Form 3160-4 (August 2007)

# UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

OCD. Aryaia

FORM APPROVED OMB No. 1004-0137 Expires July 31, 2010

# WELL COMPLETION OR RECOMPLETION REPORT AND LOG

WELL COMPLETION OF RECOMPLETION REPORT AND LOG											NMNM0437523			
1a. Type of Well ☐ Gas Well ☐ Dry ☐ Other											6. If Indian, Allottee or Tribe Name			
b. Type of Completion   New Well   Work Over   Deepen   Plug Back   Diff. Resvr  Other									Resvr	7. Unit or CA Agreement Name and No.				
											Lease Name and Well No.     GRATEFUL BOD FEDERAL COM 11			
3. Address 105 SOUTH FOURTH STREET   3a. Phone No. (include area code) ARTESIA, NM 88210   Ph: 575-748-4168											9. API Well No. 30-015-38990-00-S1			
4 Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 13 T18S R29E Mer NMP											10. Field and Pool, or Exploratory UNDESIGNATED			
At surface NENE Lot A 786FNL 545FEL  At top prod interval reported below											11. Sec, T., F or Area	c., M , or I Sec 13 T1	Block and 8S R29E	Survey Mer NMF
Sec 13 T18S R29E Mer NMP At total depth NWNW Lot D 732FNL 389FWL											12 County or EDDY	Parish	13. Sta	
14. Date Spudded								Prod.	17. Elevation	s (DF, KB 1499 <b>G</b> L	, RT, GL)	*		
18. Total D	Depth.	MD TVD								20 Depi	epth Bridge Plug Set: MD TVD			
	21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  CNL HI-RESLATEROLOG CBL  22. Was well cored?  Was DST run?  No  Yes (Submit analysis)  Directional Survey?  No  Yes (Submit analysis)													
23 Casing a	nd Liner Rec	ord (Repo	ort all strings	set in well)							· · ·			
Hole Size	Hole Size Size/Grade		Wt (#/ft.)	Top (MD)	Botton (MD)	_	Cemente Depth		of Sks. & Slurry of Cement (BE			nt Top*	Amour	nt Pulled
26.000 14.750	+	20.000 50 H-40	42.0	0	<del> </del>	40 81			874		<del></del>	0		
11.000		30 H-40 325 J-55	32.0	0		90				<u>* </u> 5		0		
7.875	7.875 5.500 F		17.0	0	114	53				)		2650		
		_									D-O	-11/16	<u>.</u>	
24 Tubing	z Record			<u> </u>					-	1 1		1 ¥ L	y y	
	Depth Set (M	4D) P	acker Depth (	(MD) S	ize D	epth Set (1	MD)	Packer De	pth (MD)	Size	Depth Set (	MD) 204	acker De	pth (MD)
2.875		7361		7361		24 5 6								
	ormation		Тор	ottom			on Record			Ze No. Holes Perf S				
A)	BONE SP	RING	7759		11385		Perforated Interval 8062 TO 11		D 11385	Size	18 ports		Perf Sta	itus
B)												1		
C)							ACC	epte	d for i	ecor:	1/2 /1/2			
D)	racture, Treat	ment Cer	ment Squeeze	Etc	ŀ			ALA	10Cb	_4	72/21/4			
	Depth Interva		Thent Squeeze	.,		<u>-</u>			d Type of N	/aterial	BEC	T.A.M	ATI	
			385 18,000 g	al 7.5% HCL	acid						DIE	5-	9-1	2
	806	2 TO 11:	385 3,987,59	3 # sand							<del>DUE</del>		<del></del>	
							•			<u>'                                     </u>	D 1 750" BALL			
28 Product	1081 tion - Interval		385 ACIDIZE	D WITH 100	0G 7-1/2%	HCL ACI	D, FRAC	WITH 1213	00LB SAND	D, DROPPE	D 2 125" BALL	<u> </u>		
Date First	Test	Hours	Test	Oil	Gas	Water	Oil C	iravity	Gas		Production Method			
Produced 11/20/2011	Date	Tested	Production	BBL	MCF	BBL	Corr	API	Gravit	у	El-EC	TRIC PUM	DING LINI	<del></del>
Choke	Tbg Press	Csg	24 Hr	Oil	Gas	Water	Gas	Oıl	Well S	tatús /	השונה	EAD	7 E	
Size	Flwg SI	Press	Rate	BBL	MCF	BBL	Ratio	)		MUU	Crien	<u> </u>	1/LU	ן עווט
28a. Production - Interval B														
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Corr	ravity API	Gas Gravit		roduction Method		M	_
11/20/2011 Choke	12/08/2011 Tbg Press	Csg	24 Hr	305 0 Oil	231.0 Gas	112 Water	0 Gas	Oil	Well S	tatus	ELEC	TRIC PUM	PING UN	1
Size		Press	Rate	BBL 305	MCF 231	BBL 112	Ratio			ر ا	REAU OF LA	AND MAI	VAGEM!	ENT.
(See Instruct	tions and spa	ces for ad	lditional data	on reverse	side)	4 WEI I	INEODA	(ATION 4	EVETEM		MADICDAD	FIELD (	OFFICE	
ELECTRONIC SUBMISSION #125413 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  ** BLM REVISED ** BLM REVISED ** BLM REVISED **														

