Form 3160-4 (March 2012)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG NMOCD ARTESIA Serial No

Type of Completion Cheer		441			LL 110		LOOM LL							NML	C-029	395B		
Chief Coponing Comparison Coponing											_	6 If Indian, Allottee or Tribe Name						
Appache Corporation (873)													7 Unit or CA Agreement Name and No					
	Name of Operator Apache Corporation (873)											Lee	Lee Federal #059 (308720)					
Second S																		
At surface At tup proof, interval reported below At tup proof, interval reported below At tup proof, interval reported below At total depth At tup proof, interval reported below At total depth At tot												10. Field and Pool or Exploratory						
At You'd depth														11 Sec. T. R. M. on Block and				
At baid deght 15 Date T.D. Reached 16 Dele Completed 17 Elevations (DF, RKB, RT, GL)* 16 Dele Completed 17 Elevations (DF, RKB, RT, GL)* 17 El	At top prod. interval reported below											1			•	or Parish		
106/11/2012																(D.D. D.)		
18 Total Depth MD 6412 19 Plug Back T D. MD 6375 10 10 10 10 10 10 10 1		14 Date Spudded 15. Date T.D. Reached 16 Date Completed																
22		pth MD		2'		19 Ph		MD 6375					dge Plug	Set:	MD			
BHC/HNG/CN/H-Res LUCAL/CBL	21. Type El			nanical L	ogs Run	(Submit co		VD			22 W	/as well	cored?			Yes (Submi	t analysis	·)
Rele Size Size Grade Wit (#/ft) Top (MD) Bottom (MD) Stage Cementer Top of Cement (JBL) Cement Top* Amount Pulled Try-1/2* 13-3/8* 48# 288 750 sx Class C Surface Surface Top of Cement Top* Surface Surface Top of Cement Top* Top of Cement																		
Type of Cement Cibic Colored Cibic Cibic Colored Cibic Colored Cibic Cibic Color		T						Stage (Cementer	No	of Sks	&	Slurry	Vol.				
117" 8-5/8" 32# 3523' 1370 sx Class C Surface		 			1) 1	op (MD)	—— <u>`</u>					of Cement (BE			 		A	mount Pulled
7-7/8" 5-1/2" 17# 6412' 1120 sx Class C 500' 24. Tubing Record Size Depth Set (MD) Packer Depth (MD) Size Depth (MD) Size Depth Set (MD) Packer Depth (MD) 25. Producing Intervals															 			
24. Tubing Record					_					 					+		· -	
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Packer Depth (MD)	1-110	0 1/2					0412			1120	3x Ola	33 0			300			
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Packer Depth (MD)		-																
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Packer Depth (MD)	24 Tubing	Record								L								
25 Producing Intervals 26 Perforation Record Perforated Interval Size No Holes Perf. Status	Size	Depth	Set (MI	D) Pa	acker Dep	th (MD)	Size	Depth S	Set (MD)	Packer	Depth (MD)	Sız	e	Dept	h Set (MD)	Pa	cker Depth (MD)
Formation Top Bottom Perforated Interval Size No Holes Perf. Status						-		26 P	erforation	Decord							J	
B) Upper Blinebry 5233' 5150'-5595' 1 SPF 25 Producing	23 Hodden				ı	Гор	Bottom					S	ıze	No	Holes	T	Perf. S	Status
C) Glorieta/Paddock D) 27 Acid, Fracture, Treatment, Cement Squeeze, etc Depth Interval Lower Blinebry 160,398 gals 20#, 201,314# sand, 3730 gals acid, 4544 gals gel Upper Blinebry 160,776 gals 20#, 197,655# sand, 3016 gals acid, 3998 gals gel Upper Blinebry 160,776 gals 20#, 198,643# sand, 3486 gals acid, 4452 gals gel 162,498 gals 20#, 198,643# sand, 3486 gals acid, 4452 gals gel 28 Production - Interval A Date First Test Date Tested Production BBL MCF BBL Corr. API Gravity Gravity Produced Size Five Five Froduced Tested Production BBL MCF BBL Ratio Production Method Gravity Ratio Production Method Gravity Production Method Gravity Production BBL MCF BBL Ratio Production Method Gravity Gravity Production Method Gravity Gravity Production Method Gravity Gravity Gravity SEP 2 2 2018 **Mater BBL MCF BBL Ratio Well Status Account Account BBL MCF BBL Ratio BBL MCF BBL Ratio Production Method Gravity					5233'			5703'-6078'				1 SPF 24				Producing		
