- W. W. a. b. Form 3160-5 (September 2001)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

NMOCD ARTESIAS Lease Serial No

OMB NO 1004-0135 Expires January 31, 2004

SUNDRY NOTICES	AND REPORTS ON	WELLS-	·	LC-058480		
Do not use this form for abandoned well. Use Form			nter an 6. If Indian, Allottee or Tribe Name			
SUBMIT IN TRIPLICATE -	Other instructions on	reverse side		7. If Unit or CA/Agreement, Name and/or N		
1. T. C.W. H				NW 7101	60X	
1 Type of Well Sol Well Gas Well Other				8 Well Name and No.		
2 Name of Operator				WILHU G4S U		
ENERVEST OPERATING, L.L.C.	ATTN: BRI	OCET HELFRICH		TRACT 10 B		
3a Address		Phone No. (include are	ea code)	9 API Well No 30-015-108		
1001 FANNIN ST., STE. 800, HOUSTON,	TEXAS 77002	(713) 659-3500			Pool, or Exploratory Area	
4 Location of Well (Footage, Sec., T, R., M, or Survey)	Description)				QUEEN-GB-SA	
UNIT LETTER H						
1,980' FNL & 990' FEL				11 County or	Parish, State	
SEC. 03, T-18M, R-29E				EDDY COUNT		
12. S CHECK APPROPRIATE	BOX(ES) TO INDICA	ATE NATURE OF N	NOTICE, REP	ORT, OR OTI	HER DATA	
TYPE OF SUBMISSION		TYF	PE OF ACTION			
X Notice of Intent	Acidize	Deepen	Production	n (Start/Resume)	Water Shut-Off	
<u> </u>	Alter Casing	Fracture Treat	Reclamati	,	Well Integrity	
Subsequent Report	1 		Ħ			
_	Casing Repair	New Construction	Recomple		Other	
Final Abandonment Notice	Change Plans	X Plug and Abandon	= '	ily Abandon		
	Convert to Injection	Plug Back	Water Dis	posal		
PROPOSED PXA PROCEDURE: 1) MIX X PUMP A 25 SX. CMT. PLUG 2) MIX X PUMP A 25 SX. CMT. PLUG 3) PERF. X ATTEMPT TO SQZ. A 40 S 4) PERF. X ATTEMPT TO SQZ. A 65 S	@ 2,250'-2,000'(T/ SX. CMT. PLUG @ 950	QN.). '-850'(B/SALT);	WOC X TAG	TOP OF OMT.	PLUG.	
5) PERF. X CIRC. TO SURFACE A 25			0 0, 0 000.	, ,		
6) DIG OUT X OUT OFF WELLHEAD 3'	B.G.L.; WELD ON ST	EEL PLATE TO CSO	GS. X INSTA	LL DRY HOLE	MARKER.	
	TTACHED FO			lel N	PROVED OF LAND MANAGEMENT SBAD FIELD OFFICE	
14 Thereby certify that the foregoing is true and correct		Title		BUREAU	SRAD FIELD OFFICE	
Name (Printed/Typed)		AGENT	1	CARL	OUNDITIES	
	0	Date 11/03/09	 }			
THI	S SPACE FOR FEDER					
Approved by		Title		Di	ate	
Conditions of approval, if any, are attached. Approval	of this notice does not warra	nt or Office				
certify that the applicant holds legal or equitable title to which would entitle the applicant to conduct operations to	those rights in the subject					

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes 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.

