Form 3160-5 (August 2007) OCD Artesia

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

5. Lease Serial No. NMLC029342B

# SUNDRY NOTICES AND REPORTS ON WELLS

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Do not use th abandoned we	is form for proposals to d II. Use form 3160-3 (APD	frill or to re-ente ) for such propo	r an sals.		6. If Indian, Allottee of	or Tribe Nan	ne
SUBMIT IN TRI	PLICATE - Other instruct	ions on reverse	side.		7. If Unit or CA/Agre	ement, Nam	ie and/or No.
Type of Well     ☐ Gas Well ☐ Ott	ner ·				8. Well Name and No. LOCO HILLS B 6		
2. Name of Operator BOAZ ENERGY, LLC	Contact:	OEL HALE DAZENERGY.COM			9. API Well No. 30-015-20673		
3a. Address PO BOX 50595 MIDLAND, TX 79710		3b. Phone No. (inclu Ph: 432-253-707			10. Field and Pool, or GRAYBURG JA		
4. Location of Well (Footage, Sec., 7	., R., M., or Survey Description)				11. County or Parish,	and State	
Sec -2147483648 T17S R30E	E 660FSL 1980FEL				EDDY COUNTY	/, NM	
12. CHECK APPI	ROPRIATE BOX(ES) TO	INDICATE NAT	TURE OF I	NOTICE, R	EPORT, OR OTHE	R DATA	
TYPE OF SUBMISSION			TYPE O	F ACTION			
□ Notice of Intent	☐ Acidize	Deepen		☐ Produc	tion (Start/Resume)	□ Wate	er Shut-Off
_	Fracture T	reat	□ Recland	ation	■ Well	Integrity	
Subsequent Report	□ Casing Repair	■ New Cons		Recom:	•	Other	r ver Operations
☐ Final Abandonment Notice	Change Plans	Plug and A		=	rarily Abandon	WOIKOV	ci operations
13. Describe Proposed or Completed Op-	☐ Convert to Injection	Plug Back		☐ Water I			
following completion of the involved testing has been completed. Final Al determined that the site is ready for f Based on verbal approval from following work on this well.  Work Began on 4/29/13 -Perforate Seven Rivers from	pandonment Notices shall be filed inal inspection.) n BLM's Jennifer Mason ar	l only after all require	ments, includ	ling reclamatio	on, have been completed, a	and the oper	rator has
-Break down perfs with 750ga -Slickwater Frac Sever Rivers - 1,512 gal 15% HCL, 64,008	l 15% HCl. down liner at 30BPM @ 2	079psi		add	ing pay to		i wasay
Production After work: 5bbl oil					RECEIV	ED	
The following documents are	attached:	Accepted for NMOC			JUN <b>2 4</b> 2		1
Provide log	delail of	Woole 6	125/1	3			
14. I hereby certify that the foregoing is	Electronic Submission #2	NERGY, LLC, ser	nt to the Ca	rlsbad		res a	
Name(Printed/Typed) JOEL HAL	<u>E</u>	Title	ENGINI	EER .			
Signature (Electronic S	Submission)	Date	06/14/2	013			501
Organitate (Dicettorine of	THIS SPACE FOI				CEPTED FOR	RECO	<del>RE;</del>
	THIS SPACE FOI	TEDERAL OF	STATE	OFFICE			
_Approved_By	. <b></b> .	Title	;		JUN 21	2013	2
Conditions of approval, if any, are attached certify that the applicant holds legal or equivalent would entitle the applicant to conduct the applicant the applicant to conduct the applicant to conduct the applicant the appli	nitable title to those rights in the solic operations thereon.	ubject lease Offi			MANUTES AND MA	NAGEMEN	On O
Title 18 U.S.C. Section 1001 and Title 43 States any false, fictitious or fraudulent s	U.S.C. Section 1212, make it a catalements or representations as to	rime for any person ki o any matter within its	nowingly and jurisdiction.	willfully o m	ake icarlsbadifild	aQEFICE 11	ne Unitèd

## Additional data for EC transaction #210692 that would not fit on the form

#### 32. Additional remarks, continued

- Updated Well Bore Diagram with new perforationsDaily Workover summaryFrac Chemical disclosure

