

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: October 31, 2014

AUG 04 2014

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

Jicarilla Contract 110

6. If Indian, Allottee, or Tribe Name

Jicarilla Apache

7. If Unit or CA/Agreement Name and/or No.

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

OIL CONS. DIV DIST. 3

8. Well Name and No.

Jicarilla A #1M

2. Name of Operator

EnerVest Operating, LLC

AUG 05 2014

9. API Well No.

30-039-31172

3a. Address

1001 Fannin Street, Ste 800 Houston, TX 77002

3b. Phone No. (include area code)

713-659-3500

10. Field and Pool, or Exploratory Area

Blanco Mesaverde/Basin Dakota

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1807' FSL & 2527' FWL (UL K) Sec. 18 T26N R5W

11. County or Parish, State

Rio Arriba, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION

☐ Notice of Intent

☐ Acidize

☐ Deepen

☐ Production (Start/Resume)

☐ Water Shut-Off

☒ Subsequent Report

☐ Alter Casing

☒ Fracture Treat

☐ Reclamation

☐ Well Integrity

☐ Casing Repair

☐ New Construction

☐ Recomplete

☒ Other New Completion

☐ Change Plans

☐ Plug and Abandon

☐ Temporarily Abandon

☐ Final Abandonment Notice

☐ Convert to Injection

☐ Plug Back

☐ Water Disposal

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notice must be filed only after all requirements, including reclamation, have been completed, and the operator has PM

05/20-23/2014: MIRU completion rig. Drilled out DV tools and cleaned out wellbore to PBTD at 7567'. RDMO completion rig. Log Well from PBTD to surface w/GR/RMT&GR/CBL.

07/02/2014: Install frac stack, pressure test 4 1/2" casing to 6200 psi for 30 minutes, good test. Perf Lower Dakota: 7445'-7540', 38-0.40" holes.

07/09/2014 Lower Dakota-Stage 1: acidize w/1000 gal & balls, frac w/187351# 20/40 sand & 184234 gal 20# gel @ 69 bpm. Set CBP @ 7410. Upper Dakota-Stage 2: Perforate Upper Dakota 7313' to 7359', w/35-0.40" holes, acidize w/1000 gal acid & balls, frac w/71593# 20/40 sand & 76003 gal 20# gel @ 50 bpm.

07/10/2014 Lower Mesaverde-Stage 3: Set CBP at 5560', perforate 5318' to 5459' w/45-0.40" holes. Acidize w/1000 gal and balls, frac w/161800 #20/40 sand & 105832 gal 70-60% N2 foam @ 65 bpm. Set CBP @ 5270'. Perforate Middle Mesaverde Stage 4 from 5179' to 5240' w/44-0.40" holes. Acidize w/ 1000 gal and balls, frc w/144640# 20-40 sand & 90224 gal 70-60% N2 foam @ 50 bpm.

07/11/2014: Upper Mesaverde Stage 5: Set CBP @ 5150'. Perforate 4782' to 5141' w/ 70-0.40' holes. Acidize w/ 1000 gal and balls, frac w/ 220153# 20/40 sand & 153455 gal 70-60% N2 foam @ 70 bpm. Open well to flowback tank.

07/14/2014 -08/01/2014: MIRU completion rig. Drilled out all CBPs, clean out wellbore, put well on production through gas recovery unit (first delivery 07/16/2014). Continue clean out to PBTD @ 7574'. Land 2 3/8" 4.7# J-55 production tubing @ 7448'. RDMO completion rig, place well on production.

