						Ne	w Mexico	• ();	ener 1. stander		egen i								
							· · · ·	Ĩ.		84776	าสถางสี่ว	afer na		i se se se se					
E 3460 -						•••	UNITED S		Horida.	M	~~~ <b>∞.</b> √⊺ <u>2</u> 13	ध्यत्र । २ % - १९ लेख्							
Form 3160-4 (August 1999)					ın.	ΓΟΛΟ	UNITED S XTMENT O		ES NITE		ີ ເດີຍ ເຫ	an est					FORM AI		
( <b>g</b>					.01		EAU OF LAN				JK						OMB NO. pires: Nov		
			WEL	LCO	MPLET	ION 0			ETION RI	EPO	RT A				5. Lease S			ember 30,	, 2000
															LC-03				
1a. Type of We	ell:						···		· · · · · · · · · · · · · · · · · · ·	1						_	tee or Tribe	Name	
	⊡ Oil	Well			🗌 Gas	Well	🗌 Dry	(	🗌 Ot	her									
b. Type of Cor									r	-		<b>—</b>	_		7. Unit or	CA Ag	eement Na	me and N	o,
		her	:11		U Worl	kover	De	epen	🔲 Plu	ug Ba	ick	Diff.	Resvr.						
		lei		<u></u>			···										d Well No.		
2. Name of Op	erator				<u> </u>		· · · · · · · · · · · · · · · · · · ·								Hawk 9. api w		. /		
Apache C	Corpor	ation													30-02		951		
3. Address									1	3a. Ph		nclude area co					, or Explor	atory	
6120 S. Y	(ale, S	uite	1500,	Tulsa	<u>, OK 7</u>	4136					918-4	<u>491-4957</u>	7				elly; G		
							ral requirements) W/4) Unit (								1		I., or Block		ey or Area
At surface	<i>33</i> 0 1	INL (	0 1030	U F W		4, IN 1	w/4) Unit C	-							Sec. 8	, T-2	1S,R37	7E	
At top prod.	interval re	ported t	below												12. Count	y or Par	ish		13. State
																Lea	Ca		NM
At total dep 14. Date Spudo					e T.D. Read			-											
IT. Date optic		22/20	002	15. Da	8/28/2				16. Date Con			🗹 Read	v to Pr	oduce	17. Eleva	tions (D	F, RKB, R1	(, GL) •	
					0.20.2					~ ~			09/17			35	36'	GL	
18. Total Depti	r	MD		4200	,	19. Plu	g Back T.D.:	MD	·	4	154'		من کرد	pth Bridge Plug	Set:		MD		
		TVD						TVD		•							TVD		
21. Type Elect	ric & Othe	r Mecha	mical Logs	Run ( S	ubmit copy	of each )						22. Was w	ell cored	, <u> </u>	] No		Yes	(Submit	analysis)
CN/SGR	/CCL												OST run?		No			(Submit	
													ional Sur		]No		a second s	(Submit	
23. Casing and	Liner Rec	ord (Rep	port all stri	ngs set i	n well)													(00000	
Hole Size	Size/G	rade	Wt. (#	#/fL)	T07 (1	MD)	Bottom (MD)		Stage Cemente	ar 🛛		of Sks. &	5	Slurry Vol.	Cement	Top*		Amou	nt Pulled
				-				<b> </b>	Depth			of Cement		(BBL)	L		ļ		
12-1/4	8-5		24		0		420					350		84	Su		ļ		
<u> </u>	5-1	/2	17	#	0	<b></b> ,	4200					900	+	343	<u>Su</u>	<u>rf</u>			
		-													<u> </u>		[		
								├							<b></b>		<b>.</b>		
						·		<u> </u>					-		<u> </u>				
24. Tubing Rec	ord						L	<u> </u>			l		<u> </u>		1		1		
Size	Der	oth Set (	MD)	Pac	ker Deph (	MD)	Size	1	Depth Set (MD	))	Pa	cker Depth (M	1D)	Size	De	pth Set (	MD)	Pa	cker Depth (MD)
2-7/8		<u>4154</u>	.'																
