			7.77	WEED C	TO A TOTO							
FORM 3160-4 UNITED STATES DEPARTMENT OF THE INTERIOR									FORM APPROVED			
(April 2004)			OMB NO. 1004-0137									
	BU		Expires: March 31, 2007									
WEI	ETION		5. LEASE DESIGNATION AND SERIAL NO.									
								[7	0198001	3	
a. Type of Well	Oil W	ell X	Gas Well	Dry	Other			i	5. INDIAN ALLOT			
b. Type of Comple		New Well	X Workov		Deepen	Plug Back	Diff. R	lesvt.	Jicaril	la Apache	e Tribe	
	L	1	'''۔۔۔''	L			Ţ		7. UNIT AGREEM	_		
		Other	·	2006	3 JUN 20) PM 3	32	_				
. Name of Operato	or								B. FARM OR LEAS	E NAME		
Black Hills G	Sas Resources	5			RF	CEIVED			icasilla	3m - 117	- Z 7#7	
3. Address						PHone No (include are	code)		9. API WELL NO.	30-05	3-33#2	
. Padress				(070 FRR	1111110101						
	PO Box 249					505 634-	1111			<u>-039-260</u>	30	
. Location of We	ll (Report location ci	learly and in a	eccordance with	rederal requir	rements) *				10. FIELD NAME	_		
At surface	Sac 22	T20N	D233/ 704) TATE 4	5921 EVIJE	NW NW Unit	n		East Bla			
	sec 33,	, LJUIN, .	NJ 47 /U2	. FINL, 3	JOJ FWL,	14 44 14 44 OIII			11. SEC. T, R, M., OR AREA	UR BLOCK A	ND SURVEY	
At top prod. Interval reported below												
		Sam	e as surf		.						i I	
At total depth 4. Date Spudded	T14	Date T.D. Re	ached	Same as s	urface 6. Date Complete	ed			Rio Ar		NM	
Date Spudded	13.	⊅aιτ 1.D. Kα	ALLIAN .	ا	o. Date Complete D &		Prod		LLEVATIONS	(, N.A.D, K.I	, 121, 111.)	
11/0/14	1000	4.	1/4/1000		D &	•				70621 🕾		
11/26/1 18. Total Depth:			2/6/1998 19. Plug ba	ck T.D.		5/9/2000		pth Bridge Pl	C.4.	7063' GL		
.s. Total Depth:	MD	3900'	19. Flug ba	UK 1.15.:	MD	3635'	20. 10	pui Bridge F	ag set: MD		3635'	
	TVD				TVD		,		TVD			
21. Type E	lectric & other	Logs Run ((Submit a co	py of each)			22. W	s well cored	Y No	Yes	(Submit analysis)	
							l wa	ss DST run?	X No	Yes	(Submit report)	
			Dir	rectional Sur	===	X Yes	(Submit copy)					
		4 ==							<u> </u>	<u>~~</u>		
23. Casing	and Liner Reco	rd (Report	all strings s	et in well)		·	Ţ		, ,			
Hole Size	Size/ Grade	Wt. (#/	ft.) To	p (MD)	Bottom(MD)	Stage Cementer Depth	No. of Sks.		Slurry Vol. (Bbl)	Cement To	p* Amount Pulled	
							Cem		,			
12 1/4"	8 5/8"	24 1		Surf	534'		350			Surf		
7 7/8"	5 1/2"	15.5	ID S	Surf	3876'		885 sx, 95	sx to surf		Surf		
		-		\longrightarrow			 					
				<u>_</u>		ļ	1					
	ļ											
	l					<u></u>	1					
24. Tubing	Record											
Size	Depth Set (MD	Paci	er Depth (MD)	Size	Dept	th Set (MD) Pack	er Depth (MD)	Si	ze Depti	Set (MD)	Packer Depth (MD)	
2 3/8"	=3629	36 B3	NA									
25. Produc	ing Intervals				26.	Perforation Recor	đ					
	Formation		Тор	Botto		Perforated Inteval		Size	No. of Holes		Perf. Status	
	ictured Cliffs		3595 3617		7	3595-3617		43"	44 O		pen to Prod	
	ictured Cliffs		3641	368		41-3657, 3676-368).43	52		nder CIBP	
				T								
C)				1			+					
									1			
D)	motum Teach	nt Car	· Consers	to								
D) 27. Acid,F i	racture Treatme	nt, Cemen	t Squeeze, E	tc.								
D) 27. Acid,F 1 D	racture Treatme						t and Type of M	laterial				
D) 27. Acid,F 1 D		A	cidize with	650 gallon	ıs 7 1/2% HC	l acid.						
