

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010**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 reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. JIC108
2. Name of Operator ENER VEST OPERATING LLC Contact: BRIDGET HELFRICH E-Mail: bhelfrich@enervest.net		6. If Indian, Allottee or Tribe Name JICARILLA APACHE
3a. Address 1001 FANNIN STREET SUITE 800 HOUSTON, TX 77002-6708	3b. Phone No. (include area code) Ph: 713-495-6537 Fx: 713-615-1429	7. If Unit or CA/Agreement, Name and/or No.
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 13 T26N R5W SWNW 1850FNL 790FWL 36.48909 N Lat, 107.31648 W Lon		8. Well Name and No. JICARILLA C 8
		9. API Well No. 30-039-08148-00-S2
		10. Field and Pool, or Exploratory BASIN DAKOTA BLANCO MESAVERDE
		11. County or Parish, and State RIO ARRIBA COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<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 shall 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 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

EnerVest Operating, L.L.C. respectfully requests to P&A this well per the attached procedure.

Also attached are the Current and Proposed WBDs.

RCVD AUG 4 '10

OIL CONS. DIV.

DIST. 3

14. I hereby certify that the foregoing is true and correct Electronic Submission #90394 verified by the BLM Well Information System For ENER VEST OPERATING LLC, sent to the Rio Puerco Committed to AFMSS for processing by STEVE MASON on 08/03/2010 (10SXM0250SE)	
Name (Printed/Typed) BRIDGET HELFRICH	Title REGULATORY TECH.
Signature (Electronic Submission)	Date 07/29/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <u>STEPHEN MASON</u>	Title <u>PETROLEUM ENGINEER</u>	Date <u>08/03/2010</u>
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 <u>Rio Puerco</u>

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.

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

NMOC

PLUG AND ABANDONMENT PROCEDURE

July 21, 2010

Jicarilla C #8

Blanco Mesavede

1850' FNL, 790' FWL, Section 13, T26N, R5W, Rio Arriba County, New Mexico

API 30-039-08148 / Long _____ / _____

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. This project requires a NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes____, No X, Unknown____.
Tubing: Yes X, No____, Unknown____, Size 2-3/8", Length 5897'.
Packer: Yes____, No X, Unknown____, Type____.
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.

NOTE: BLM requires a CBL log to be run on all wells where the cement did not circulate to surface or where a T.S. or CBL log was not previously run. This procedure is prepared with the understanding that it may be modified based on the TOC from the CBL.

PU mill and TIH to 6454' and tag cement. Drill out cement. Circulate well clean and continue to TIH to 7836' or as deep as possible. Note: may have 2 sxs of cement above CIBP. Record TOC of above BP. Adjust Plug #1 as appropriate. TOH and LD mill.

4. **Plug #1 (Dakota interval and Gallup top, 7836' – 7439')**: TIH with tubing and tag. Spot 35 sxs Class B cement and spot a balanced plug inside the casing above the CIBP to isolate the Dakota interval and cover through the Gallup top. TOH with tubing.
→ Gallup Plug 7022' - 6922'
5. **Plug #2 (Mesaverde perforations and top, 5415' – 5315')**: RIH with 4.5" cement retainer and set at 5415'. Pressure test tubing to 1000 PSI Pressure test casing to 800 PSI. If casing does not test then spot or tag subsequent plugs as appropriate. Mix 12 sxs Class B cement and spot a balanced plug inside casing to cover the Mesaverde interval. TOH with tubing. PUH.
4730 4630 30
6. **Plug #3 (Chacra top, 4755' - 4655')**: Perforate 3 HSC holes at 4755'. TIH and set a CR at 4705'. Establish a rate into the squeeze holes. Mix 41 sxs Class B cement, squeeze 24 sxs outside the casing and leave 12 sxs inside casing to cover the Chacra top. PUH.

