

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

SEP 05 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 155
6. If Indian, Allottee, or Tribe Name
Jicarilla Apache Tribe

SUBMIT IN TRIPLICATE - Other Instructions on page 2.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Enervest Operating, LLC

3a. Address
1001 Fannin ST., Suite 800 Houston, Tx. 77002

3b. Phone No. (include area code)
713-659-3500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1700' FSL, 1850' FWL, (UL K) Sec. 32, T26N, R5W

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

8. Well Name and No.
Jicarilla Contract 155 #12
9. API Well No.
30-039-06231

10. Field and Pool, or Exploratory Area
Basin Dakota

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			
<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 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 reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Enervest Operating, LLC proposes to plug and abandon this well due to low production and casing integrity issues. P&A will commence +/- Sept. 9, 2014 per attached procedure.

RCVD SEP 15 '14

OIL CONS. DIV.

DIST. 3

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

Notify NMOCD 24 hrs prior to beginning operations

SEE ATTACHED FOR
CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Michelle Doescher	Title Regulatory Consultant
Signature <i>Michelle Doescher</i>	Date September 5, 2014

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Troy Salvors	Title Petroleum Eng.	Date 9/8/2014
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 FFO	

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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

NMOCD AV

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: Jicarilla 155 #12

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Leases."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 564-7750.
3. The following modifications to your plugging program are to be made:
 - a) Bring the top of plug #2 to 5857 ft. to cover the Gallup formation top. Adjust cement volume accordingly.
 - b) Set plug #3 (5482-5382) ft. to cover the Mancos formation top.
 - c) Set a plug (3642-3542) ft. to cover the Chacra formation top.
 - d) Set plug #5 (2764-2040) ft. to cover the Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo formation tops. Adjust cement volume accordingly.
 - e) Set a plug (895-795) ft. to cover the Nacimiento formation top.

Operator will run a CBL to verify cement top. Outside plugs may be required, based on CBL result. Submit electronic copy of the log for verification to the following BLM and OCD address: tsalyers@blm.gov, Brandon.Powell@state.nm.us

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.

PLUG AND ABANDONMENT PROCEDURE

September 4, 2014

Jicarilla Contract 155 #12

Basin Dakota

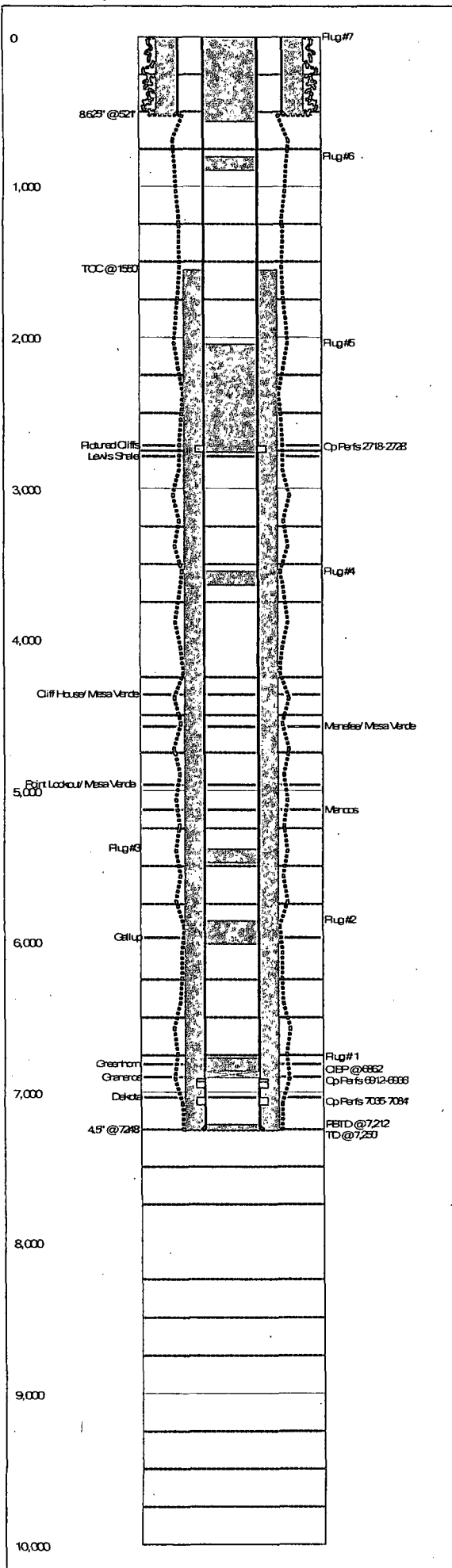
1700' FSL, 1850' FWL, Section 32, T26N, R5W, Rio Arriba County, New Mexico

