

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. JIC110
2. Name of Operator ENERVEST OPERATING LLC Contact: SHELLY DOESCHER E-Mail: sdoescher@enervest.net		6. If Indian, Allottee or Tribe Name JICARILLA APACHE
3a. Address 1001 FANININ STREET SUITE 800 HOUSTON, TX 77002	3b. Phone No. (include area code) Ph: 505-320-5682	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 17 T26N R5W NWSW 1595FSL 900FWL		8. Well Name and No. JICARILLA A 7
		9. API Well No. 30-039-08097-00-S1
		10. Field and Pool or Exploratory Area BASIN
		11. County or Parish, State RIO ARRIBA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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 of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with 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 Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

This well has been plugged and abandoned.
Please see attached procedure and wellbore diagram.

OIL CONS. DIV DIST. 3

JAN 24 2018

14. I hereby certify that the foregoing is true and correct. Electronic Submission #398270 verified by the BLM Well Information System For ENERVEST OPERATING LLC, sent to the Rio Puerco Committed to AFMSS for processing by JACK SAVAGE on 01/17/2018 (18JWS0012SE)	
Name (Printed/Typed) ROY GREENE	Title ENGINEER
Signature (Electronic Submission)	Date 12/17/2017

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JACK SAVAGE Title PETROLEUM ENGINEER	Date 01/17/2018
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 Rio Puerco

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.

(Instructions on page 2)

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

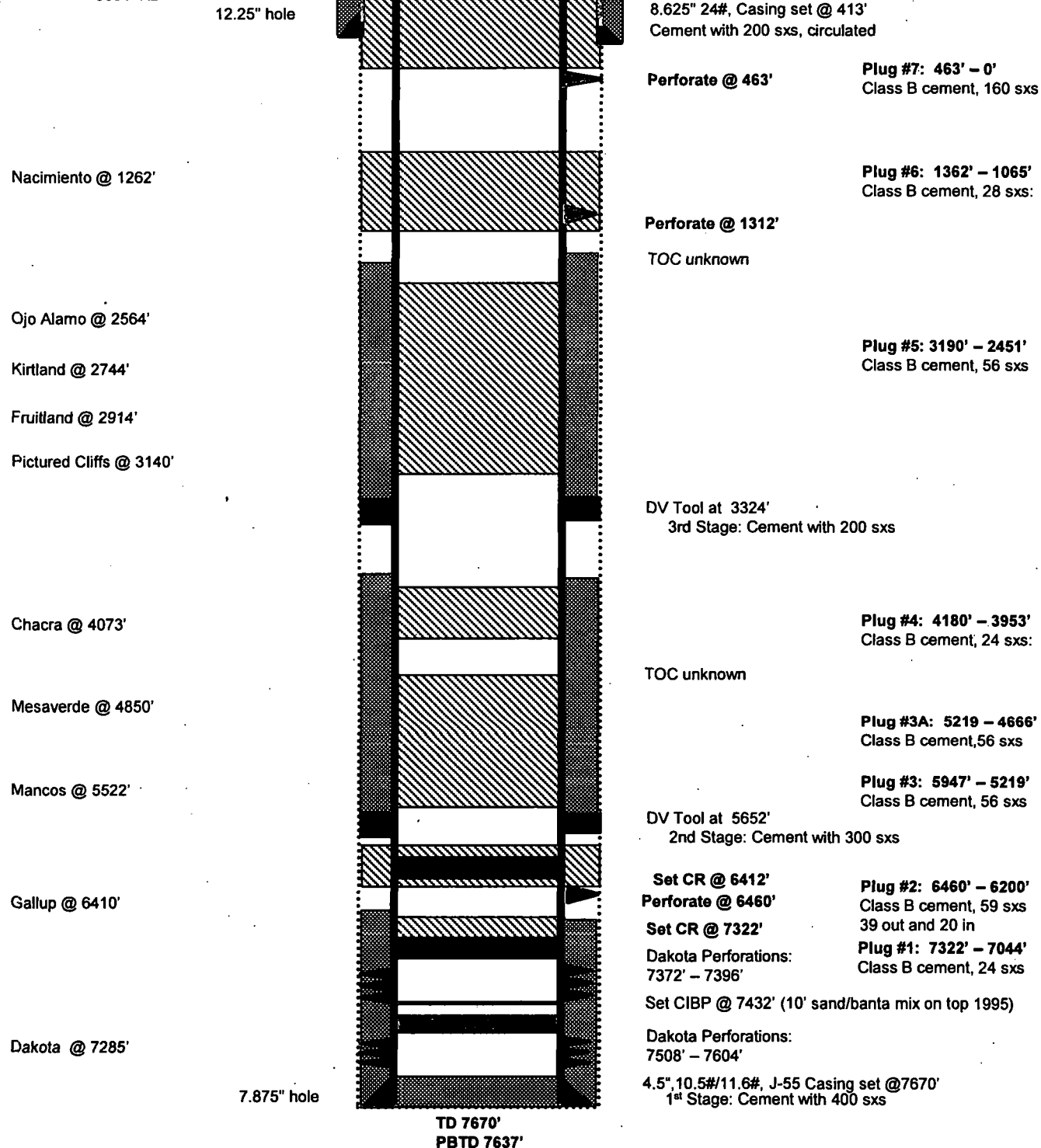
NMOC - File Sunday's in a timely manner.

