Form 3160-4 (August 2007)

APR 2 4 2019 UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Operator Copy

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

B) C) D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval 8640 TO 15308 13971596 GAL SLICK-WATER AND 17115480 LBS SAND 28. Production - Interval A Jace First Test Hours Test Production BBL MCF BBL Cont. API Gravity 09/12/2018 09/19/2018 24 980.0 1930.0 2656.0 46.0 Production Method Tolk Press Cig. 24 Hr. Oil Gas Water Gas Oil Gravity 28. Production - Interval A 28. Production - Interval B 29. Production - Interval B 20.	DIS	STAIRETHING	Banno c	E-PORPE	R RECC	MPLETI	ON RE	PORT	AND L	.og			ase Serial N MNM1143				······································
2. Name of Opurator Contact: AMTHY E CRAWFORD S. Lease Name and well No.				_		• 77		Plug	Back	D Diff. R	esvr.						
Address 600 MAPEN PELOS DETECTION State Security			Othe	ŗ <u></u>						•					ent Name a	nd No	3.
MDLAND, TX 79701 Fit: 432-620-1909 30-015-44554-0Q-S1	2. Name of CIMAR	Operator EX ENERG	Ү СОМР	ANY E	-Mail: acra				VFORD							ЭM 1	Н
4. Location of Well (Report location clearly and inaccordance with Federal requirements)* At surface Lot 4 0FIS 6. 698FWI. 31.99799 in Lat. 1.04.27147 W Lon At top proid increase in protein black 566.22 (2285 EVER Mer TAM). At top proid increase in protein black 566.22 (2285 EVER Mer TAM). At top proid increase in protein black 566.22 (2285 EVER Mer TAM). Soc. 32 726S RZF Mer TAM. 15. Date T.D. Reached. 16. Date Campleted. 08/12/2018 17. Elevations (DF, KB, RT, GL)* 08/12/2018 18. Total Depth: MD 16416 19- Ping Back T.D. MD 15378. 20. Depth Bridger Plus Set: MD 7432 17. Type Electric & Other Mechanical Logs Run (Submit copy of each) NONE 18. Total Depth: MD 16416 19- Ping Back T.D. MD 15378. 20. Depth Bridger Plus Set: MD 7432 19. Part Soc. 22 28 Mer TAM. TAVE DET TRUP 10. Size Size/Grade Wt. (WR) Top Bottom MD Depth Type of Cement Turn) None Size Size/Grade Wt. (WR) Top Bottom MD Depth Type of Cement (BBL) 17. Food 1. 3276 J-S. 36.0 0 1801 77.0 0 15416 3277 0 0 360 24. Tubing Record 24. Tubing Record 25. Fonduction Interval Depth MD Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Packer De	3. Address	600 N MA MIDLAND	RIENFEL	D STE 600	1					area code)		9. AF	I Well No.		5-44554-0	00-S1	\.
At surface Lot 4 OFS 6.08FW. 31.997991 N Lat. 1.04.277477 W Lors At top prod internal imports before \$2.22 ESPZ Mee NMpr At top prod internal imports before \$2.22 ESPZ Mee NMpr At total depth. WMWN 325PN. 583FW. 32.01965 to 0.04FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 4 ASDES 5.004FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 4 ASDES 5.004FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 4 ASDES 5.004FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.004FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.004FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.004FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.217186 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.21718 W Lor See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.21718 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.21718 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.21718 W Lon See. 25 TASS RZZ EM 5 ASDES 5.006FW. 31.997194 N Lat. 1.04.21718 W Lon See. 25 TASS RZZ EM 5 ASDES	4. Location	of Well (Re	port locati	on clearly an		ince with Fe											· · · · · · · · · · · · · · · · · · ·
At top prod interval repetited below	At surfa	Sec 32 ce Lot 4.0	2 T26S R DFSL 696	FWL 31.99	7091 N Lat	, 104.21711	17 W Lon	Í					<u> </u>	M	Disals and	·	
At total depth MNNNW 325FNL 835FVL 32.019566 N Lat, 1.04.218681 W Lon CluberSpool	At top p			Sec	32 T26S R	27E Mer N	MP		4.21718	6 W Lon		. ot	Area Sec	м., ог 32 Т	265 R27E	Mer	Y TXM,
14. Date Spieded		Sec	: 29 T26S	R27E Mer	NMP												
18. Total Depth: MD	14. Date Sp 06/12/2	oudded		15. Da	te T.D. Rea			16. Date			rod.		levations (I	DF, KE			
No. Was DST run? No. Yes (Submit analysis) No. Wes (Submit analysis) No. No. State No. No. State No. No. State No. No. State No.	18. Total D	epth:			19	· Plug Back	T.D.:	MD	4.0 141	· · · · · · · · · · · · · · · · · · ·		th Brid	lge Plug Se				
	21. Type E NONE	lectric & Oth	ier Mechai	nical Logs R	un (Submit	copy of each)			Was I	OST run?	i i	⊠ No Ì	🗖 Yes	(Submit a	ialysi	s)
17.500	23. Casing at	nd Liner Rec	ord (Repo	rt all strings	set in well)					Direc	ionar sur	, , ,		29 100	(Ottomic in	mysi	3)
12.250	Hole Size	Size/G	rade	Wt. (#/ft.)			1		4.0	The second			Cement 7	fop*	Amoun	t Pull	ed
24. Tubing Record		75 000 000 00									1						
24. Tubing Record						7				p. 1 . 1 . 1							
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth	8:750	5.	.500 L80	17:0	: :	J 1541	5		<u> </u>	3277				0			360
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth			-	*									***		*		
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth													: · · · · · · · · · · · · · · · · · · ·			•	