7. **Plug #4 (7.625" casing shoe and Pictured Cliffs top, 4050' – 3763')**: Perforate 3 HSC holes at 4050'. TIH and set a CR at 4000'. Establish a rate into the squeeze holes. Mix 94 sxs Class B cement, squeeze 68 sxs outside the casing and leave 26 sxs inside casing to cover through the PC top. TOH.
8. **Plug #5 (Fruitland, Kirtland and Ojo Alamo tops, 3548' – 3076')**: Perforate 3 HSC holes at 3548'. TIH and set a CR at 3468'. Establish a rate into the squeeze holes. Mix 103 sxs Class B cement, squeeze 68 sxs outside the casing and leave 35 sxs inside casing to cover through the Ojo Alamo top. TOH.
9. **Plug #6 (Nacimiento top, 1849' – 1749')**: Perforate 3 HSC holes at 1849' through 4.5" and 7.625" casings. TIH and set a 4.5" CR at 1799'. Establish a rate into the squeeze holes. Mix 64 sxs Class B cement, squeeze 32 sxs outside the 7.625" casing, 20 sxs outside 4.5" x 7.625" casing annulus and leave 12 sxs inside casing to cover the Nacimiento top. TOH and LD tubing.
10. **Plug #7 (10.75" Surface casing shoe, 483' to Surface)**: Perforate 3 squeeze holes at 483'. Establish circulation out bradenhead with water and circulate the BH annulus clean. Mix approximately 200 sxs Class B cement and pump down the 4.5" casing to circulate good cement out intermediate casing and bradenhead. Shut in well and WOC.
11. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