u

Jicarilla A #7
As Plugged 7/20/17
 Basin Dakota

1595' FSL, 900' FWL, Section 17, T-26-N, R-5-W
Rio Arriba County, NM, API #30-039-08097

Today's Date: 7/20/17
 Spud: 7/29/66
 Completed: 10/6/66
 Elevation: 6681' GI
 6691' KB





EnerVest Operating, LLC
1001 Fannin St. Suite 800
Houston, TX 77002-6707

P.O. Box 1979, Farmington, NM 87499
(505) 325-2627

Name: Jicarilla A #7
API:30-039-08097, 07/27/2017

Well Plugging Report

Cement Summary

Plug 1, Dakota top; inside below & above, with CR at 7322 ft.; 24 sxs of Class B (15.6 ppg, 28.3 cf.) from 7322 ft. to 7005 ft.; WOC over night; tagged with tubing at 7044 ft. Casing did not PT.

Plug 2, Gallup top; 3 SQZ holes at 6460; inside / outside, with CR at 6412 ft.; 59 sxs of Class B (15.5 ppg, 69.6 cf.) from 6460 ft. to 6200 ft.; 39 in annulus, 4 below CR and 16 above; WOC over night; tagged with tubing at 6178 ft. BLM required this to be inside/outside due to CBL TOC.

Plug 3, Mancos and Mesa Verde top; inside only 56 sxs of Class B (15.7 ppg, 66.1 cf.) from 5209 ft. to 5947 ft.; Step one for long plug (1460'); PUH and reverse circulate out 1/2 bbl. cement then step 2.

Plug 3A, Mancos and Mesa Verde top; 56 sxs of Class B (15.7 ppg, 66.1 cf.) from 4481 ft. to 5219 ft.; WOC over night; tagged with wireline at 4666 ft. After tag, casing PT to 800 PSI, held good.

Plug 4, Chacra top; inside only 24sxs of Class B (15.7 ppg, 28.3 cf.) , 2% Calcium chloride; WOC for 3 hours; tag TOC with tubing at 3953 ft.

Plug 5, Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo top; 56 sxs of Class B (15.7 ppg, 66.1 cf.) from 2451 ft. to 3190 ft.; No WOC, casing PT ok.

Plug 6, Nacimiento top; 3 SQZ holes at 1312; covering squeeze holes 28 sxs of Class B (15.7 ppg, 33.0 cf.) from 992 ft. to 1362 ft.; WOC over night; tagged with wireline at 1065 ft. Unable to establish rate into squeeze holes.