D) 27 Acid, Fracture, Treatment, Cement Squeeze, etc Depth Interval Lower Blinebry 160,398 gals 20#, 201,314# sand, 3730 gals acid, 4544 gals gel Upper Blinebry 160,776 gals 20#, 197,655# sand, 3016 gals acid, 3998 gals gel RECLAMATION 162,498 gals 20#, 198,643# sand, 3486 gals acid, 4452 gals gel DIE / 27 / 3 28 Production - Interval A Date First Test Date Hours Test Production BBL MCF BBL Corr. API Gravity Gravity Pump 07/27/12 08/23/12 24 Production BBL MCF BBL Ratio Producing Press. Rate BBL MCF BBL Ratio Producing Press. Rate BBL MCF BBL Corr API Gravity Gravity Producing Producing Production BBL MCF BBL Ratio Producing Production BBL MCF BBL Corr API Gravity Gravity Producing Producing Producing Producing Producing Producing Producing Production BBL MCF BBL Corr API Gravity Gravity Producing Pro					 										Producin	Producing		
27 Acid, Fracture, Treatment, Cement Squeeze, etc Depth Interval D		a/Paddocl	<u> </u>		4610'/4	1668'		4605'-5	4605'-5058'			1 SPF 2		28	28 Producing		g	
Depth Interval Lower Blinebry 160,398 gals 20#, 201,314# sand, 3730 gals acid, 4544 gals gel Upper Blinebry 160,776 gals 20#, 197,658# sand, 3016 gals acid, 3998 gals gel Glorieta/Paddock 162,498 gals 20#, 198,643# sand, 3486 gals acid, 4452 gals gel 28 Production - Interval A Date First Produced 07/27/12 08/23/12 08/23/12 08/23/12 08/23/12 08/23/12 100 100 100 100 100 100 100		racture. Tre	atment.	Cemen] : Saueeze	etc		Щ						1		<u> </u>		
Test Date Test													laterial					
Glorieta/Paddock 162,498 gals 20#, 198,643# sand, 3486 gals acid, 4452 gals gel 162,498 gals 20#, 198,643# sand, 3486 gals acid, 4452 gals gel 162,498 gals 20#, 198,643# sand, 3486 gals acid, 4452 gals gel 162,498 gals 20#, 198,643# sand, 3486 gals acid, 4452 gals gel 162,498 gals 20#, 198,643# sand, 3486 gals acid, 4452 gals gel 1728 Production - Interval A 1729 Date First Production - Interval B 1720 Date First Production - Interval B 1721 Date First Production - Interval B 1722 Date First Production - Interval B 1723 Production - Interval B 1723 Production Method Pump 1723 Production - Interval B 1723 Production Method Production Production Method Production Method Production Method Production Production Ball MCF Ball Corr API Gravity Gas 1723 Production Method Production Method Production Method Production Production Ball MCF Ball Ratio Production Method Production Method Production Production Ball MCF Ball Ratio Production Method Production Method Production Production Method Production Method Production Method Production Method Production Production Method Production Method Production Production Production Method Production Production Production Method Production																	MA	TION_
28 Production - Interval A Date First Test Date Hours Tested Production BBL MCF BBL Corr. API Gravity Pump O7/27/12 08/23/12 24															100		.27	7-/7
Date First Produced Tested Production Test Date Production Tested O1/27/12 08/23/12 24 235 405 176 37.5 Choke Tbg Press. Csg Fiwg SI Tested Press. Tested Size First Test Date Production Test Date D	Giorieta/F	addock			102,49	8 gais 20	#, 198,643# Sa	na, 3486 g	gais acid,	4452	gais ge	-				UFL	<u> </u>	
Produced O7/27/12 08/23/12 24	28 Product		al A															
O7/27/12 08/23/12 24 Choke Tbg Press. Csg Flwg Press. SI Production - Interval B Date First Test Date Hours Tested Production BBL MCF		Test Date													1ethod			
Choke Tbg Press. Csg Press. Rate BBL MCF BBL Ratio Production - Interval B Date First Produced Tbg. Press Csg Flwg. Size		08/23/12			_		1 1			rı	Gi	avity	Pul	пр				