28b. Prod	uction - Inter	val C												
Date First Produced	Test Date	Hours Tested	Test Production	Oıl BBL	Gas MCF	Water BBL	Oil Gravity Corr API		Gas Gravity	Production Method				
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	,	Well Status	l				
28c. Prod	uction - Inter	val D	<del>                                     </del>		l		<b>_</b>							
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API		Gas Gravity	Production Method				
Choke Size	Tbg Press Fiwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	,	Well Status			, <u>.</u> ,		
29. Dispo	sition of Gas	Sold, used	l for fuel, ven	ted, etc.)	l .			L						
30. Sumr	nary of Porou all important	zones of j	orosity and c	ontents there			d all drill-stem		31. For	mation (Log) Mai	rkers			
	including dep ecoveries.	th interva	tested, cushi	on used, tim	e tool ope	n, flowing ar	nd shut-in pres	ssures				Тор		
	Formation	Тор	Bottom		Descripti	ons, Contents	, etc.		Name					
27. / DEP 1061 1042	RIVERS RG PRING  Ional remarks TINUED: ACID, FRAC TH INTERVI 2-ACIDIZED	TURE, T AL-AMOL WTIH 10 WITH 10	REATMENT JNT AND TY 000G 7-1/2%	, CEMENT PE OF MA 6 HCL ACIE 6 HCL ACIE	SQUEEZ TERIAL D, FRAC D, FRAC	WITH 1213 WITH 1209	94LB SAND, 87LB SAND, 25LB SAND,	DROPPI	TA YA SE QL GR SA BO 2.25" BA	ALL		318 1122 1234 1600 2220 2644 3166 4150		
1007	9-ACIDIZED	WITH 10	000G 7-1/2%	HCL ACIL	D, FRAC	WITH 1207 WITH 1162	96LB SAND,	DROPPI	ED 2.625" B/	ALL				
	ectrical/Mech	-		- '		2. Geologi	•	3. DST Report 4. Directional Survey						
5. Sı	indry Notice f	or pluggin	ig and cement	verification		6. Core A	nalysis		7 Other:					
		•	Electron Committed	ronic Subm For YATES	ission #12 S PETRO	5413 Verific LEUM COI	ed by the BLI RPORATION RT SIMMON	M Well In N, sent to NS on 12/1	formation Sy the Carlsbad 2/2011 (12K	MS0493SE)		ons):		
INAITIC	Name (please print) TINA HUERTA								Title REG COMPLIANCE SUPERVISOR					
Signa	Signature (Electronic Submission)							Date 12/12/2011						
Title 18 1	ISC Section	1001 and	Title 43 U.S	C. Section	1212 mak	e it a crime t	or any person	knowingly	and willfully	to make to any d	enartment or s	ngency		

of the United States any false, fictitious or fradulent statements or representations as to any matter within its jurisdiction

## Additional data for transaction #125413 that would not fit on the form

### 27. Acid, Fracture, Treatment, Cement Squeeze, etc., continued

Depth Interval
11012 TO 11385

#### 32. Additional remarks, continued

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9884-ACIDIZED WITH 1000G 7-1/2% HCL ACID, FRAC WITH 116480LB SAND, DROPPED 2.750" BALL 9731-ACIDIZED WITH 1000G 7-1/2% HCL ACID, FRAC WITH 121510LB SAND, DROPPED 2.875" BALL 9535-ACIDIZED WITH 1000G 7-1/2% HCL ACID, FRAC WITH 117859LB SAND, DROPPED 3." BALL. 9338-ACIDIZED WITH 1000G 7-1/2% HCL ACID, FRAC WITH 117301LB SAND, DROPPED 3.125" BALL 9147'-ACIDIZED WITH 1000G 7-1/2% HCL ACID, FRAC WITH 118100LB SAND, DROPPED 3.25" BALL 8951-FRAC WITH 1353160LB 30/50, 331650LB 20/40 SUPER LC, 26911BBLS WATER, DROPPED 3.375" BALL 8756-ACIDIZED WITH 1000G 7-1/2% HCL ACID, FRAC WITH 123181LB SAND, DROPPED 3.5" BALL 8561-ACIDIZED WITH 1000G 7-1/2% HCL ACID, FRAC WITH 119386LB SAND, DROPPED 3.625" BALL 8374-ACIDIZED WITH 1000G 7-1/2% HCL ACID, FRAC WITH 96707LB SAND, 50 BBLS WATER, DROPPED 3.750" BALL, PUMPED 27 BBLS SCREENED WELL OUT WITH 13000LB 20/40 SUPER LC IN THE CASING 8220-ACIDIZED WITH 1000G 7-1/2% HCL ACID, 116702LB SAND, FLUSHED WELL, DROPPED 3.875" BALL, PUMPED 40 BBLS 8062-ACIDIZED WITH 1000G 7-1/2% HCL ACID, 149457LB SAND, PUMPED 4972G 7-1/2% HCL ACID, 589402LB 30/50, 153807LB 20/40 SUPER LC

2 COPIES OF LOGS MAILED TO BLM-CARLSBAD ON 12/12/11 SURVEYS ATTACHED