							Date:	5/8/2013
Lease:			LOCO HILLS B			County:	EDDY-	
Well Nu	ımbe	r:		6	Sec:	9	API#:	30-015-20673
Well Lo	catio	n:	660' FSL & 1980' FEL		Twn:	17S	Range:	30E
,	1				_			
			Surface Casing Size:	8-5/8"	⊸ Weight:	<u> </u>	Date Set:	7-8-72
			Depth set :	479'	Sx of Cement :	150	TOC:	
		1	Production Casing Size :	5-1/2"	Weight:		Date Set:	
			Depth set :	2868'	Sx of Cement :	450	TOC:	1500'+ (CBL)
<b>&lt;</b> [			>					
			Perforations :	Seven Rive	ers: 1886-1900, 14	-30, 23-30, 5	53-60 (4SP	PF @ 0.42")
	1.			Loco Hills:	2594'-2600'; 06'-1	l0'; 16'-22';		
				Metex: 26	68'-74'; 2710'-20';	32'-38';		
				Premier: 2	746'-52'; 2816'-22	'; 30'-34';		
			Total # of Holes:			Но	le Size:	
						<del></del>		
0		0	Initial Stimulation:			<del></del>		
0		0	Date:				——————————————————————————————————————	
		ļ	Subsequent Ction.	C Di	750-1-1-6-			
			Subsequent Stim: Date: 5/4/13	A	s - 750gal acid after	32'-38'; '; 30'-34'; Hole Size:		
	ļ.		Date. 5/4/15	LI 9C - 1217	3al 15% HCL + 64,00	ogai Siickwai	ler + 30,32.	5# 20/40
0		0	Initial Potential:	BOPD:		MCF	PD:	
0		0	Date	: BWPD:		M	ethod:	<del></del>
. 0		o				=		
<		>	Total Depth:	TD.	2869'	PBTD	2866'	
	•	•	Elevations:	GL	3687'	KB	11'	
						<b>-</b>		
			4/29/13 - Run CBL & perf Se	even Rivers			- A	- Character and a second
			5/4/13 - Frac Seven Rivers	<del> </del>				
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# Hydraulic Fracturing Fluid Product Component Information Disclosure

Fracture Date	5/4/2013
State:	
County:	
API Number:	
Operator Name:	Boaz Energy
Well Name and Number:	Loco B-6
Longitude:	
Latitude:	PUR TELL PERSON
Long/Lat Projection:	NAD27
Production Type:	Oil
True Vertical Depth (TVD):	
Total Water Volume* (gal):	64,008

## /draulic Fracturing Fluid Composition:

					Maximum	Maximum		
	Supplier	Purpose	A STATE OF THE STATE OF	Chemical Abstract	DESCRIPTION OF THE PROPERTY OF THE PARTY OF	Ingredient	Comments	
Trade Name	Supplier	Purpose	Ingredients	Service Number	Concentration	Concentration	Comments	
				(CAS #)	in Additive	in HF Fluid		2.4
				7732-18-5	∍(% by mass)**	(% by mass)**		
ater		Carrier / Base Fluid	14.	7732-18-5	100.00%	90.185796%		
and (Proppant)		Proppant			100.00%	6.369432%		
E-602	Evironmental Energy Service	Surfactant	Trade Secret	Trade Secret	100.00%	0.093410%		
₹-1	Economy Polymers	Breaker	Ammonium Persulfate	7727-54-0	98.00%	0.423093%		
		,						
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-1 - 1 11 - A -1 1	B	·	Lludes and Chileside	7647-01-0	40.00%	4.0004600/		
/drochloric Acid_	Reagent Chemical		Hydrogen Chloride	7647-01-0	40.00%	1.029168%		$\dashv$
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2-50	Colossal Chemical	Biocide	Triazine/Triethanol	4719-04-4	60.00%	0.031660%		$\dashv$
<del>5 00</del>	Colossa Chemica	5.00.00	Methanol	67-56-1	5.00%	0.002638%		
-300	Colossal Chemical	Scale Inhibitor	Trade Secret	Trade Secret	100.00%	0.106769%		$\dashv$
-5	Economy Polymers	Iron Control	Acetic Acid	64-19-7	60.00%	0.006899%		$\neg$
			Citric Acid	77-92-9	30.00%	0.003449%		$\neg$
			Water	7732-18-5	60.00%	0.006105%		$\neg$
-200	Economy Polymers	Corrosion Inhibitor	Methyl Alcohol	67-56-1	60.00%	0.002920%		$\Box$
₹-01	Economy Polymers	Friction Reducer	Trade Secret	Trade Secret	100.00%	0.096375%		$oldsymbol{\perp}$
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		L	<u> </u>	·L	L	L	L	

Trade Name Supplier	Purpose Ingredients	Chemical Abstract Ingredient Service Number Concentration	Maximum Ingredient Concentration Comments
		(CAS #) in Additive (% by mass)**	in HF Fluid (%, by mass)***

otal Water Volume sources may include fresh water, produced water, and/or recycled water Information is based on the maximum potential for concentration and thus the total may be over 100%

Hydraulic Fracturing Fluid Composition:

I component information listed was obtained from the supplier's Material Safety Data Sheets (MSDS). As such, the Operator is not responsible for inaccurate and/or incomplete information. Any questions regarding a content of the MSDS should be directed to the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please the text text of the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Please the text of the supplier who provided it. The Occupational Safety and Health Administration's (OSHA) regulations govern the criteria for the disclosure of this information. Any questions regarding a content of the MSDS is subject to the supplier who provided it.