25. Producing	Intervals Formatic				T			26. P	erforation Reco								r		
Creation		<u></u>			Top		Bottom	1			I Interval			Size	No. H				Status
Grayburg	<u> </u>				776				37	<u> 85 -</u>	4061			_4"	30	9		Prou	lucing
· · · · · · · · · · · · · · · · · · ·	<del>-</del>			<b>.</b>				<u> </u>	<u> </u>		<u>1717 - 1919</u>		+		+		<u> </u>	_	<u></u>
			• • • • • • • • • • • • • • • • • • • •			<u> </u>							+						<u></u>
27. Acid, Fract	ure, Treat	nent, Ce	anent Sque	eze, Etc.		L		1					-J	· · · · · ·	<u> </u>		L		
	Depth Inte	rval									Amou	it and Type of	Material			_			
3785 - 40	)61			Acid	lized w	7.50	0 gals 15%	HC	L										
<u> </u>																			
				Frac	<u>w/ 37,</u>	<u>650 g</u>	als gel & 8	<u>0,00</u>	<u>0# 16/30</u>	san	d								<u> </u>
28. Production	- Internal	A	· ·	L							<u> </u>								
28. Production Date First	- mervai	A Test			Hours	Test		Oil	I	Gas		Water		Oil Gravity	Gas		Production	n Method	
Produced		Date		÷	Tested	Product	ion	BBL		MCF		BBL		Corr. API		vity			
09/17/	/02	9	/30/20	02	24	_		1	24		118	17	6	368	5			Pun	nping
Choke		Tubing			Casing	24 Hour		Oil		Gas		Water		ă a	-	Il Status	ł		
Size		Pressur			Pressure:	Rate		BBL	1	MCF	-	BBI		Ratio (	- i we	in Status			
		Flwg.				_						LOOP	PTE	FOR1	pede	המו	Dr	oducii	na
28a. Production	n . Interus	SI			L	<u> </u>		I				1	r Firm	TI GP41		1 H	S		
Date First	Thick va	Test			Hours	Test		Oil		Gas		orale.	SGÐ	Dir Gravity	IGa	<del>، است</del> ه ا	Troductio	n Method	
Produced		Date			Tested	Product	ion	BBL		MCF	Ì		00T	1 6 <sup>PI</sup> 20	n Gra	vity			
						_	``	1					OCT	1020	02	1			
Choke		Tubing			Casing	24 Hou	· · · · · · · · · · · · · · · · · · ·	Oil		Gas		Water		Gas : Oil		l Status	<u>I</u>		
Size		Pressur			Pressure	Rate	•	BBL		Gas MCF			D.WI	Rate GLA		] <sup>r Saltis</sup>			1
		Flwg.				_		1				PET	ROLP	UM ENG	US LEFR	2			1/
		Si			l	L					è	1		<u>t</u>					/
(See instruction	s and space	es for a	áditional d	ata on re	everse sule)													4	d NI
																			N () NO

lee i	instructions	and	spaces	jor	additional	data	on	reverse	sule
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15 2 5

b Production - Interv										······
te First duced	Test Date	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas	Production Met	hod
	Date	Tested	Production	BBL.	MCF	BBL	Corr. API	Gravity		
	(M.L.)	<u></u>								
e	Tubing Pressure	Caning Pressure	24 Hour Rate	Oil BBL	Gas	Water	Gas : Oil	Well Statu	<u>.                                    </u>	
	Flwg.	11000010		DDL	MCF	BBL,	Ratio			
Production Int	SI									
: Production - Interva te First	Test	Hours	Test	Óil	Gas	Water	01.2			
duced	Date	Tested	Production	BBL	MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Met	bod
								olurity .		
ioke	Tubing	Casing	24 Hour	Oil	Gas	Water		_		
Ze	Pressure	Pressure	Rate	BBL	MCF	BBL	Gas : Oil Ratio	Well Status	5	
	Flwg. Sl									
Disposition of Gas (	old, used for fuel, vented,	etc.)	<u> </u>							
old		•								
Summary of Porous	Zones (Include Aquifers):						31. Formation (Lo	g) Markers		
Show all important	tones of porosity and conte	nts thereof:	Cored intervals and all dr	all-stern			Ì	0,		
tests, including dept and recoveries.	h interval tested, cushion u	sed, time too	I open, flowing and shut-	in pressures						
and iccoveries.										
Formati	nc	Тор	Bottom	Dr	escriptions, Con	tents, Etc.		Name		Тор
		<u> </u>				,				
							Rustler			1348
							Yates			2703
				1			Seven Rive	rs		2959
							Queen			3506
							Grayburg			3776
							San Andres	5		4061
							•			
Additional remarks (	nclude plugging procedure	):	1. <u> </u>							
			· · · · ·		بمودر حجر محرو	e =				
			<u>.</u>		ييودي <del>ج</del> ي مامرين ال	ىم بالەلەت ھ	• -• - • • • •		·	
			· · · ·		بیرود رخون ما در و ا	r ar stander av	<b></b>			
			<u>-</u>		ىمودىو ھەن مەندى	r - Friend - Se	• •• · · • •- ·			
				المعربية المعربية	موديغون مامر	r - Fridan a ar	• •• • • • • • 			
			· · · ·		مود ر <b>ه</b> ی ما در د	بو روینی او	••• · • • • · ·			
			<u>.</u>			ىيە يەيونىڭ 7	• •• · · • • • • · · ·			
Mark enclosed attach	nents:					° Filen	• •• · · • • • • · · ·			
Mark enclosed attach		full set re		Geologic P	Report		Report		innal Suma	
	nents: 1echanical Logs (1	full set r	eq'd.)	Geologic R	Report	 □ost	Report	Direct	ional Survey	· ·
Electrical/N	1echanical Logs (1				·					
Electrical/N				Geologic R	·	DST				
Electrical/N	1echanical Logs (1 tice / Plugging / Ce	ment Ve	rification	Core Analy	ysis	🗹 Othe	Deviation I			
Electrical/N	1echanical Logs (1	ment Ve	rification	Core Analy	ysis	🗹 Othe	Deviation I			
Electrical/N Sundry Not	fechanical Logs (1 dice / Plugging / Ce	ment Ver	rification s complete and correct as	Core Analy	ysis	(see attached instruction	Deviation F	۲pt/NM-(		
Electrical/N	fechanical Logs (1 dice / Plugging / Ce	ment Ve	rification s complete and correct as	Core Analy	ysis	(see attached instruction	Deviation I	۲pt/NM-(		
Electrical/N Sundry Not I hereby certify that the	fechanical Logs (1 dice / Plugging / Ce	ment Ver	rification s complete and correct as	Core Analy	ysis	(see attached instructi	Deviation F	₹pt/NM-(	DCD C-10	
Electrical/N Sundry Not	fechanical Logs (1 dice / Plugging / Ce	ment Ver	rification s complete and correct as	Core Analy	ysis	(see attached instruction	Deviation F	۲pt/NM-(	DCD C-10	
Electrical/N Sundry Not I hereby certify that th Name (plead Signature	fechanical Logs (1 dice / Plugging / Ce	a Coday	rification s complete and correct as	Core Analy	ySiS available records	[√] Othe (see attached instructi 	Deviation F	Kpt/NM-( Tech 0/7/2002	DCD C-10	