As completed Wellbore Diagram attached.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)

Michelle Doescher

Title

Regulatory Consultant

Signature

Michelle Doescher

Date

August 4, 2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

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 any department or agency of the United States or any of its officers or employees, or any contractor or subcontractor, or any person acting in concert with any of them, to make any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCDF

AUG 04 2014

FARMINGTON FIELD OFFICE
BY: *TL Salyers*

ENERVEST OPERATING, LLC

Jicarilla A # 1M (As Completed)

TYPE	Dakota/MV	RIG	TBD	DATE	1-Aug-2014
FIELD	Tapicito	COUNTY	Rio Arriba	ELEVATION	6616' GL; 6629' KB
GAS/OIL	Gas/Oil	MUD	LSND	BHT/BHP	160 deg- <1675 psi
LOCATION	SHL; 1807' FSL & 2527' FWL Unit K, Sec 18, T26N, R5W			SHL: Long: -107.400917, Lat: 36.484694, (NAD 27)	
	BHL: Same as SHL			BHL: same as SHL	

COMMENTS: OBJECTIVE FORMATION: Dakota and Mesa Verde

NOTES:

				DEPTH TVD				
Surface Section								
12 1/4" Hole > 8-5/8", 24#, J-55, ST&C				523'		Cement to surface Water based bentonite mud Drill w/PDC and 4 1/2" DP		
Production Section								
Production Tubing: 2 3/8" 4.7# J-55 set @ 7448', SN@ 7447'						Drill w/PDC or Tri-Cone, motor, 4-1/2" DP		
						8.7- 9.0 PPG Bentonite Mud		
Ojo Alamo >				2,448'				
				2532'		Stage Collar Cementing Tool Log Depth		
Kirtland >				2,683'				
Fruitland Coal >				2,913'				
Pictured Cliffs >				3,052'				
Lewis Shale >				3,133'				
Chacra				3,986'				
				4433'		Stage Collar Cementing Tool Log Depth		
Upper MV, 7-11-2014, 4782-5141, acid, balls, frac with 220153# 20/40 sand and 153455 gal 70-60% N2 foam @ 70 bpm.				Marker jt @ 4814'-4828' >>>>		stg1: 30 bbl Seal Bond, 1061 cu ft (506 sx) Prem Lite HS @ 12.5 ppg, yld 2.01. 40 bbl cement returns		
Middle MV, 7-10-2014, 5179-5240, acid, balls, frac with 144640# 20/40 sand and 90224 gal 70-60 5 N2 foam @ 50 bpm.				Cliffhouse >	4,394'			
Lower MV, 7-10-2014, 5318-5459, acid, balls, frac with 161800# 20/40 sand and 105832 gal 70-60% N2 foam @ 65 bpm.				Menefee >	4809'	Stg2: 10 bbl SAPP, 590 cu ft (277 sx) Prem Lite @ 12.1 ppg, 2.13 yld, + 70 cu ft (50 sx) Typelll @ 14.6 ppg, 1.38 yld. 20 bbls cement returns.		
U Dak; 7-9-2014, 7313-7359', Acid, balls, frac with 71593 20/40 sand and 76003 GAL 20# linear gel @ 50 bpm				Point Lookout >	5,300'	Stg3: 10 bbl SAPP, 732 cu ft (344 sx) Prem Lite @ 12.1 ppg, 2.13 yld, + 70 cu ft (50sx) Type III @ 14.6 ppg, 1.38 yld. 20 bbl cement returns.		
L Dak; 7-9-2014, 7445-7540, 38 holes, Acid & balls, frac with 187351# 20/40 sand & 184234 gal 20# linear gel @ 69 bpm.				Mancos > (Regulatory Mancos) >	5,460' 5.800'			
				Gallup >	6484'			
				Greenhorn >	7,225'	Logs: As Directed By Geologist Cased-hole GR / Neutron after casing		
				Grñeros Shale >	7,284'			
				Dakota >	7,310'			
				FC >>>>	7567'			
4-1/2", 11.6#, N-80 LT&C - To Surface >>>>				TD >>>>	7615'	Cement to surface in 3 stages.		
					7615'			
AFE #	CO-1312-897	REGULATORY	M Doescher	(505) 320-5682				
EV #	54012.021	ENGINEER	R Trueheart / L Diede	(713) 495 1561 / (505) 334 8867				
API #	30-039-31172	GEOLOGIST	G Kowalczyk	(713) 495 6590				