	Fracture Date	5/4/2011
	· State:	. K
	County:	. At
	API Number:	· : · · · · · · · · · · · · · · ·
-	Operator Name:	: : "Boaz Energy
	<ul> <li>Well Name and Number;</li> </ul>	Loco B4
	Longitude:	in the same of
	Latitude:	17.5
	Long/Lat Projection:	NAD2
		47.5 (7.7.10)
	True Vertical Depth (TVD):	
	Total Water Volume* (gal):	64,000

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Hydraulic Fracturi	ing Fluid Compo	sition.					Total Blurry Amout (Ga			otal Slurry Mass (L 573,050	) 
Trade Name	Supplier	Purpose	ingradients	Chemical Abstract Sorvice Number (CAS	Ingredient Concentration	Materials	Total for Well	Specific Gravity	Volume per Component (Gallons)	Mass per (Component) (LBS)	Maximum Ingredient Concentrate In HF Fluid (% by mass)
Water		Carrier / Base Fluid		7732-18-5	100.00%	Waler	84.008	1.00	52,542	518.809	90,18580 K
and (Proppant)		Proppant	-	7732-10-0	100.00%	Sand (LBS)	□ 38,500 (C 7	2.83	1,666	36,500	8.38943%
VE-602	Evironmental Ene		Trade Secret	Trade Secret	100.00%	NE-401		1,02	83	535	0.09341%
	Economy Palyme		Ammonium Persultate	7727-54-0	95.00%	BR-1	GAL TZ 150 PC 16 CV	1,98	150	2,474	0.42309%
	Economy Polyme		Petroleum Distrilates	NA NA	60.00%	LOW-01	347 75 100 2 3 1	1,05	1 0	2,474	0.00000%
	Condity ( ciyine	OVALIN	Polyseccharide Blenc	NÃ	86.00%	1011-01	21.15/2.120k to av 1	1,05	<del></del>	0	0.00000%
L-83	ASK Chemical	Crossinker	Potassium Hydroxide	1310-58-3	25.00%	CL-203	2. 76 L/ 4/ 5 1 1	1,34	0	<del></del>	0.00000%
	Aar Chemica	CIUSHEINUI	Ethylene Glycol	107-21-1	25.00%	CL-43	\$2.90.000 ax 9	1.34	<del></del>	<del></del>	0.00000%
			Proprietary Component	NA.	25.00%		D D	1,34		<del>                                     </del>	0.00000%
			Proprietary Component	NA .	15.00%		1344.4 5640 D F 79	1,34		l i	0.00000%
			Proprietary Component	NA	10,00%		1 1/1 1 25 1 U T	1,34	<del>-</del>	0-	0.00000%
fydrochforle Acid	Respent Chemics	<u> </u>	Hydrogen Chlorids	7647-01-0	40.00%	HCL	F 341 1,500 (1,112)	1,18	1,500	14,744	1,02917%
	Economy Polyme		Glacial Acetic Acid	84-19-7	80.00%	AAM	المريد المحاصرات عوا	1.04	1,300	19,744	0.00000%
	are many , cryme	5,5,		15.15.	47.54		THE THE PARTY	- 1.04		<u> </u>	0.00000%
			<del> </del>				1 41 1		0	0	0.00000%
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			27 1 27 1 1 1				A. I. on				
C-50	Colossal Chemica	Blockse	Triazine/Triethanol	4719-04-4	60.00%	Ð-605	33	1,10	33	302	0.03166%
				67-56-1	5.00%		*16 in 199 W.C.	1.10	33	302	0.00264%
	Colossaf Chemics		Trade Secret	Trade Secret	100,00%	81-306	65	1,13	65	612	0.10077%
>5	Есолоту Ројуте	Iron Control	Acetic Acid	84-19-7	90,00%	IC-6	CONTRACTOR SERVICE	1.13	7	Ыб	0,00090%
			Citrle Acid	77-02-9	30.00%		,	1.13	7	60	0.00345%
			Water	7732-18-5	60.00%		CONTRACTOR	1,00	7	58	0,00611%
1-200	Economy Polyme	Corrosion Inhibitor	Methyl Alcohol	07-56-1	\$60,00%	CI-200	4	0.84	4	26	0.00292%
							A COLUMN TRANSPORT		4	0	0.00000%
									Ö	0	0.00000%
R-01	Economy Polyme	Friction Reducer	Trade Secret	Trade Secret	100,00%	FR01	# . * . <b>05</b> /	1.02	65	552	0.05636%
										0	0.000000%
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