2.875 6901 6901 26. Perforation Record			as. [5			. 1		a see a	94 . 44 <u> </u>			1					
26. Perforation Record Size No. Holes Perf. Status			3 80 0	acker Depth		ize De	pth Set (N	1D) P	acker De	oth (MD)	Size	De	pth Set (MI	D)	Packer De	oth (N	1D)
A) BONE SPRING 8640 15308 8640 TO 15308 0.400 1254 OPEN			00011			2	6. Perfora	tion Reco	rd			ł	-				 -
B) C) D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval 8640 TO 15308 13971596 GAL SLICK WATER AND 17115480 LBS SAND 28. Production - Interval A Date First Test Date: Production BBL MCF BBL Corr, API Gas Gas Well Status 180 Production Method Date: Production Method Corr, API Gas Gas Well Status Production Interval BBL MCF BBL Corr, API Gas Gravity Production Method Date: Production Method Amount and Type of Material Production Method Gas Gravity Production Method Gas Well Status Well Status Production Method Date Finst Ratio Date Finst Test Hours Production Interval B Date First Test Hours Production Interval BBL MCF BBL Corr API Gas Coil Production Method ARA 1 / 2019 Production Method Gas Well Status Production Method Gas Oil Well Status Production Method Gas Oil Well Status Production Method CARESBAD FIELD OFFICE.	Fo	ormation		Тор	В	ottom	P	erforated	Interval		Size	Ü.N	lo. Holes		Perf. Sta	lus	
C) D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval 8640 TO 15308 13971596 GAL SLICK-WATER AND 17115480 LBS SAND 28. Production - Interval A Date First Test Date: Production BBL MCF BBL Gas: Oil Gravity Gravity Gravity Gravity Gravity Gravity Gravity Production Method Gravity Production Method Gravity Production Method Gravity Gravity Production Method Gravity Gravity Production Method Gravity Gravity Production Method Gravity Production Method Gravity Gravity Production Method Gravity Production Interval B 28a. Production - Interval B Date First Phys. Press. Rate: BBL MCF BBL MCF BBL Gravity Gravity Production Method Gravity Product	A)	BONE SPI	RING		8640	15308			8640 TC	15308	0.40	00	1254	OPE	N	7	
D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval 8640 TO 15308 13971596, GAL SLICK WATER AND 17115480 LBS SAND 28. Production - Interval A Date First Test Test Tested Date Tested Production BBL MCF BBL Corr, API Gravity Gravity Production Method Gravity Gas Gravity Production Method Gravity Gas St. 0.0 Production Production Production Production Production Production Production BBL MCF BBL Gravity Gas Gravity Production Method Gravity Gas Gravity Production Gravity Gas Gravity Production Gravity Gas Gravity Production Gravity Gas Gravity Production Gas Gravity Production Gas Gravity Production Gas Gravity Production Gas Gravity Gravity Gas Gravity Production Gas Gravity Production Gas Gravity Gravity Gas Gravity Production Gas Gravity Gravity Gas Gravity Gas Gravity Gas Gravity Production Gas Gravity Gravity Gas Gravity Gravity Gas Gravity Gas Gravity Gas Gravity Gravity Gravity Gas Gravity Gravit		4'												,			 -
22. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval												-					
Depth Interval Section Continue Conti		racture. Treat	ment. Cen	nent Squeeze	Etc:									<u> </u>			
28. Production - Interval A Date First Test Hours Test Production BBL MCF BBL Corr API Gas Gas Gas Corr API Gas Froduction Corr API Gas Corr API Corr API Gas Corr API Cor		1.4			,			Aı	nount and	1 Type of M	laterial						
Date First Test Date Date Date Date Date Date Production Date Date Production Date Date Date Date Date Date Date Date		864	10 TO 153	308 139715	96, GAL SLIC	K WATER A	ND 17115						· · · · · · · · · · · · · · · · · · ·		· · · · · ·		
Date First Test Date Date Date Date Date Date Production Date Date Production Date Date Date Date Date Date Date Date																	
Produced Date Production Date Production Date Production Date Production Date Production Date	28. Product	ion - Interval	Α								-		,			-	
1909/12/2018 1909/19/2018 24 1980.0 1930.0 2656.0 2656.0 246.0 1909	Date First											Producti	on Method	- 21 1	- (-(.)		
Choke Tbg. Press. Csg. Rate: BBL Oil Gas Water BBL Oil Gravity Croduced. Date Tbg. Press. Csg. Test Conduction Tested Date Tbg. Press. Csg. 24 Hr. Oil Gas BBL MCF BBL Ocrt. API Corr. API		l .	ı		l	1	j.			Giavin	27 m27 2 m 22	ED:T	ED F	pas [年COE	≀n l	
38 SI 0.0 980 1930 2656 1969 POW	Choke								il	Well S			to be 1 h			•	
Date First Test Date Tested Date Tested Date Tested Production BBL MCF BBL Corr. APT Gas Gravity Thoke Tbg. Press. Csg. 24 Hr. Dil. Gas Water Gas. Oil Well Status BUREAU OF LAND MACAGEMENT Gravity Thoke Fivg. Press. Rate BBL MCF BBL Ratio CARESBAD FIELD OF FICE.									1969	F	ow					4	
Date First Test Date Tested Production BBL Gas Water Corr. API Gravity Gas Gravity Choke Tbg. Press. Csg. 24 Hr. Dil Gas Water Fivg. Press. Rate BBL MCF BBL Ratio CARCSBAD FIELD OF FICE.	28a. Produc	tion - Interva	ıl B					!		•	j.	M	AR 1	20	19	γ.	1-7
Press. Rate BBL MCF BBL Ratio CARCSBAD HELD OF TUE	Pate First roduced											Producti	an Method	Nu	sul		2
	Chake .	Five.							ii	Well S	****	CAR	ESBAD FL	MA C ELD 0	KCEMEN FFICE). 378	

