Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. JIC109

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry ☐ Other
b. Type of Completion ☐ New Well ☒ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. JICARILLA APACHE

2. Name of Operator ENERVEST OPERATING, L.L.C. Contact: BRIDGET HELFRICH E-Mail: bhelfrich@enervest.net

8. Lease Name and Well No. JICARILLA B 1

3. Address 1001 FANNIN STREET SUITE 800 HOUSTON, TX 77002

3a. Phone No. (include area code) Ph: 713-495-6537

9. API Well No. 30-039-06402 00C2

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

At surface SWNE 1450FNL 1850FEL

At top prod interval reported below SWNE 1450FNL 1850FEL

At total depth SWNE 1450FNL 1850FEL

10. Field and Pool, or Exploratory BLANCO MESAVERDE

11. Sec., T., R., M., or Block and Survey or Area Sec 22 T26N R5W Mer

12. County or Parish RIO ARRIBA

13. State NM

14. Date Spudded 03/19/1963

15. Date T.D. Reached 04/13/1963

16. Date Completed ☐ D & A ☒ Ready to Prod. 03/13/2011

17. Elevations (DF, KB, RT, GL)* 6605 GL

18. Total Depth: MD 7647 TVD

19. Plug Back T.D.: MD 7613 TVD

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 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	8.625 J-55	24.0	0	519		300		0	
7.875	4.500 J-55	10.5	0	7646	5548'	375		4850'	

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	7272							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLANCO MESAVERDE	4788		5310 TO 5451	0.340	42	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
5310 TO 5451	750 GAL 15% FE/HCL ACID. 62,008 GAL 63.5Q DELTA FOAM FRAC FLUID

RECEIVED
MAR 2011
OIL CONS. DIV. DIST. 3

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
03/13/2011	03/15/2011	24	→						FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI 340	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→	12	620	22		PGW

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	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

ACCEPTED FOR RECORD
MAR 28 2011
FARMINGTON FIELD OFFICE

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

ELECTRONIC SUBMISSION #105161 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

NMOCD

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	Csg. 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	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.)*
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
PICTURED CLIFFS	3089		SANDSTONE		
MESAVERDE	4788		SANDSTONE		
LOW MANCOS	7016	7208	SHALE		
GREENHORN	7208	7265	SHALE		
GRANEROS SHALE	7265	7294	SHALE		
GRANEROS SAND	7294	7385	SANDSTONE		
DAKOTA SAND	7385	7617	SANDSTONE		
MORRISON	7617	7647	SANDSTONE		

32. Additional remarks (include plugging procedure):
CBL to be mailed in.

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 #105161 Verified by the BLM Well Information System.
For ENERVEST OPERATING, L.L.C., sent to the Rio Puerco

Name *(please print)* BRIDGET HELFRICH Title REGULATORY TECH.

Signature (Electronic Submission) Date 03/24/2011

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 fradulent statements or representations as to any matter within its jurisdiction.

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