State of New Mexico Energy, Minerals and Natural Resources Department

Susana Martinez

Governor

David Martin

Cabinet Secretary-Designate

Brett F. Woods, Ph.D. Deputy Cabinet Secretary Jami Bailey, Division Director Oil Conservation Division



New Mexico Oil Conservation Division approval and conditions

	re in ado	litio	n to the actions a wing 3160-4 or 3	ppr	ov	ed by	BLM o				-		
Operator Sigr	nature Date	: Ma	arch 28 th , 2014										
	P&A [Drilling/Casing hange		an	ge 🛭	Rec	on	np	let	e/[ЭН	IC
Well informa	tion:					~~~			800000000000000000000000000000000000000	e.c			
			frmWellFilt	erSı	ıb	r	1	11					
API WELL#	Well Name	Well #	Operator Name	Туре	Stat	County	Surf_Owner	UL	Sec	Twp	N/S	Rng	W/E
30-039-31171-00- 00	JICARILLA A	007F	ENERVEST OPERATING L.L.C.	G	N	Rio Arriba	J ,	С	17	26	Z	5	W
Conditions of Notify NMOO Hold C104 fo	CD 24hrs p		to beginning operations	S									

NMOCD Approved by Signature

Date

RECEIVED

DEPARTMENT OF THE INTERIOR Common				MAR 31	2014				
BUREAU OF LAND MANAGEMS (Spring of Land Methodology) BUREAU OF LAND MANAGEMS (Spring of Land Methodology) SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drift or to re-onter an abandoned well. Use Form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other Instructions on reverse side. SUBMIT IN TRIPLICATE - Other Instructions on reverse side. SUBMIT IN TRIPLICATE - Other Instructions on reverse side. 1. Type of Well	Form 3160- 5	UNITEI	D STATES			FORM APPROVED			
BUREAU OF LAND MANAGEMÉNTES ON MELLS Do not use this form for proposals to drill or for on-enter an abandoned well. Use Form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other Instructions on reverse side. SUBMIT IN TRIPLICATE - Other Instructions on reverse side. 1. Type of Well 1. Type of Well 1. One will Consult State Strip St	(April 2004)	DEPARTMENT (OF THE INTERIC	RFarmington Fiel	d Office	OMB No. 1004- 0137			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned wall. Use Form 3160-3 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other Instructions on reverse side. SUBMIT IN TRIPLICATE - Other Instructions on reverse side. 1. Type of Well Corn. 2. Name of Countor 3. Address 1001 Fannin St, Suite 800 4. Location of Well Privage, No. 2. N. A. W. Owney, Sucception 11, 12659-3500; 713-970-1847 4. Location of Well Privage, No. 2. N. A. W. Owney, Sucception 12, 12659-3500; 713-970-1847 12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of lietest Academ Despon Academ Report Report Conting Plans Plans Plans Plans and Exclamation Well for Supples Operation (Stendy Reume) Subsequent Report Congress of Supples Operation (Stendy was all permient death including clinicate stating due of any proposable Control placetion (In the operation result is a multiple congression of recomplete for formation of the plans of the substration of the control of the proposal is to deepen indicated using the wint in Europe Substration of the control of the proposal is to deepen indicated using the wint in Europe Substration of the complete or complete for the operation result is a multiple complete or recomplete in a row succeed, a from 1464-4 shall be filed one determined that the own of the popular in a multiple complete or recomplete in a row succeed, a from 1464-4 shall be filed one determined that the sea washed for the filed one determined that the own with the Only St filed one determined that the own with the Only St filed one determined that the own with the Only St filed one determined that the own with the Only St filed one determined that the own with the Only St filed one determined that the Only St filed one of the Only St						Expires: March 31, 2007			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 316-03 (APD) for such proposals. SUBMIT IN TRIPLICATE - Other Instructions on reverse side. 1. "Type of Well		DONE TO OF EAT	·	. • • • • • • • • • • • • • • • • • • •					
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.	C1	INDDV NOTICES AN	IN DEDADTS AN	NWELLS					
SUBMIT IN TRIPLICATE - Other Instructions on reverse side. 7. If Unit or CA. Agreement Name water No. 2 2 1. Type of Well Outset 2. SUBMIT IN TRIPLICATE - Other Instructions on reverse side. 8. Well Name and No. DIST. 3					6 If Indian A				
SUBMIT IN TRIPLICATE - Other Instructions on reverse side. 1, Type of Well		• •	•		!	·			
SUBMIT IN TRIPLICATE - Other Instructions on reverse side. RCUB GIR 2.71 GIR. CBNS. DIL	avail	doned Well. Ose Form 51	100-3 (AFD) for Suci	n proposais.					
Summer of Operator Summer		RIPLICATE - Other Inst	tructions on revers	se side.	7. If Onit or C.	ROVD OPR 2'1 OIL CONS. DIV			
EnerVest Operating, LLC 3a. Address 100 Fannin St, Suite 800 Houston, TX 77002-6707 4. Location of Well (Faunage, Sec. 7, 8, M. or Survey Descriptions) 12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION 12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION Notice of Intent Acidize Aci		Other			8. Well Name	and No.			