						(X) IKI		
MP4 " 30	-015-10862	OPERATOR	<u> </u>	EPVE	57	OPERI	אונדור	- L.L.C.
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<u> </u>	1 1					WELL	. #	007
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1 1		PBTD:	4011			MATION		
		FBID.		•	FOR		W rb	ייי
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	-5/-"	<u> </u>	SIZE	SE	T @	TOC	TOC DET	ERMINED BY
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	@ 420'	INTMED 1						
	TOC SURF.	INTMED 2		,		·····	:	
1		PROD	4-1/2	2,6	7/	2,100'	CALC	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
		1.1100	SIZE	TO		BOT		DETERMINED E
		INED 4	SIZE	10	<u>/-</u>	DOI	100	DETERMINED E
		LINER 1						
	<u> </u>	LINER 2				<u> </u>		
			CUT & I	PULL	@		TO	P - BOTTOM
		INTMED 1				PERFS		4
		INTMED 2		····		OPENHOLE		-
ļ		PROD	 					
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Į.	1	* REQUIRED PL		_				
		TISALT	350'		PLUG	TYPE	SACKS	DEPTH
		BISALT	900		ا ــــــــــــــــــــــــــــــــــــ	PLUG	CMNT	
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			2,500'	1 1		·		
		T/GBR.	2,500	1	JUG#3		<u> </u>	
	ļ		 	PL	NG III			
			ļ	PI.	JUG#2	•		
				PI	JU # 3			
	PERFS. C			PL	JUG#4			
_ <u> </u>	PERPS. C			P	WG#5			
T	2,629'-39'			1 1-	WG#6			
			 	1 1-			-	
•	4-1/2"	<u> </u>	 	1 🕂	WG#7		 	
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	2,611	(. ·	<u> </u>		WG#9			
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WLHU G4S UNIT TRACT 10 B #007 30-015-10862 Enervest Operating, L.L.C. November 18, 2009 Conditions of Approval

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- 2. Need to perforate and attempt to squeeze due to calculated cement top.
- 3. Needs to be a 110' plug.
- 4. OK
- 5. OK
- 6. OK
- 7. See attached general plugging COA.

MAK 11/18/09



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Carlsbad Field Office 620 E. Greene St Carlsbad, New Mexico 88220-6292 www.blm.gov/nm



In Reply Refer To: 1310

Reclamation Objectives and Procedures

Reclamation Objective: Oil and gas development is one of many uses of the public lands and resources. While development may have a short- or long-term effect on the land, successful reclamation can ensure the effect is not permanent. During the life of the development, all disturbed areas not needed for active support of production operations should undergo "interim" reclamation in order to minimize the environmental impacts of development on other resources and uses. At final abandonment, well locations, production facilities, and access roads must undergo "final" reclamation so that the character and productivity of the land and water are restored.

The long-term objective of final reclamation is to set the course for eventual ecosystem restoration, including the restoration of the natural vegetation community, hydrology, and wildlife habitats. In most cases this means returning the land to a condition approximating or equal to that which existed prior to the disturbance. The final goal of reclamation is to restore the character of the land and water to its predisturbance condition. The operator is generally not responsible for achieving full ecological restoration of the site. Instead, the operator must achieve the short-term stability, visual, hydrological, and productivity objectives of the surface management agency and take steps necessary to ensure that long-term objectives will be reached through natural processes.

To achieve these objectives, remove any and all contaminants, scrap/trash, equipment, pipelines and powerlines. Strip and remove caliche, contour the location to blend with the surrounding landscape, redistribute the native soils, provide erosion control as needed, rip and seed as specified in the original APD COA. This will apply to well pads, facilities, and access roads. Barricade access road at the starting point. If reserve pits have not reclaimed due to salts or other contaminants, submit a plan for approval, as to how you propose to provide adequate restoration of the pit area.

- 1. The Application for Permit to Drill or Reenter (APD, Form 3160-3), Surface Use Plan of Operations must include adequate measures for stabilization and reclamation of disturbed lands. Oil and Gas operators must plan for reclamation, both interim and final, up front in the APD process as per Onshore Oil and Gas Order No. 1.
- 2. For wells and/or access roads not having an approved plan, or an inadequate plan for surface reclamation (either interim or final reclamation), the operator must submit a proposal describing the procedures for reclamation. For interim reclamation, the appropriate time for submittal would be when filing the Well Completion or Recompletion Report and Log (Form 3160-4). For final reclamation, the appropriate time for submittal would be when filing the Notice of Intent, or the Subsequent Report of Abandonment, Sundry Notices and Reports on Wells (Form 3160-5). Interim reclamation is to be completed within 6 months of well completion, and final reclamation is to be completed within 6 months of well abandonment.
- 3. The operator must file a Subsequent Report Plug and Abandonment (Form 3160-5) following the plugging of a well.
- 4. Previous instruction had you waiting for a BLM specialist to inspect the location and provide you with reclamation requirements. If you have an approved Surface Use Plan of Operation and/or an approved Sundry Notice, you are free to proceed with reclamation as per approved APD. If you have issues or concerns, contact a BLM specialist to assist you. It would be in your interest to have a BLM specialist look at the location and access road prior to the removal of reclamation

equipment to ensure that it meets BLM objectives. Upon conclusion submit a Form 3160-5, Subsequent Report of Reclamation. This will prompt a specialist to inspect the location to verify work was completed as per approved plans.

