open

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
6230' - 6369' 'A'	2000 gal 15% HCL, 86728 gal 25# xl gel, 76860#s TLC 20/40 sand + 38740#s SLC 20/40 sand
6408' - 6442' 'B'	500 gal 15% HCL
7234' - 7288' 'C'	700 gal 15% HCL, 50318 gal 50Q N2 foam-20# xl gel & 72620#s SLC 20/40 sand
7337' - 7372' 'C'	1000 gal 15% HCL, 26922 gal 50Q N2 foam-20# xl gel & 55200#s SLC 20/40 sand

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7/21/03	7/11/03	24	→	20	NG	35 BLW	No Test	No Test	Swab Test
Choke Size	Tbg. Press. Pwg. SI	Cog. Press. Pwg. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
N/A	Swab	275	→	20	NG	35 BLW	No Test	Producing on Pump	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7/21/03	6/23/03	60	→	None	Tr	None	N/A	N/A	Swab Test
Choke Size	Tbg. Press. Pwg. SI	Cog. Press. Pwg. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
N/A	SI 40	NA	→	None	Trace	None	N/A	Producing on Pump	

(See instructions and spaces for additional data on reverse side)

ACCEPTED FOR RECORD
SEP 17 2003

28b. Production - Interval C

Date First Produced 7/21/03	Test Date 4/17/03	Hours Tested 24	Test Production →	Oil BBL Trace	Gas MCF 60	Water BBL 18 BLW	Oil Gravity Corr. API No Test	Gas Gravity No Test	Production Method Swab test
Choke Size 16/64	Tbg. Press. Fwg. SI Swab	Csg. Press. 34	24 Hr. Rate →	Oil BBL Trace	Gas MCF 60	Water BBL 18 BLW	Gas : Oil Ratio No Test	Well Status Producing on Pump	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Fwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Test gas was vented

30. Summary of Porous Zones (Include Aquifers):

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.

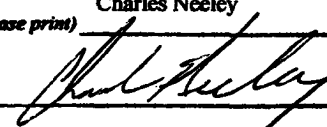
31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
San Jose	0	1452'	Sand and Shale - water	San Jose	Surface
Nacimiento	1452'	2666'	Shale and Sands - water	Nacimiento	1452'
Ojo Alamo	2666'	2940'	Sands - water	Ojo Alamo	2666'
Fruitland	2976'	3096'	Shale, sands and coal - water and gas	Fruitland	2972'
Pictured Cliffs	3096'	3134'	Sand w/shales - water and gas	Pictured Cliffs	3096'
Cliff House	4623'	4662'	Sand with some sand - gas and water	Lewis	3134'
Menefee	4662'	5168'	Shale, coal and sands - gas, oil and water	Huerfanito	3416'
Pt Lookout	5168'	5472'	Sand w/some shale - gas, oil and water	Cliff House	4623'
Gallup	6230'	7010'	Shale (shale some frac) and sand - oil, gas	Menefee	4662'
Dakota	7234'	7506'	Sands w/some shale - gas w/some oil, water	Pt Lookout	5168'
Burro Canyon	7506'	TD	Sand - water with some gas	Mancos	5472'
				Gallup	6230'
				Lower Mancos	7010'
				Greenhorn	7156'
				Graneros	7218'
				Dakota	7234'
				Burro Canyon	7506'

32. Additional remarks (include plugging procedure):
33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other: No enclosed attachments - previously submitted

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Charles Neeley Title Agent
Signature  Date 7/24/03

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.