

Form 3160-4
(August 1999)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other						5. Lease Serial No. JIC CONTRACT 98			
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr. Other _____						6. If Indian, Allottee or Tribe Name JICARILLA APACHE			
2. Name of Operator ENERGEN RESOURCES CORPORATION						8. Lease Name and Well No. JICARILLA 98 2B			
3. Address 2198 BLOOMFIELD HIGHWAY FARMINGTON, NM 87401						9. API Well No. 30-039-27308			
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 19 T28N R03W Mer NMP At surface NESE 2200FSL 860FEL At top prod interval reported below At total depth						10. Field and Pool, or Exploratory BLANCO MESAVERDE			
14. Date Spudded 02/27/2003						15. Date T.D. Reached 03/07/2003		16. Date Completed ☐ D & A ☒ Ready to Prod. 03/25/2003	
17. Elevations (DF, KB, RT, GL)* 7026 GL									
18. Total Depth: MD TVD 6293			19. Plug Back T.D.: MD TVD 6277			20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GR/TEMP/HRI/SPEC DENDUAL SPACED NEUT./MRIL/CCL						22. Was well cored? ☒ No ☐ Yes (Submit analysis) Was DST run? ☒ No ☐ Yes (Submit analysis) Directional Survey? ☒ No ☐ Yes (Submit analysis)			
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
12.250	9.625	32.0	0	228		150		0	
8.750	7.000	20.0	0	4049		600		610	
6.250	4.500	11.0	3944	6292		300		3944	
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	
2.375	6027								
25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status		
A) POINT LOOKOUT	5797	6074	5797 TO 6074		0.340	43	1 JSPF		
B)									
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval		Amount and Type of Material							
5797 TO 6074		41,587 GALS 70Q FOAM SLICKWATER & 190,000# 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
03/25/2003	04/01/2003	168	→	0.0	41.0	0.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Cog. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI 418		740.0	→		980			GSI	
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
			→						
Choke Size	Tbg. Press. Flwg. SI	Cog. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI			→						

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

ELECTRONIC SUBMISSION #20205 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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/s/ Brian W. Davis

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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
			→						
Choke Size	Tbg. Press. Flwg. SI	Cog. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

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. Flwg. SI	Cog. 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.)

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

98 #2B

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
POINT LOOKOUT	5797	6074	5797.99, 5803.05, 07.17, 19.21, 42	OJO ALAMO	3135
POINT LOOKOUT	5797	6074	50.52, 55.57, 59.62, 64.66, 72.74,	KIRTLAND	3400
POINT LOOKOUT	5797	6074	96.98, 5900.04, 06.08, 56.58, 76.7	FRUITLAND	3464
POINT LOOKOUT	5797	6074	96.6011, 13.36, 38.71, 74	PICTURED CLIFFS	3681
				LEWIS	3850
				HUERFANITO BENTONITE	4139
				OTERO	4624
				CLIFF HOUSE	5175
				MENEFEE	5456
				POINT LOOKOUT	5834

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):

Electronic Submission #20205 Verified by the BLM Well Information System.
For ENERGEN RESOURCES CORPORATION, sent to the Rio Puerco
Committed to AFMSS for processing by Angie Medina-Jones on 04/02/2003 ()

Name (please print) VICKI DONAGHEY

Title PRODUCTION ASSISTANT

Signature (Electronic Submission)

Date 04/01/2003

ACCEPTED FOR RECORD

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.

/s/ Brian W. Davis

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