EnerVest Operating, LLC 3a. Address 1001 Fannin St, Suite 800 Houston, TX 77002-6707 4. Location of Well //formings, Sec., T., R. M. or Survey Description 4. Location of Well //formings, Sec., T., R. M. or Survey Description 12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION 12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION 13. Notice of Intent 14. Acidize 15. Casing Repair 16. Casing Repair 17. Describe Proposed or Completed Operation (clearly state all permeter details including estimated starting date of any proposed work and approximate duration theesof. 17. Describe Proposed or Completed Operations (clearly state all permeter details including estimated starting date of any proposed work and approximate duration theesof. 18. Attach the folion under which the work will performed or provide the Boad No. on file with the Blad Mean duration of the unobed pentition. If the operation relation is an adulty completion of the unobed pentitions of the unobed pentitions (The operation relation and subject completion or recomplete fall and be filed within 30 days following complete of from Abandomera Notice shall be filed only after all repetitions. In the Blad Mean distribution of the unobed pentitions (The operation relation and subject completion or recompletion in a pentition). EnerVest Operating, LLC respectfully request permission to downhole commingled completion in the Blanco-Mesaverde and Basin-Dakota Gas Pools. Production allocation will be as stated on the attached Form C-103. Interest ownership between the Mesaverde and Dakota is common. 14. I hereby certify that the foregoing is true and correct. 14. I hereby certify that the foregoing is true and correct. 15. Particular Medical Properties of the pentition of the conduction will be as stated on the attached Form C-103. Interest ownership between the Mesaverde and Dakota is common. 16. This space For FEDERAL OR STATE OFFICE USE	2. Name of Operator		w		ا ا	icarilla "A" No. 7 F			
3a. Address 1001 Fannin St, Suite 800 5b. Phone No. Conclude was condex 30-039-31171	EnerVest Operating.	LLC	•						
Describe of Well (Fouringe, Sec. T. R. M. or Survey) Description)			3b. Phone No.	(include area code)					
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent	Hous	ston, TX 77002-6707	713-659-3	500; 713-970-1847	10. Field and F	Pool, or Exploratory Area			
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Aciduze Deepen Altering Casing Fracture Treal Reclamation Well Integrity Subsequent Report Casing Repair New Construction Plug back Water Disposal Final Abandoument Notice Convert to Injection Plug back Water Disposal Type of Action Water Shut-off Water Shut-off Water Disposal Type of Action Water Shut-off Water Shut-off Water Shut-off Water Shut-off Water Shut-off Water Shut-off Water Disposal Type of Action Water Shut-off Water Shut-off Water Disposal Type of Action Water Shut-off Water Shut-off Water Shut-off Water Disposal Water Shut-off Water Shut-off Water Disposal Water Shut-off Water Shut-off Water Disposal Water Shut-off Water Disposal Water	·				Blanco-M	lesaverde & Basin-Dakota			
TYPE OF SUBMISSION TYPE OF SUBMISSION Acidize	660' FNL	, & 2053' FWL, Sec. 1'	7, T26N, R5W, U	nit Letter C	11. County or	Parish, State			
TYPE OF SUBMISSION Notice of Intent						Rio Arriba			
Notice of Intent		PRIATE BOX(S) TO IND	DICATE NATURE C		, OR OTHER	DATA			
Altering Casing Fracture Treat Reclamation Well Integrity Subsequent Report Casing Repair New Construction Recomplete Nother DHC	TYPE OF SUBMISSION			TYPE OF ACTION					
Subsequent Report Casing Repair New Construction Recomplete Other DHC	X Notice of Intent	Acidize	Deepen	Production (S	Start/ Resume)	Water Shut-off			
Change Plans		Altering Casing	Fracture Treat	Reclamation		Well Integrity			
Change Plans	Subsequent Report	Casing Repair	New Construction	on Recomplete		X Other DHC			
Final Abandonment Notice									
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 recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLMV BLA. Required subsequent reports shall be filled within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filled once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final imspection.) EnerVest Operating, LLC respectfully request permission to downhole commingle this well. This is a new drill well that is awaiting completion operations. The well will be a downhole commingled completion in the Blanco-Mesaverde and Basin-Dakota Gas Pools. Production allocation will be as stated on the attached Form C-103. Interest ownership between the Mesaverde and Dakota is common. **DHC** 3969 A2** Title Sr. Regulatory Advisor Signature March 28, 2014 THIS SPACE FOR FEDERAL OR STATE OFFICE USE		Change Plans	Plug and abando	n Temporarily A	Abandon				
If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and masured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM Bland B	Final Abandonment Notice	Convert to Injection	Plug back	Water Dispos	al				
Signature Signature State State	If the proposal is to deepen direction Attach the Bond under which the was following completion of the involve testing has been completed. Final A determined that the site is ready for EnerVest Operating, Lawell that is awaiting completed and Basin-I Production allocation was supported by the production allocation was suppor	nally or recomplete horizontally, gork will performed or provide the doperations. If the operation resubandonment Notice shall be filed final inspection.) LC respectfully requempletion operations. Dakota Gas Pools. will be as stated on the	give subsurface locations a Bond No. on file with the ults in a multiple completion only after all requirements est permission to d The well will be a	and measured and true vertica BLM/ BIA. Required subseq in or recompletion in a new in it, including reclamantion, hav lownhole comming a downhole commin	al depths or pertine quent reports shall sterval, a Form 314 e been completed. le this well. ngled compl	ent markers and sands. be filed within 30 days 60-4 shall be filed once and the operator has This is a new drill etion in the Blanco- ween the Mesaverde			
Signature Date March 28, 2014 THIS SPACE FOR FEDERAL OR STATE OFFICE USE	Name (Printed/ Typed)		Title	Sr	. Regulatory	y Advisor			
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	(An in)	100 LO	Date						
/ / / / ¹ / ₂ / ¹ / ₂	Signature XXXIII					4014			
	- (b, 9/ >	THIS SPACE I							