- The approved Subsequent Report of Reclamation will be your notice that the native soils, contour and seedbed have been reestablished. If the BLM objectives have not been met the operator will be notified and corrective actions may be required.
- 6. It is the responsibility of the operator to monitor these locations and/or access roads until such time as the operator feels that the BLM objective has been met. If after two growing seasons the location and/or access roads are not showing the potential for successful revegetation, additional actions may be needed. When you feel the BLM objectives have been met submit a Final Abandonment Notice (FAN), Form 3160-5, stating that all reclamation requirements have been achieved and the location and/or access road is ready for a final abandonment inspection.
- 7. At this time the BLM specialist will inspect the location and/or access road. If the native soils and contour have been restored, and the revegetation is successful, the FAN will be approved, releasing the operator of any further liability of the location and/or access road. If the location and/or access road have not achieved the objective, you will be notified as to additional work needed or additional time being needed to achieve the objective.

If there are any questions, please feel free to contact any of the following specialists:

Jim Amos Supervisory Environmental Protection Specialist 575-234-5909, 575-361-2648 (Cell)

Terry Gregston Environmental Protection Specialist 575-234-5958

Bobby Ballard Environmental Protection Specialist 575-234-2230

Randy Rust Environmental Protection Specialist 575-234-5943

Linda Denniston Environmental Protection Specialist 575-234-5974

Jennifer Van Curen Environmental Protection Specialist 575-234-5905

Justin Frye Environmental Protection Specialist 575-234-5922 Cody Layton Natural Resource Specialist 575-234-5959

Trishia Bad Bear Natural Resource Specialist 575-393-3612

Todd Suter Surface Protection Specialist 575-234-5987

Doug Hoag Civil Engineering Technician 575-234-5979

Bureau of Land Management Carlsbad Field Office 620 East Greene Street Carlsbad, New Mexico 88220 575-234-5972

General Guidelines for Plugging Procedures

- 1. All cement plugs will be a minimum of 100 feet in length plus 10% for each 1000 feet or a minimum of 25 sacks, whichever is greater. The surface plug is to be a minimum of 60' in length.
- 2. A cement plug is required to be set at least 50 feet below and 50 feet above all casing shoes and casing stub plugs and must be tagged.
- 3. A cement plug shall be placed opposite all open perforations and extend a minimum of 50 feet below to 50 feet above the perforated interval. This plug is to be tagged. In lieu of the cement plug, a bridge plug is acceptable, set 50 feet above the uppermost perforation with 35 feet of cement on top if bailed, 25 sacks if pumped. This could vary depending on thickness of formation.
- 4. The salt section shall be isolated by placing a cement plug at the base of the salt and at the top of the salt section. This plug shall be 100 feet in length plus 10% for each 1000 feet or 25 sacks, whichever is greater. All salt plugs to be tagged. If located in the R-111P potash area, the requirement is that a solid cement plug be set across the salt section (50 feet below to 50 feet above the salt section). Fluid used to mix this cement plug shall be saturated with the salts common to the salt section penetrated and with suitable proportions but not more than three percent of calcium chloride by weight of cement being considered the desired mixture whenever possible. This plug is to be tagged.
- 5. If cement does not exist behind casing at recommended geological formations to be isolated, the casing must be cut and pulled and cement plugs placed at recommended formations to be isolated or casing must be perforated and cement squeezed behind casing at recommended formations to be isolated.
- 6. Formations to be isolated with 100 feet cement plug are as follows, top of Fusselman, top of Devonian, top of Morrow, top of Wolfcamp. In Delaware Basin: top of Bone Springs, top of Delaware, top and base of salt section. In platform shelf: top of Abo, top of Glorieta, top of Yates will be base of salt plug.
- 7. There will not be more than 2000 feet between cement plugs in open hole and not more than 3000 feet in cased hole.
- 8. Mud laden fluids mixed at 25 sx of gel per 100 barrels of water shall be placed between all plugs.
- 11. Cement plugs shall consist of either Class C, for up to 7,500 feet of depth, mixed at 14.8 lbs/gal with 6.3 gallons of fresh water per sack, or Class H, for deeper than 7,500 feet plugs, mixed at 16.4 lbs/gal with 4.3 gallons of fresh water per sack.

WWI 062708