Size Flwg SI Press. Rate BBL MCF BBL Ratio 1723 ACCEPTED FOR RECORD 28a Production - Interval B Date First Test Date Hours Tested Production BBL MCF BBL Corr API Gravity Choke Tbg. Press Csg Flwg. Size Flwg. SI *(See unstructions and spaces for additional data on page 2)	Choke			24	Hr.						— We	ell Statu	ıs					
28a Production - Interval B Date First Test Date Hours Tested Production BBL MCF BBL Corr API Gravity Choke Tbg. Press Csg Press Csg Press Csg Size Flwg. Size Flwg	Size	Flwg				1	l l											1
28a Production - Interval B Date First				-	→		1	1	1723									
Produced Tested Production BBL MCF BBL Corr API Gravity Choke Tbg. Press Csg Plwg. Press. Rate BBL MCF BBL Ratio *(See unstructions and spaces for additional data on page 2)				hr	n#	 	Gas F	Nota-	10.1.0								_ <u> </u>	
Choke Tbg. Press Csg 24 Hr Oil Gas Water Gas/Oil Ratio *(See instructions and spaces for additional data on page 2)		1 cst Date		Pro	duction													
Choke 11 bg. Press Csg 24 Hr Oil Gas Water Gas/Oil Well Status Size Flwg. Press. Rate BBL MCF BBL Ratio Well Status SI *(See Instructions and spaces for additional data on page 2)	Chales	The De-	Car			6.1			10 10 1				1 5	EP :	2 2	2012		
*(See instructions and spaces for additional data on page 2)		Flwg.									We	ell Statu	is /	1/	, _			
*(See instructions and spaces for additional data on page 2)		21	1	-	→						\parallel		1	- (22)		1	TNT	
	*(See instr	ructions and	spaces	for add	itional da	ta on page	2)				-4-	100	HIZAU.	OF TV	nii Mi	TURFILL MIT	_1 1 1	1



	iction - Intel Test Date	rval C Hours	Test	Oil	Gas	Water	Oil Gravity	Gas		Production Method			
Produced	l out Buto	Tested	Production	BBL	MCF	BBL	Corr API	Gravity	,				
-	Tbg. Press Flwg SI	Csg. Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oıl Ratio	Well St	tatus				
28c Produ	ıctıon - Inte	rval D		<u> </u>									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr API	Gas Gravity	1	Production Method			
Choke Size	Tbg. Press Flwg SI	Csg Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well S	tatus	is			
29 Dispos	sition of Gas	s (Solid, u	sed for fuel, ve	ented, etc.)		I	l						
30. Sumn	nary of Porc	ous Zones	(Include Aqu	ifers):				31 Fc	rmatio	on (Log) Markers			
Show a includi	ng depth in	t zones of terval teste	porosity and c	ontents the	ereof: Cored ol open, flowi	intervals and al ng and shut-in	Il drill-stem tests pressures and	,					
For	Formation		Bottom		Des	criptions, Conte	ents etc			Name	Тор		
Tornation		Тор	Domoni							Meas Depth			
								Rustle Yates	r		239' 1504'		
								Seven Bower	Rivers s SD		1795' 2175'		
								Queer Grayb			2392' 2730'		
								San Ai Gloriet			3099' 4610'		
								Paddo Yeso	ck		4668' 4668'		
								Blinebr Tubb	У		5233' 6173'		
32 Addu	tional remar	ks (includ	e plugging pro	ocedure)									
33 Indica	ate which ite	ems have I	peen attached	by placing	a check in the	appropriate be	oxes.						
✓ Ele	ctrical/Mech	anıcal Log	s (1 full set req	'd)		Geologic Repo	ort 🔲 D	ST Report		✓ Directional Survey			
Sur	dry Notice f	or plugging	g and cement v	erification		Core Analysis	Z O	ther. OCD Fo	rms C	C-102, C-104, & Frac Disclos	sure		
34 I here	by certify th	nat the for	egoing and att	ached info	rmation is cor	nplete and corr	rect as determine	d from all avail	able re	ecords (see attached instructions)	*		
	lame (please	e print) F	atima Vasqu	iez			Title Regul Date 08/29	latory Tech I /2012					
Title 18 U	S C Section	on 1001 an	d Title 43 U S	C Section	1 1212, make	it a crime for a	iny person knowi	ngly and willfu	ılly to	make to any department or agenc	cy of the United States any		
	d on page 3						Januaronon,				(Form 3160-4, page 2)		