Jicarilla C #8

Current

Blanco Mesaverde

1850' FNL, 790' FWL, Section 13, T-26-N, R-5-W, Rio Arriba County, NM

Lat: _____ / Lat: _____ API #30-039-08148

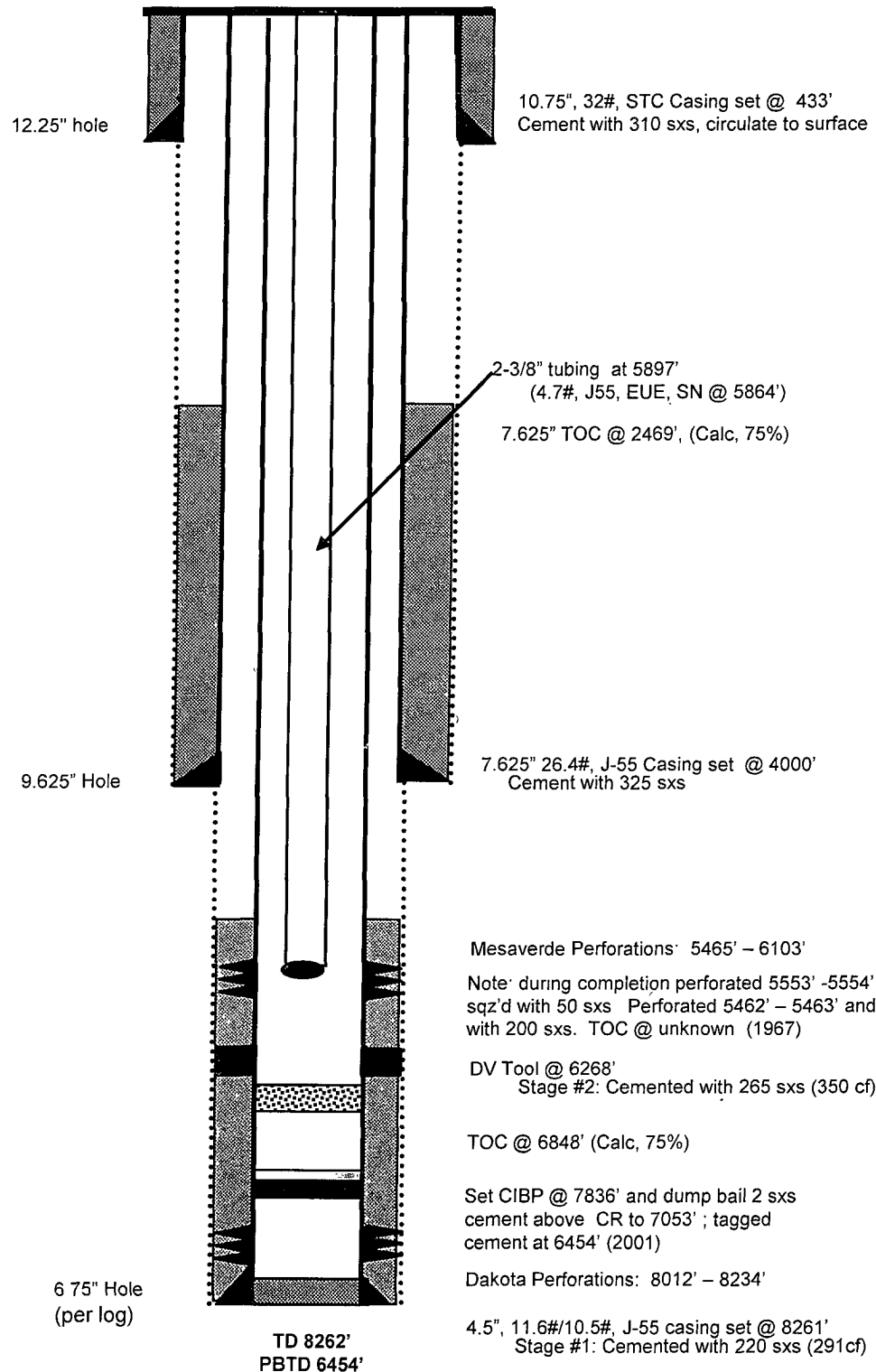
Today's Date: 7/21/10

Spud: 11/22/66

Completion: 3/6/67

Elevation: 7202' GL

7215' KB



Nacimiento @ 1799' *est

Ojo Alamo @ 3126' *est

Kirtland @ 3393' *est

Fruitland @ 3468' *est

Pictured Cliffs @ 3813' *est

Chacra @ 4705' *est

Mesaverde @ 5460'

Gallup @ 7489'

Dakota @ 8010'