Plug 7, Surface Casing Shoe; 4 SQZ holes at 463; 160 sxs of Class B (15.6 ppg, 188.8 cf.) from 0 ft. to 463 ft.; While pumping cement down casing, lost BH circulation; shut in well with 800 PSI. BLM ok to find BH TOC after cut off.

Plug, top; 0 sxs of Class B (0.0 ppg, 0.0 cf.)

Work Detail

PUX	Activity
07/10/2017	
U	Service and start equipment. HSM on JSA. Finish checking equipment on rig. RD rig in A-Plus yard, prepare to road to location. (N/C)
P	Load rig supplies. Road rid and equipment to location.
P	HSM on JSA. Spot in rig and equipment on loc.
P	RU daylight pulling unit, Preform Start Well/LOTO. Check well PSI: Tbg TSTM, Csg 800 PSI, BH 10 PSI. RU relief attempt blow dow well csg start unload fluid. SIW, RU pump and cmt equipment, RU pump to csg, Pump 40 bbl fresh water ND WH, NU BOP preform function test , RU work floor and tbg equipment. TOOHH w/ 48 jnts. (will tally in AM.) SIW. secure loc. SDFD.
P	Travel back to yard.
07/11/2017	
P	Travel to location.
P	HSM on JSA. Service and start equipment.
P	Check well PSI: Tbg 15 PSI, Csg 20 PSI, BH 10 PSI, RU relief blow down well , RU

pump to csg pump 20 bbl fresh water kill csg.
 P Tally 48 jnts from 7/12/17. Continue to TOOH and tally 187 jnts, SN. Total 235 jnts in well, last 3 jnts had slim hole collars. Total tubing tally 7365'. Found above the SN a bumper spring, brush, and piston. PU 4.5" A Plus string mill and TIH with 234 joints to 7332'. TOH with tubing and LD string mill. SI well and secure loc. SDFD. Note: 2.5 hrs. down time due too sand line/ tongs malfunction. Trip in and out hole easy.
 P Travel back to yard.
 07/12/2017
 P Travel to location.
 P HSM on JSA. Service start equipment.
 U Well shut in while making repairs on tong retractor arm. Complete repairs on rig. No charge for 1.5 hours.
 P TIH with Weatherford Direct 4.5" CR to 6000'; work pipe some, unable to get deeper. Work CR and then start to POH. At 6000' CR almost hung up in casing. Call Jeffery Cross - discuss problem. OK to TOOH.
 P TOH easy with 192 joints and recovered only CR setting tool; left CR body in well, but only half set. Call Company representative.
 X W.O.O.; plan is to drill out CR and chase to bottom. Wait for bit and bit sub.
 X PU A Plus string mill and new 3-7/8" tri-cone mill tooth bit. TIH w/ 192 joints tag up at 6000'. Unable to push CR body down. Shut in well and secure location. SDFD.
 P Travel back to yard.
 07/13/2017
 U A Plus monthly safety meeting. No charge.
 X Travel to location.
 X HSM on JSA. Service and start equipment.
 X Check well PSI: Tbg 0 PSI, Csg 10 PSI, BH 5 PSI. RU relief blow down well. Tag up on CR body with bit. Attempt rotate with tongs to make plug drop. RU drilling equipment, power swivel and mud pit. Pump 10 bbl. fresh water down tubing and then let pump trickle down tubing while drilling; no returns to surface.
 X Drill on plug for 20 minutes with as much as 6K on plug; no torque. Had to bounce on plug to catch torque. Drill out plug; then run 5 joint to push it down. RD drilling equipment. TIH with 37 joints and 18' of subs to chase plug to 7362'. LD subs and TOH with 234 joints. LD bit and string mill.
 X RU wireline unit and run 4.5 csg GR to 7387'. PU PlugWell 4.5" WL CIBP and set at 7322'. POH with setting tool. Shut in well and secure location. SDFD.
 P Travel back to yard.
 07/14/2017
 P Travel to location.
 P HSM on JSA, Service and start equipment.
 P Check well PSI: No Tbg, Csg 0 PSI, BH 2 PSI, RU relief open to pit, TIH open ended with 234 joints and tag CIBP at 7322'. LD 1 joint and RIH with 20' subs. RU pump to tubing and establish circulation with 23 bbl. water. Pump total of 145 bbl. to clean well. Attempt to PT casing; established an injection rate 2 bpm at 900 PSI.
 P LD subs and one joint. TOH with 232 joints. Load csg with 9 bbl. water.
 P W.L. ran CBL from 7322' to surface, TOC be determined by BLM and NMOCD.
 P TIH with open ended tubing, 233 joints and 16' pups. Establish circulation with 2 bbl.
 P P #1 (DK) M&P 24 sks Class B (28.32 cf, 15.6 PPG) cement from 7322' to 7005' to isolate the Dakota perforation. TOC at 7005'.
 P LD 16' subs and LD 10 joints. Then TOH with 20 joints. WOC. SIW secure location. SDFD.