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 Office which would entitle the applicant to conduct operations thereon.

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

(Instructions on page 2)

GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this SP

form and the number of copies to be submitted, particularly with regard to local area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from the local Federal office.

SPECIFIC INSTRUCTIONS

Item 4 - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

Item 13. - Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or

present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well and date well site conditioned for final inspection looking to approval of the abandonment.

NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as requited by 43 CFR 3162.4-1(c); and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3 - 2, 3162.3 - 3, 3162.3 - 4.

The Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.) requires us to inform you that:

This information is being collected to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

BLM would like you to know that you do not have to respond to this or any other Federal agency -sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 25 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau information Collection Clearance Officer, (WO-630), Mail Stop 401 LS, 1849 C St., N.W., Washington D.C. 20240

Office Office	State of New Mexico	Form C-103
District I – (575) 393-6161	Energy, Minerals and Natural Resource	Revised July 18, 2013
1625 N. French Dr., Hobbs, NM 88240		WELL API NO.
<u>District II</u> (575) 748-1283 811 S. First St., Artesia, NM 88210	OIL CONSERVATION DIVISION	30-039-31171
<u>District III</u> - (505) 334-6178	1220 South St. Francis Dr.	5. Indicate Type of Lease
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe, NM 87505	STATE FEE 6. State Oil & Gas Lease No.
<u>District IV</u> – (505) 476-3460 1220 S. St. Francis Dr., Santa Fe, NM	Sullu 1 0, 1 11 1 0 1 5 0 5	o. State Off & Gas Lease No.
87505		
	ES AND REPORTS ON WELLS	7. Lease Name or Unit Agreement Name
	ALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A ATION FOR PERMIT" (FORM C-101) FOR SUCH	
PROPOSALS.)	THOW FOR FEMALE (FORM & 107) FOR SOCI	Jicarilla "A"
1. Type of Well: Oil Well 🔲 C	Gas Well 🛛 Other	8. Well Number 7F
2. Name of Operator		9. OGRID Number
Enervest Operating, L.L.C.		143199
3. Address of Operator		10. Pool name or Wildcat
1001 Fannin Street, Suite 800 Hous	ton, Texas 77002	Blanco-Mesaverde & Basin-Dakota
4. Well Location		
Unit Letter C: 660	feet from theNorth line and2053	feet from theWestline
Section 17	Township 26 North Range	5 West NMPM Rio Arriba County
	11. Elevation (Show whether DR, RKB, RT, GF	R, etc.)
	6,640' GR	
12. Check Ar	opropriate Box to Indicate Nature of No	tice, Report or Other Data
•		•
NOTICE OF INT		SUBSEQUENT REPORT OF:
	PLUG AND ABANDON REMEDIAL	•
TEMPORARILY ABANDON	CHANGE PLANS	E DRILLING OPNS. P AND A
PULL OR ALTER CASING	MULTIPLE COMPL CASING/CE	MENT JOB
DOWNHOLE COMMINGLE	·	
CLOSED-LOOP SYSTEM .	·	
OTHER:	OTHER:	
		ils, and give pertinent dates, including estimated date
	c). SEE RULE 19.15.7.14 NMAC. For Multip	le Completions: Attach wellbore diagram of
proposed completion or recor	npletion.	ROUD APR 2'14
Energest Operating I I C ("Energest	") is proposing to drill the Jicarilla "A" Well No	
	-Mesaverde and Basin-Dakota Gas Pools.	o. If and complete the wen as a downhole OIL CONS. DIV.
commission completion in the Dianeo	-Mesaverde and Dasin Dakota Gas 1 0015.	•
Order No. Authorizing Pre-Approve	ed Downhole Commingling: R-11363 dated 4	/26/2000 DIST. 3
	Blanco-Mesaverde (Prorated Gas-72319) and I	
	asin-Dakota: 7,329'-7,619'; Blanco-Mesaverd	
		tting the Jicarilla "A" No. 7F (See Attached Table)
Enervest proposes to allocate producti		•
	il: 56% Gas: 54% Water: 62%	
Basin-Dakota Gas Pool: Oi	il: 44% Gas: 46% Water: 38%	
Interest Ownership between the Massa	yarda and Dakata is samman. The well is dedic	poted to the W/2 of Section 17 in both people. No
notification required.	rerde and Dakota is common. The went is dedic	cated to the W/2 of Section 17 in both pools. No
	uids is such that commingling will not reduce the	he total remaining production's value
	provided to the United States Bureau of Land M	
7, 20p, time	.]	
Spud Date:	Rig Release Date:	
I hereby certify that the informational	pove is true and complete to the best of my know	wledge and belief.
	•	-
SIGNATURE Laurd Cata	TITLE Agent-Enervest Ope	erating, L.L.C. DATE 3/26/14
		• •
Type or print nameDavid Catanach	E-mail address: _drcatanach@	<u>Onetscape.com</u> PHONE: <u>505- 690-9453</u>
For State Use Only		•
A DDD OVED DV.	TITLE	DATE
APPROVED BY:	TITLE	DATE
Conditions of Approval (if any):	i.	

DHC Application Jicarilla A No. 7F Offset Well Production

Offset Well Name & Number	Well Location	2013 Avg. Mesaverde Oil Production	2013 Avg. Mesaverde Gas Production	2013 Avg. Mesaverde H2O Prod.	2013 Avg. Dakota Oil Production	2013 Avg. Dakota Gas Production	2013 Avg. Dakota H2O Prod.
				:			
Jicarilla A No. 7E	D-17-26N-5W	0.142 BOPD	24 MCFGD	1.5 BWPD	0.17 BOPD	29 MCFGD	1.8 BWPD
Jicarilla A No. 8N	J-17-26N-5W	2.4 BOPD	126 MCFGD	4.6 BWPD	1.3 BOPD	68 MCFGD	2.5 BWPD
Jicarilla A No. 8	H-17-26N-5W	.204 BOPD	26 MCFGD	1.3 BWPD	.109 BOPD	14 MCFGD	0.7 BWPD
Jicarilla A No. 8M	B-17-26N-5W	1.5 BOPD	112 MCFGD	0.5 BWPD	1.9 BOPD	142 MCFGD	.275 BWPD
Jicarilla A No. 3E	F-8-26N-5W	0.08 BOPD	32 MCFGD	0 BWPD	0.15 BOPD	21 MCFGD	0 BWPD
Jicarilla A No. 3R	G-8-26N-5W	0.14 BOPD	42 MCFGD	0 BWPD	0.3 BOPD	42 MCFGD	0.0 BWPD
Jicarilla Apache Tribal 155 No. 5	K-9-26N-5W	N/A	N/A	N/A	0.105 BOPD	40 MCFGD	0.32 BWPD
Well Average		0.744 BOPD	60 MCFGD	1.3 BWPD	0.576 BOPD	51 MCFGD	0.8 BWPD
Recommended Allocation	•	56%	54%	62%	44%	46%	38%