Jicarilla C #8

Proposed P&A

Blanco Mesaverde

1850' FNL, 790' FWL, Section 13, T-26-N, R-5-W, Rio Arriba County, NM

Lat: _____ / Lat: _____ API #30-039-08148

Today's Date: 7/21/10

Spud. 11/22/66

Completion. 3/6/67

Elevation: 7202' GL

7215' KB

Nacimiento @ 1799' *est
1902

Ojo Alamo @ 3426' *est
3230

Kirtland @ 3393' *est
3444

Fruitland @ 3468' *est
3617

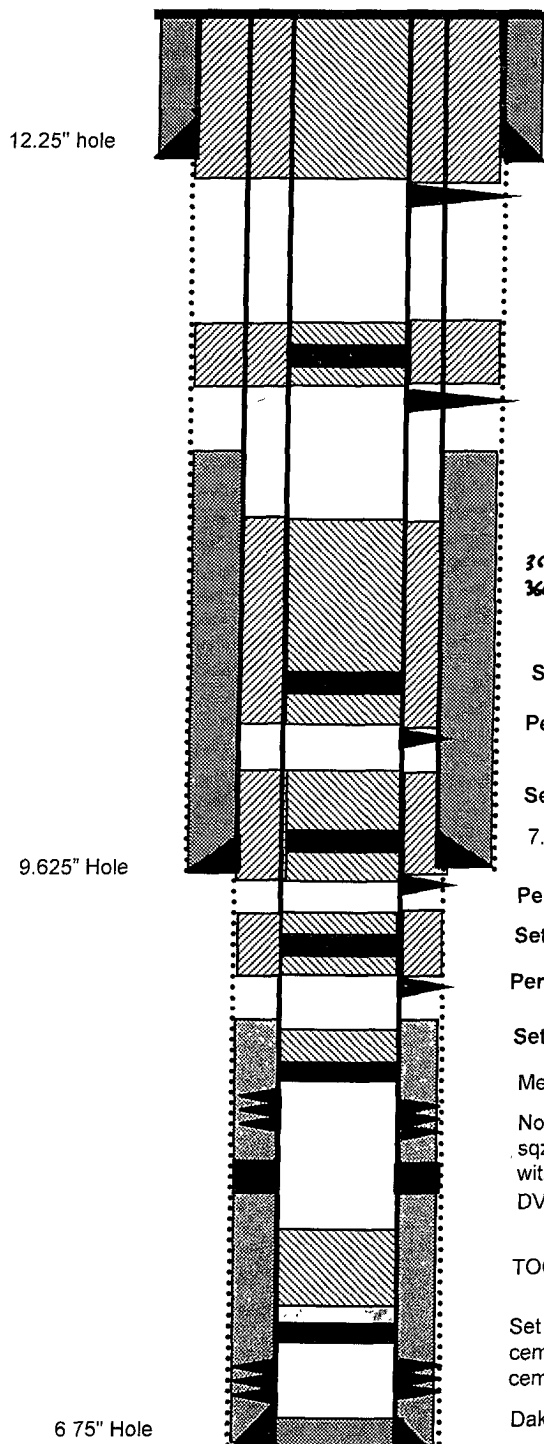
Pictured Cliffs @ 3813' *est
20

Chacra @ 4705' *est
4680

Mesaverde @ 5460'

Gallup @ 7489' ,
6972

Dakota @ 8010'
7910



10.75", 32#, STC Casing set @ 433'
Cement with 310 sxs, circulate to surface

Perforate @ 483'

Plug #7: 483' - 0'
Class B cement, 200 sxs

Set CR @ 1799'

Perforate @ 1849'

Plug #6: 1849' - 1749'
Class B cement, 64 sxs:
12 in 4.5", 20 outside 4.5"
x 7.625" and 32 outside

7.625" TOC @ 2469', (Calc, 75%)

$3667 - 3180 + 50 / 11.67(1.14) = 415 \text{ sxs}$
 $3667 - 3180 / 6.475(1.14) = 44 \text{ sxs}$

3667' 2'80

Plug #5: 3518' - 3076'
Class B cement, 103 sxs:
38 inside and 65 outside

Set CR @ 3468'

Perforate @ 3518'

Set CR @ 4000'

7.625" 26.4#, J-55 Casing set @ 4000'
Cement with 325 sxs

Perforate @ 4050'

Set CR @ 4705

Perforate @ 4755'

Set CR @ 5415'

Plug #4: 4050' - 3763'
Class B cement, 94 sxs:
26 inside and 68 outside

4730 4630
Plug #3: 4755' - 4655'
Class B cement, 41 sxs:
12 inside and 24 outside

Plug #2: 5415' - 5315'
Class B cement, 12 sxs

Mesaverde Perforations: 5465' - 6103'

Note: during completion perforated 5553' - 5554' and
sqz'd with 50 sxs Perforated 5462' - 5463' and sqz'd
with 200 sxs TOC @ unknown (1967)

DV Tool @ 6268'
Stage #2. Cemented with 265 sxs (350 cf)

TOC @ 6848' (Calc, 75%)

7022 6922 1255
Plug #1: 7836' - 7439'
Class B cement, 35 sxs
12

Set CIBP @ 7836' and dump bail 2 sxs
cement above CR to 7053'; tagged
cement at 6454' (2001)

Dakota Perforations: 8012' - 8234'

4.5", 11.6#/10.5#, J-55 casing set @ 8261'
Stage #1: Cemented with 220 sxs (291cf)

TD 8262'
PBTD 6454'

6 75" Hole
(per log)

**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 8 Jicarilla C

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."

2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.

3. The following modifications to your plugging program are to be made:

- a) Place the Dakota plug from 7836' – 7736'.
- b) Place the Gallup plug from 7022' – 6922'.
- c) Place the Chacra plug from 4730' – 4630' inside and outside the 4 ½" casing.
- d) Place the Fruitland/Kirtland/Ojo Alamo plug from 3667' – 3180' inside and outside the 4 ½" casing.
- e) Place the Nacimiento plug from 1952' – 1852' inside the 4 ½" and outside the 4 ½" and 7 5/8" casings.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.