API 30-039-06231

1. Run CBL on lower portion of hole*
2. **Plug #1 (Dakota perforations and top, 6862' – 6762')**: RIH w/ 4.5" packer and CIBP. Set 4.5" CIBP at 6862'. Pressure test CIBP. Mix 8 sxs (11.04 ft³) of cement and spot above the CIBP to isolate the Dakota interval. PUH.
See COA
3. **Plug #2 (Gallup top, 6020' – 5920')**: Spot 8 sxs (11 ft³) of cement inside casing to cover the Gallup top. PUH.
See COA
4. **Plug #3 (Mancos top, 4960' – 4860')**: Spot 8 sxs (11 ft³) of cement inside casing to cover the Mancos top. PUH.
5. **Plug #4 (Mesaverde top, 4413' – 4313')**: Spot 8 sxs (11 ft³) of cement inside casing to cover the Mesaverde top. POOH.
See COA
6. **Plug #5 (Pictured Cliffs, Fruitland, Kirtland and Ojo Alamo tops, 2668' – 1822')**: RIH w/ 4.5 CIBP and packer. Set CIBP at 2668' and pressure test. Spot 68 sxs (93 ft³) cement inside casing to isolate the Pictured Cliffs interval and cover through the Ojo Alamo top. PUH.
7. **Plug #6 (8.625" Surface casing shoe, 571' to Surface)**: Mix approximately 46 sxs (63 ft³) of cement and spot a balanced plug from 571' to surface, circulate good cement out casing valve. TOH and LD tubing. Shut well in and WOC.
8. 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.

*If CBL indicates no cement behind pipe at formation top, cement plug will be run both inside and outside of casing using 100% excess over casing annular volume or 100 ft of plug outside with excess to give 50 ft above top.

Last Updated: 9/24/2014 12:23 PM



Field Name		Lease Name		Well No.
Tapicito		Jicarilla Contract 155		12
County, State				API No.
Rio Arriba, New Mexico				30039062310000
Version	Version Tag			
2	Proposed P&A			
G.L. (ft)	K.B. (ft)	Sec.	Township/Block	Range/Survey
6,457.0	6,469.0	32	26N	5W
Operator		Well Status	Latitude	Longitude
ENERVEST OPERATING L L C		Active		
Footage Call				
PropNum		Spud Date	Comp. Date	
		1/21/1961	3/13/1961	
Additional Information				
1,700' FSL & 1,850 FWL, Sec 32 T26N R05W (UL K) Blanco P.C. South/Basin Dakota				
Prepared By		Updated By	Last Updated	
Bart Trevino		Bart Trevino	9/24/2014 12:23 PM	

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	12.250	0	521	
	7.875	521	7,250	PBTD @ 7,212' TD @ 7,250'

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	8.625	20.00	X-52	0	521
	Production Casing	4.500	9.50	J-55	0	7,248

Casing Cement Summary

Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	390	8.625	0	521	
	875	4.500	1,550	7,250	TOC per CBL

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
	CIBP	4.500	0.000	6,862	0

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	4.500		0	571	Plug #7
	4.500		795	895	Plug #6
	4.500		2,040	2,764	Plug #5
	4.500		3,542	3,642	Plug #4
	4.500		5,382	5,482	Plug #3
	4.500		5,857	6,020	Plug #2
	4.500		6,762	6,862	Plug #1
	4.500		7,212	7,250	PBTD @ 7,212'

Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
		Open	Pictured Cliffs	2,718	2,728	42
		Open	Graneros	6,912	6,936	84
		Open	Dakota	7,035	7,084	30

Formation Tops Summary

Formation	Top (MD ft)	Comments
Pictured Cliffs	2,712	
Lewis Shale	2,785	
Cliff House/ Mesa Verde	4,363	
Menefee/ Mesa Verde	4,575	
Point Lookout/ Mesa Verde	4,960	
Mancos	5,125	
Gallup	5,970	
Greenhorn	6,809	
Graneros	6,896	
Dakota	7,032	

RCVD SEP 25 '14

OIL CONS. DIV.

