

Form 3160-1
(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. Jicarilla Contract 98	
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Duff Resvr. Other		6. If Indian, Allottee or Tribe Name Jicarilla Apache	
2. Name of Operator Energgen Resources Corporation		7. Unit or CA Agreement Name and No.	
3. Address 2198 Bloomfield Highway, Farmington, NM 87401		8. Lease Name and Well No. Jicarilla 98 3B	
3a. Phone No. (include area code) 505-325-6800		9. API Well No. 30-039-26915	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface 1980' FSL, 2350' FWL At top prod. interval reported below At initial depth		10. Field and Pool, or Exploratory Blanco Mesaverde	
14. Date Spudded 03/31/02		11. Sec., T., R., M., or Block and Survey or Area Sec. 20, T26N, R03W - N.M.P.M	
15. Date F.D. Reached 04/08/02		12. County or Parish Rio Arriba	
16. Date Completed ☐ D & A ☒ Ready to Prod. 04/29/02		13. State NM	
18. Total Depth MD TVD 6456'		17. Elevations (DF, RKB, RT, GL)* 7188'	
19. Plug Back T.D. MD TVD 6438'		20. Depth Bridge Plug Set: MD TVD	

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

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

GR/Temp/HRI:GR/Spec Den/Dual Spaced Neutron/MRIL

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

Hole Size	Size/Grade	WT (#/ft.)	Top (MD)	Bottom (MD)	Stage Cemented Depth	No. of Sls. & Type of Cement	Slurry Vol. (BBF.)	Cement Top*	Amount Pulled
12-1/4"	9-5/8"	32.3#	0	234'		177 cu. ft.		surface	circulated
8-3/4"	7"	20#	0	4174'		1112 cu. ft.		surface	circulated
6-1/4"	4-1/2"	10.5#	4037'	6455'		363 cu. ft.		4037'	circulated

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"	6104'							

25. Production Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Point Lookout	5881'	6147'	5881.83, 85, 87, 89, 91,	0.34	40	
B)			5966, 67, 68, 69, 70, 6003			
C)			06, 08, 10, 20, 22, 24, 26,			
D)			28, 30, 32, 44, 46, 48, 50,			

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

Depth Interval	Amount and Type of Material
5881' - 6147'	81,744 gals. 600 foam slickwater & 200,000# 20/40 sand

ACCEPTED FOR RECORD

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
04/29/02	05/06/02	7dy	→	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	flowing
Choke Size	Thg. Press. Pkg. SI	Csg. Press.	24 Hr	Pitot	950				

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity	Gas Gravity	Production Method
			→	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
Choke Size	Thg. Press. Pkg. SI	Csg. Press.	24 Hr						

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

28b. Production - Interval C

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

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

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 (Lag) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Mens. Depth
Point Lookout	5881'	6147'	(cont. from page 1) 6052, 54, 56, 70, 72, 74, 76, 78, 80, 6124, 26, 34, 45, 47 (total of 40 holes) Size 0.34 1JSPF	Ojo Alamo Kirland Fruitland Pictured Cliffs Lewis Ilwaco Bentonite Cliff House Menofee Point Lookout Mancos Gallup	3260 3430 3700 3843 4014 4304 5417 5634 5942

*Macmenito
~ 5779'*

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) Vicki DonagheyTitle Production Assistant

Signature

Vicki Donaghey

Date 05/06/02

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.