P Travel back to yard.

07/17/2017

P Travel to location

P HSM on JSA. Service and start equipment.

P Check well PSI: Tbg 0 PSI, Csg 0 PSI, BH TSTM. RU relief open to pit.

X TIH and tag TOC at 7044'; tag good. TOH with tubing. Load casing with 30 bbl. Attempt PT casing; pressured up to 800 PSI then drop to 400 PSI quickly.

U Wait on W.L.

X PU HSC gun RIH to 6460' to perf 3 HSC holes. Note: *BLM requested perf P #2 due to CBL TOC being at 6500'.

X TIH and set WD 4.5 CR at at 6412'. Pressure test tubing to 1000 PSI, held good. Load casing with 0.5 bbl. Attempt PT casing above the CR, no test. Sting into CR establish injections rate 1.5 bpm. Communicating with hole in casing above CR. So shut in casing valve while pumping plug #2.

X P #2 (Gallup) inside/outside casing with 59 sxs Class B cement (69.6 cf & 15.5 ppg) from 6460' to 6200' TOC; with 39 sxs outside, 4 below, 16 above CR. Final pressure 1000 PSI.

X LD 21 joints, TOH 184 joint LD setting tool. SI well and secure loc. SDFD.

P Travel to yard.

07/18/2017

P Travel to location.

P Hold safety meeting on JSA. Service and start equipment.

P Check well pressures. No tubing in well, casing 0 PSI, BH - to small to measure. Rig up relief line and open well.

X Make up 4' tag sub. TIH and tag TOC at 6178', tag good. Lay down 8 joints, end of tubing at 5947'. Pump down tubing and establish circulation with 10 bbl. Attempt to PT casing; establish injection rate 2 bpm at 900 PSI.

X Plug #3 - (Mancos/M.V) inside casing only with 56 sxs Class B cement (66.1 cf, 15.7 ppg) from 5947' to 5209' TOC. PUH to have end of tubing at 5219'. Rig up pump onto casing and reverse circulate casing clean with 26 bbl. Established circulation with 3 barrels and circulated 1/2 bbl. cement to pit. Plug #3A continued - (Mancos/M.V) inside casing with 56 sxs Class B cement (66.1 cf, 15.7 ppg) from 5219' to 4481' TOC.

X Lay down 25 joints tubing, tubing had fluid. Rig up pump onto casing and reverse circulate with 23 barrels with no solid returns. Trip out of hole with 67 stands and lay down 1 joint and tag sub. Wait on cement required. OK by Bryce Hammond with BLM to tag top of cement with wireline in am. Shut in well, secure location and shut down for day.

P Travel back to yard.

07/19/2017

P Travel to location.

P HSM on JSA. Service and start equipment.

P Check well PSI: No Tbg, CSG 0 PSI, BH TSTM. RU relief open, RU pump to casing and load with 8.5 bbl. Pressure test 4.5" casing to 800 PSI for 30 min. PT good.