DIST 3
Page 1 of 2

Last Updated: 9/24/2014 12:23 PM

Field Name	Lease Name	Well No.	County, State	API No.
Tapicito	Jicarilla Contract 155	12	Rio Arriba, New Mexico	30039062310000
Version	Version Tag	Spud Date	Comp. Date	G.L. (ft) K.B. (ft)
2	Proposed P&A	1/21/1961	3/13/1961	6,457.0 6,469.0
Sec.	Township/Block	Range/Survey	Footage Call	
32	26N	5W		
Operator	Well Status	Latitude	Longitude	PropNum
ENERVEST OPERATING L L C	Active			
Last Updated	Prepared By	Updated By		
09/24/2014 12:23 PM	Bart Trevino	Bart Trevino		
Additional Information				
1,700' FSL & 1,850 FWL, Sec 32 T26N R05W (UL K) Blanco P.C. South/Basin Dakota				

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	12.250	0	521	
	7.875	521	7,250	PBTD @ 7,212' TD @ 7,250'

Tubular Summary

Date	Description	No. Jts	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
	Surface Casing		8.625	20.00	X-52	0	521	
	Production Casing		4.500	9.50	J-55	0	7,248	

Casing Cement Summary

Date	No. Sx	Yield (cuft/sk)	Vol. (cuft)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	390	.00	0	8.625	0	521		
	875	.00	0	4.500	1,550	7,250		TOC per CBL

Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	Cast Iron Bridge Plug	4.500	0.000	6,862	0		

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		4.500	0	571	Plug #7
		4.500	795	895	Plug #6
		4.500	2,040	2,764	Plug #5
		4.500	3,542	3,642	Plug #4
		4.500	5,382	5,482	Plug #3
		4.500	5,857	6,020	Plug #2
		4.500	6,762	6,862	Plug #1
		4.500	7,212	7,250	PBTD @ 7,212'

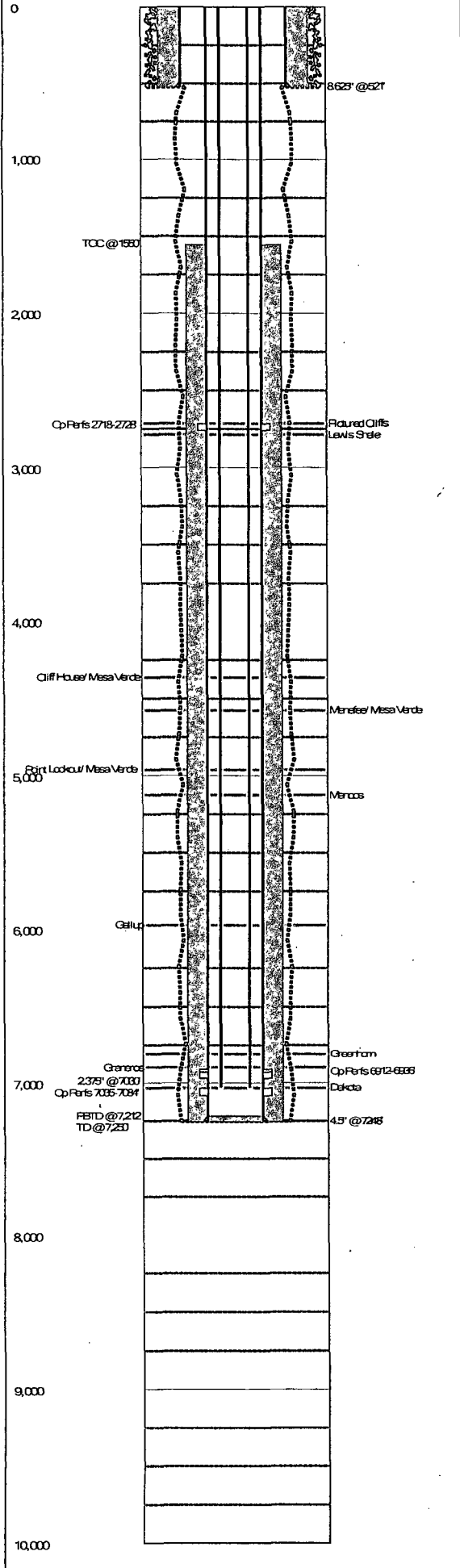
Perforation Summary

C	Date	Perf. Status	Formation	Comments
		Open	Pictured Cliffs	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots
	2,718	2,728	3	42
				20,000 gal water w/0.8% KCl & 7# WG-6/1,000 gal, 15,000# 20/40 sand & 5,000# 10/20 sand.
C	Date	Perf. Status	Formation	Comments
		Open	Graneros	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots
	6,912	6,922	6	60
	6,930	6,936	4	24
				30,000 gal water w/1,000 gal Dowell J-98 additive w/1% CaCl, 23,000# sand, & 1,000 aluminum pellets. attempted to frac; unable to pump into interval
C	Date	Perf. Status	Formation	Comments
		Open	Dakota	
	Top (MD ft)	Bottom (MD ft)	SPF	Shots
	7,035	7,084	2	30
				25,600 gal water, 20,000# 20/40 sand & 5,000# 10/20 sand