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #437747 VERIFIED BY THE BLM-WELL INFORMATION SYSTEM

*** BLM REVISED *** BLM REVISED *** BLM REVISED *** BLM REVISED ***

Reclamation Due: 3/2/2019

28b. Produ	ction - Interv	al C		***************************************		***	***************************************	·,*·	***************************************		
Date First Test Hours		Hours Tested	Test Production	Oil 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 Ralio	Well S	latus	,	
28c. Produ	ction - Interv	al D									
Date First Produced	Test. Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gās Graviņ	<u>, </u>	Production Method	
Choke Size	Tby, Press. Flwg. Si	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well S	tatus		
29. Dispos	ition of Gas	Sold, used	for fuel, ven	ted, etc.)	1			L			
Show tests, i	ary of Porous all important neluding dep coveries.	zones of p	crosity and c	ontents then	eof: Cored e tool ope	l intervals an n, flowing a	d all drill-stem, ad shut-in pressure	2 \$:	31. Fó	rmation (Log) Markers	e.
Formation			Тор	Bottom		Descript	ions, Contents, et	Č.		Name	Top Meas. Depth
RUSTLER SALADO CASTILE DELAWARE BONE SPRING			0. 1254 WATER 1254 1699 NONE 1699 1950 NONE 1950 5525 OIL, GAS, WATE				ATER ATER			ELAWARE ONE SPRING	1950 -5525
	onal remarks		7-1-27		94 <u>9</u> 2,774)				<u> </u>	, a propins of the edit	
10	OTE:		(=				unty, Te	CXIIS			
22 Cirolo	enclosed atta		••••			* agai sai s		2 ⁴⁴	· · · · ·	· · · · · · · · · · · · · · · · · · ·	
	enclosed atta	entra e legitores	s (1 full set 1	eq'd.)		2. Geolog	gic Report	. 3.	DSTR	eport 4. Dir	ectional Survey
5. Su	ndry Notice f	or pluggin	g and cemen	t verification		6. Core A	malysis-	7	Other:		
34. I here	by certify tha		Elec	ronic Subn For CI	ussion #4 MAREX	37747 Verif ENERGY C	conect as determined by the BLM COMPANY, sent	Well Inforn to the Car	nation S Isbad	t en alla commentation and a second	nuctions):
Name	(please print	AMITHY	E CRAW	FORD	· 		Title	REGULAT	ORY A	NALYST	