

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED  
OMB NO 1004-0137  
Expires. January 31, 2004

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

JUL 30 2012

1a Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other

b Type of Completion. ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back

Other \_\_\_\_\_

2. Name of Operator

Jicarilla Apache Energy Corp

3. Address

P.O. Box 710 Dulce, New Mexico 87528

3a. Phone No. (include area code)

575-759-3224

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

At surface 446' FNL & 2245' FWL, Sec 20, T27N, R2W, NMPM

At top prod. interval reported below As above

At total depth As above

14. Date Spudded

2/01/2012

15. Date T.D. Reached

3/13/2012

16. Date Completed

☐ D&A ☒ Ready to Prod.

5. Lease Serial No

MDA 701-99-0014

6. If Indian, Allottee or Tribe Name

Jicarilla Apache Nation

7. Unit or CA Agreement Name and No.

Joint Venture Agreement

8. Lease Name and Well No.

Apache IVA 4B

9. API Well No

30-039-30799-0051

10. Field and Pool, or Exploratory

Blanco Mesa Verde

11 Sec, T, R, M, on Block and Survey

or Area Sec 20, T27N, R2W, NMPM

12. County or Parish

Rio Arriba

13. State

NM

17 Elevations (DF, RKB, RT, GL)\*

7309' RKB

18. Total Depth. MD 6627'

TVD A/A

19. Plug Back T.D.: MD 6583'

TVD A/A

20. Depth Bridge Plug Set: MD

TVD

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

Induction & Neutron Density Logs

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12 1/4"	9 5/8"/J-55	36	Surf	329' KB		162 cf 1-2	28 9	Surface	6 bbls Circ
8 3/4"	7"/J-55	20/23	Surf	4129' KB	2645' KB	96 35/65 G	36 2	2830' CBL	Cmt not circ
						145 G	33 3		
						450 35/65 G	152 3	Surface	34 bbls Circ
						50 G	11 5		
6 1/8"	4 5/8"/J-55	10 5	4004' KB	6627' KB		236 50/50 G	56 3	4018' CBL	Cmt not circ

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"	6089' KB							

25. Producing Intervals

Formation	TOP	Bottom	Perforated Interval	Size	No Holes	Perf Status
A) Blanco Mesa Verde	5701'	6527'	5702' - 6508'	34"	102	SI - wait on PL
B)						RCVD AUG 8 '12 OIL CONS. DIV. DIST. 3
C)						
D)						

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

Depth Interval	Amount and Type of Material
5702' - 5959'	1500 gal 15% HCL, 292,510 gals FR-66 Slickwater 10,409 lbs 40/70 Brown Sd, 139,000 lbs 20/40 Brown Sd, & 41,321 lbs 20/40 CRC Sd
6005' - 6200'	1500 gal 15% HCL, 209,951 gals FR-66 Slickwater 9258 lbs 40/70 Brown Sd, 103,279 lbs 20/40 Brown Sd, & 33,863 lbs 20/40 CRC Sd
6246' - 6508'	1500 gal 15% HCL, 206,829 gals FR-66 Slickwater, 9,620 lbs 40/70 Brown Sd, 101,617 lbs 20/40 Brown Sd, & 30,042 lbs 20/40 CRC Sd

Note Intervals commingled as A

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
			<input type="checkbox"/>						Flow
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
SI	1465	1475	<input type="checkbox"/>					Wait on PL to test and sell.	

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
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg	Call Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	

ACCEPTED FOR RECORD

AUG 06 2012

NMOCD A

FARMINGTON FIELD OFFICE  
BY TL Salvors

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	Production Method
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			<input type="checkbox"/>						

## 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
			<input type="checkbox"/>						
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
			<input type="checkbox"/>						

## 29. Disposition of Gas (Sold used for fuel, vented, etc.)

Test gas and oil to be sold

## 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	Surf	1683'	Aluvial sands and shales	San Jose	Surf
Nacimiento	1684'	3472'	Sands and shales, water & gas	Nacimiento	1684'
Ojo Alamo	3473'	3557'	Sandstone & shale; water	Ojo Alamo	3473'
Kirtland	3558'	3669'	Shale & sandstone	Kirtland	3558'
Fruitland	3670'	3691'	Carbonatous shale, coal and sand, gas	Fruitland	3670'
Pictured Cliffs	3692'	4081'	Marine sandstone & shale; gas	Pictured Cliffs	3692'
Lewis	4082'	4402'	Marine shale	Lewis	4082'
Huerfano	4403'	5700'	Bentonite Marker	Huerfano	4403'
Cliffhouse	5701'	5774'	Sandstone and shale; gas	Cliffhouse	5701'
Menefee	5775'	6026'	Coal, sandstone & shale; gas & oil	Menefee	5775'
Pt Lookout	6027'	6203'	Sandstone and shale; gas & oil	Pt Lookout	6027'
Mancos Shale	6204'		Marine shale	Mancos Shale	6204'

## 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: \_\_\_\_\_

## 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 Consulting Petroleum Engineer

Signature

Date 7/27/2012

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