Formation Top Summary

Formation Name	Top (MD ft)	Comments
Pictured Cliffs	2,712	
Lewis Shale	2,785	
Cliff House/ Mesa Verde	4,363	
Menefee/ Mesa Verde	4,575	
Point Lookout/ Mesa Verde	4,960	
Mancos	5,125	
Gallup	5,970	
Greenhorn	6,809	
Graneros	6,896	
Dakota	7,032	

Last Updated: 9/24/2014 12:25 PM



Field Name		Lease Name		Well No.
Tapicito		Jicarilla Contract 155		12
County, State				API No.
Rio Arriba, New Mexico				30039062310000
Version	Version Tag			
	1 Current			
G.L. (ft)	K.B. (ft)	Sec.	Township/Block	Range/Survey
6,457.0	6,469.0	32	26N	5W
Operator		Well Status	Latitude	Longitude
ENERVEST OPERATING L		Active		
L C				
Footage Call				
PropNum		Spud Date	Comp. Date	
		1/21/1961	3/13/1961	
Additional Information				
1,700' FSL & 1,850 FWL, Sec 32 T26N R05W (UL K)				
Blanco P.C. South/Basin Dakota				
Prepared By		Updated By	Last Updated	
Bart Trevino		Bart Trevino	9/24/2014 12:25 PM	

Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	12.250	0	521	
	7.875	521	7,250	PBTD @ 7,212' TD @ 7,250'

Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	8.625	20.00	X-52	0	521
	Production Casing	4.500	9.50	J-55	0	7,248
	Tubing	2.375	4.70	J-55	0	7,030

Casing Cement Summary

Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	390	8.625	0	521	
	875	4.500	1,550	7,250	TOC per CBL

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		4.500	7,212	7,250	PBTD @ 7,212'

Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
		Open	Pictured Cliffs	2,718	2,728	42
		Open	Graneros	6,912	6,936	84
		Open	Dakota	7,035	7,084	30

Formation Tops Summary

Formation	Top (MD ft)	Comments
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Gallup	5,970	
Greenhorn	6,809	
Graneros	6,896	
Dakota	7,032	

RCVD SEP 25 '14

OIL CONS. DIV.

DIST. 3

Last Updated: 9/24/2014 12:25 PM

Field Name		Lease Name		Well No.	County, State		API No.	
Tapicito		Jicarilla Contract 155		12	Rio Arriba, New Mexico		30039062310000	
Version	Version Tag				Spud Date	Comp. Date	G.L. (ft)	K.B. (ft)
	1 Current				1/21/1961	3/13/1961	6,457.0	6,469.0
Sec.	Township/Block		Range/Survey		Footage Call			
32	26N		5W					
Operator			Well Status		Latitude		Longitude	PropNum
ENERVEST OPERATING L L C			Active					
Last Updated		Prepared By			Updated By			
09/24/2014 12:25 PM		Bart Trevino			Bart Trevino			
Additional Information								
1,700' FSL & 1,850 FWL, Sec 32 T26N R05W (UL K) Blanco P.C. South/Basin Dakota								

Hole Summary

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	7.875	521	7,250	PBTD @ 7,212' TD @ 7,250'

Tubular Summary

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	Production Casing		4.500	9.50	J-55	0	7,248	
	Tubing		2.375	4.70	J-55	0	7,030	

Casing Cement Summary

Date	No. Sx	Yield (cuft/sk)	Vol. (cuft)	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
	390	.00	0	8.625	0	521		
	875	.00	0	4.500	1,550	7,250		TOC per CBL

Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		4.500	7,212	7,250	PBTD @ 7,212'

Perforation Summary

C	Date	Perf. Status	Formation		Comments	
		Open	Pictured Cliffs			
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	2,718	2,728	3	42		20,000 gal water w/0.8% KCl & 7# WG-6/1,000 gal, 15,000# 20/40 sand & 5,000# 10/20 sand.
C	Date	Perf. Status	Formation		Comments	
		Open	Graneros			
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	6,912	6,922	6	60		30,000 gal water w/1,000 gal Dowell J-98 additive w/1% CaCl ₂ , 23,000# sand, & 1,000 aluminum pellets.
	6,930	6,936	4	24		attempted to frac; unable to pump into interval
C	Date	Perf. Status	Formation		Comments	
		Open	Dakota			
	Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
	7,035	7,084	2	30		25,600 gal water, 20,000# 20/40 sand & 5,000# 10/20 sand

Formation Top Summary

Formation Name	Top (MD ft)	Comments
Pictured Cliffs	2,712	
Lewis Shale	2,785	
Cliff House/ Mesa Verde	4,363	
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Mancos	5,125	
Gallup	5,970	
Greenhorn	6,809	
Graneros	6,896	
Dakota	7,032	