P PU HSC gun RIH; tag plug #3 TOC at 4666', good. PUH and perforate 3 HSC holes at 4123'. Attempt to establish IR, pressure up to 1500 PSI; could not break down. Lose 200 PSI per minute. B. Hammound w/ BLM and M. kueling w/ NMOCD procedure change to spot inside plug 50' below perfs and WOC. on 7/19/17 at 9:45 AM.

X TIH to 4180'. RU pump to tubing and establish circulation. Pre Mix 2% CaCl.

P Plug #4 (Chacra) inside casing only with 24 sxs Class B cement (28.3 cf, 15.7 ppg) from 4180' to 3863' TOC; with 2% CaCl.

X LD 10 joints and TOOH with 20 joints. SIW.

X WOC per cmt sample.
 X TIH and tag TOC at 3935'. PUH to 3190'.
 P P #5 (PC,FtC,Kt,Ojo) inside casing with 56 sks Class B cement (66.1 cf, 15.7 ppg) from 3190' to 2451' TOC.
 P TOH with tubing. Perforate 3 HSC holes at 1312'. Attempt establish rate into squeeze holes; pressure up to 1500 PSI; leak off at 200 PSI per minute. B. Hammound w/ BLM OK spot inside plug 50' below holes on 7/19/17 at 4:30 PM. TIH with tubing to 1362'. Load casing and establish circulation.
 P Plug #6 (Nacimiento) inside only with 28 sks Class B cement (33. cf, 15.7 ppg) from 1362' to 992' TOC.
 P TOH with tubing and LD 4' sub and 43 joints. SI well and secure loc. SDFD.
 P Travel back to yard.
 07/20/2017
 P Travel to location.
 P HSM on JSA. Service start equipment.
 P Check well PSI: No Tbg, Csg 0 PSI, BH 0 PSI. RU relief open RU pump to csg load w/ 6 bbl.
 P RIH with WL and tag TOC at 1065', good. PUH to perforate 4 HSC holes at 463'. Pump and establish circulation to surface with 3 bbl. Pump total of 20 bbl to get clean returns out BH valve.
 P P #7 (Surface casing shoe) inside/outside with 160 sks Class B cement (188.8 cf, 15.6 ppg) pump down the casing from 463' to TOC unknown; while pumping cement down the casing, lost circulation to surface after 160 sxs; (calculated BH annulus volume is for 133 sxs to fill; pump pressure up to 800 PSI and holds. Pressured up twice and pressure holds. OK'ed by the BLM to stop pumping cement; will tag annulus TOC after when cut off.
 P RD tubing equipment and work floor. ND BOP and dig out WH. Preform hot work permit. RU welder air saw to cut off WH. Found cement inside 4.5" casing at surface; and did not tag annulus TOC with 100' tally tape. RIH with 1" poly pipe to 100'. Plug #7A with 54 sxs to fill annulus and set DHM. Weld on P&A marker. RD Daylight pulling unit. Clean and secure loc. MOL.
 P JOB COMPLETE LAT. 36° 28'58.80" N LONG 107°23'1572" W

* P - Procedure Planned; U - Unplanned A+ issue; X - COA, Well Conditions

Comments

Date	Job	Comment
07/14/2017	P #1	(DK) M & P 24 sks 28.32 cf 15.6 PPG Class B Cmt. from 7322' to 7005' TOC.
07/17/2017	P #2	Note: Extra from BLM: requested perforate for plug #2 due to TOC from CBL.
07/18/2017	Plug #3	BLM ok to split plug #3 into 2 stages due to length of plug (1466').
07/19/2017	P #4	B. Hammound w/ BLM and M. Kueling w/ NMOCD OK to spot inside plug 50' below perfs and WOC; on 7/19/17 at 9:45 AM.
	P #6	B. Hammound w/ BLM OK spot inside plug 50' below holes on 7/19/17 at 4:30 PM.