FORM 3160-4 ( August 2007)

## UNITED STATEOCD-ARTESIA

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO 1004-0137
Expures July 31, 2010

5 LEASE DESIGNATION AND SERIAL NO

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la Type of We	11 X	Oıl Well	Gas Wel	1	Dry	Other			6	INDIAN ALLO	TTEE OR TRI	BE NAM	Е				
b Type of Completion X New Well Workover Deepen Plug Back Diff Resvr																	
Other										UNIT AGREEM	IENT						
2 Name of Operator											8 FARM OR LEASE NAME						
COG Operating LLC											Almost Heroes 1 Federal #4H						
3 Address 2208 W. Main Street 3a Phone No (include area code)											9 API WELL NO						
	, NM 88210	- 1	30-015-39292														
	Well (Report local	10	10 FIELD NAME														
At surface	375' FSL	& 375'	FWL, Unit	M (S	WSW)				11	Cedar C	anyon; Book						
At top prod Inter	val reported below	w		OR AREA 1 T 24S R 29E													
At total depth	-		i' FWL, Uni	t D. (N	JWNW)				12	COUNTY OF	PARISH 13						
14 Date Spudd		Date T D		(I) (I	16. Date Co	mpleted	11/	21/11	17.	Eddy	(DF, RKB, R	NN T. GR. etc					
8/30/	l l		9/18/11		D & A X Ready to Prod					17. ELEVATIONS (DF, RKB, RT, GR, etc.)* 3096' GR 3113' KB							
18 Total Depth	MD	12701'	19 Plug ba	ck T D	MD	126	70'	20 De	pth Bridge	e Plug Set M	D						
	TVD	8256'			TVD	825	6'			T	VD						
21 Type El	ectric & other Log	gs Run (Sut							as well con	لکا	ш	s (Submi					
			DLL, DSI	N					as DST ru	쓰	닏	es (Submi	• /				
23 Casing a	and Liner Record	(Report all	strings set in we	7)					rectional S	Survey? N	o X Y	es (Submi					
Hole Size	Size/ Grade	Wt. (#		(MD)	Bottom(MI	Stage Ce		No of Sks		Slurry Vol (Bb	l) Cement T	on* At	nount Pulled				
17 1/2"	13 3/8" J55	<u> </u>			408'	Dep	Depth of Ce			(20							
12 1/4"	9 5/8" J55	36			3193'	<del>                                     </del>			SX SX		0 0		None None				
7 7/8"	5 1/2" P110				12701'			2100 sx			<del> </del>		None				
24 77 1 1		<u></u>									<u> </u>						
24 Tubing l Size	Depth Set (M	D) Pacl	er Depth (MD)	Sı	ize D	epth Set (MD)	Packer I	Depth (MD)	s	ize De	oth Set (MD)	Packer	Depth (MD)				
None													·				
	ng Intervals				26												
	Formation		Top 8615'		ottom         Perforated Inteval         Size           633'         8615-12633'         0.43					No of Holes Perf Status  368 Open							
A) Bone Spring 8615' B)					)33	8013-12	033	<del>-   - '</del>	.43	Joe Open							
C)								+		10	From As						
D)										10	TEUE	= 1 1/1	=171				
	cture Treatment,	Cement Squ	ueeze, Etc				A	17	* ·1		DEC Z	#1 204	-				
	epth Interval 15-12633'		Acdz w/287	28 gal	7 1/2%: F			d Type of N		gal fluid	g	V 201	<del></del>				
	12000			<del> 8</del>	, ,,,,,	100 11/2020	00011 00		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		iocu ,	ARTE	SIA				
					Acc	cepted	for r	ecor:	1	RECL	AMA	MU	<u> </u>				
					-10	<del>S. NM</del>	<del>)()</del>			DUE	5.21.	- 1.3					
28 Producti	on- Interval A					21244****					<del></del>						
Date First	Test Date	Hours	Test	Oıl	Gas	Water	Oıl Gravı	-	is	Production	Method						
Produced 12/3/11	12/4/11	Tested 24	Production	вы 307	MCF 1030	Bbl Corr AF 2277		PI Gravity									
Choke Size	Tbg. Press	Csg	24 Hr Rate	Oil Bbl	Gas	Water	Gas Oil	W	ell Status	FPTFN	FOR I	<del>\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\</del>	$\mathcal{H}\mathcal{H}$				
28/64"	Flwg SI	Press 130#			MCF	Bbl	Ratio	1	100		Produc	ing `					
	on- Interval B	1.50#					.1			<del>                                     </del>	<del>-</del>						
Date First	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravi	· 11		PDECor	Metrod 20						
Produced	1	Tested	Production	Bbl	MCF	Bbl	Corr AP	ı Kir	avity	1 1/1/	2-	,					
Choke Size	Tbg Press	Csg	24 Hr Rate	Oıl Bbl	Gas	Water	Gas. Oil	W	ell Status		Jan -		N.T				
	Flwg SI	Press	—		MCF	Bbl	Ratio		Β⁄Ú	READ OF L	AND MAN	AGEME	NI I				
* See instructions	and spaces for ad-	ditional dat						- 4		CARLSBA	FIELD O	<u> </u>					

28b Produc	tion- Interv	al C													
Date First Produced	Test Date		Hours Tested	Test Production	Oil Bbl	Gas MCF	Water Bbl		Gravity τ API	Gas Gravity	Production Meth	od			
Choke Size	Tbg. Pres Flwg SI		Csg Press	24 Hr Rate	Oıl Bbl	Gas MCF	Water Bbl	Gas Rat	o Oil	Well Status	tus				
28c Produc	tion- Interv	al D		<u></u>			L	L.		. •					
Date First Produced	Test Date		Hours Tested	Test Production	Oıl Bbl	Gas MCF	Water Bhl		Gravity T API	Gas Gravity	Production Meth	od			
Choke Size	Tbg Pres Flwg SI		Csg Press	24 Hr Rate	Oıl Bbl	Gas MCF	Water Bhl	Gas Rat	oll	Well Status					
29 Disposition Sold	of Gas (So.	ld, used j	for fuel, ver		<u> </u>		1		_						
	portant zor	es of po	rosity and c	ontents thereo		rvals and all d		ts,	31 Forma	ation (Log) Marke	ers				
Forma	ntion	Тор	Bott	om	Descriptions Contents, Etc				Name				Тор		
			_		Descriptions contents, are							Measured Depth			
Delaware 3290' 6983' 6984' 12701'								Top of Bottom Delawa Bone S	of Salt re			485' 3154' 3290' 6984'			
32 Additiona	al remarks	(ınclud	e pluggini	g procedure)			<del></del>					TD	1270	01'	
											-	J III	1 - 1	発売を	
											1			OTTO ARE	
												U	* (2)		
										- · · · · · · · · · · · · · · · · · · ·					
	vhich item				ng a check	in the approp Geologic Rep		es	DST R	eport	X Directional S	urvey			
	fotice for plu					Core Analysis			X Other	Deviation F	_				
34 I hereby cer	tify that the	foregon	ng and attac	hed information	on is complet	e and correct a	as determine	d from	all avaılable	records (see attac	ched instructions)*		•		
Name (plea	se print)	Stormi	Davis	0		<del></del>	Tıtl	le <u>R</u> e	egulatory	/ Analyst					
Signature	3	Cor	$\geq$	Dar	us		Dat	te							
Title 18 U S C Sec ststements or repres					a crime for an	y person knowin	gly and willfu	ılly to ma	ake to any dep	artment or agency of	f the United States any	false, fictitio	ous or fraudu	lent	

(Continued on page 3) (Form 3160-4, page 2)