D) Acid,Fi D 27. Acid,Fi D 23595-3686		A	cidize with	650 gallon					te 19.8 bpm, a	vg press 25	16.psifi 732425	
D) 27. Acid,Fi D 3595-3686		A	cidize with	650 gallon		l acid.			te 19.8 bpm, a		16. psi 7/73/24/25	
D) 27. Acid,Fi D 3595-3686		A	cidize with	650 gallon		l acid.			te 19.8 bpm, a		800 V	
D) 27. Acid,Fr D 3595-3686	Depth Interval	A	cidize with	650 gallon		l acid.			te 19.8 bpm, a	<u>L</u>		
D) 27. Acid,Fr D 3595-3686 3595-3686		A	cidize with racwith 145	650 gallon	0 sand & 9500	l acid. 00 gallons 75 qua	ity N2 foan	a. Avg ra		\$27.21.	IUN SOOF	
D) 27. Acid,Fr D 3595-3686 3595-3686 28. Produc Date First	epth Interval	A F	cidize with racwith 145	650 gallon 5000# 20/40		l acid.	ity N2 foan		te 19.8 bpm, a	\$27.21.		
27. Acid,Fr 28. Produc Date First	epth Interval	A F	cidize with racwith 145	650 gallon 5000# 20/40	0 sand & 9500	l acid. 00 gallons 75 quai	ity N2 foan	a. Avg ra		\$27.21.	IN 2008	
27. Acid,Fr 27. Acid,Fr 28. Produc 28. Produc 28. Produc 28. Produc 29. Produced	tion- Interval A Test Date 2/1/2006 Tbg. Press	A F	d Test	650 gallon 5000# 20/40	Gas MCF	l acid. 00 gallons 75 quai Water Oil Gra Bbl Corr. A	ity N2 foan	a. Avg ra		thod state	NUN 2006	
27. Acid,Fr 27. Acid,Fr 28. Produc Date First Produced Ready	tion- Interval A Test Date 2/1/2006 Tbg. Press Flwg.	A F	d Test	650 gallon 6000# 20/40 Oil Bbl	Gas MCF Gas MCF Gas MCF	Water Oil Grabbl Corr. A Water Gas: Oil Bbl	ity N2 foan	a. Avg ra		thod	IUN 2008	
D) 27. Acid,Fr D 3595-3686 3595-3686 28. Produc Date First Produced Ready	tion- Interval A Test Date 2/1/2006 Tbg. Press	A F	d Test	650 gallon 6000# 20/40 Oil Bbl	Gas MCF	Water Oil Gra Bbl Corr. A 9 Water Gas: Oi	ity N2 foan	a. Avg ra	Production Me	flowing Shut in	ing District	
D) 27. Acid,Fi D 3595-3686 3595-3686 28. Produc Date First Produced Ready Choke Size 3/4"	tion- Interval A Test Date 2/1/2006 Tbg. Press Flwg.	A F	d Test	650 gallon 6000# 20/40 Oil Bbl	Gas MCF Gas MCF Gas MCF	Water Oil Grabbl Corr. A Water Gas: Oil Bbl	ity N2 foan	a. Avg ra	Production Me	flowing Shut in	IUN 2008	
D) 27. Acid,Fi D 28. Produc Date First Choke Size 3/4" 28a. Produc Date First	ction- Interval A Test Date 2/1/2006 Tbg. Press Flwg. SI 25 psi	A F	d Test Production	650 gallon 6000# 20/40 Oil Bbl	Gas MCF Gas MCF Gas MCF	Water Oil Gra Bbl Corr. A 9 Water Gas: Oi Bbl 72	ity N2 foan vity Ga Ratio \(\)	a. Avg ra	Production Me	flowi Shur in	ing District	
3595-3686 3595-3686 28. Produc Date First Produced Ready Choke Size 3/4"	tion- Interval A Test Date 2/1/2006 Tbg. Press Flwg. Sl 25 psi tion- Interval B	Hours Teste 3 Csg Press	d Test Production 24 Hr. Rate	650 gallon 6000# 20/40 Oil Bbl Oil Bbl	Gas MCF 72 Gas MCF 579	Water Oil Grabbl Corr. A 9 Water Gas: Oil Bbl 72	ity N2 foan vity Ga Ratio \(\)	s Gravity Well Status	Production Me	flow Shut in	IUN 2006	
D) 27. Acid,Fi D 3595-3686 3595-3686 28. Produc Date First Produced Ready Choke Size 3/4" 28a. Produc Date First Produced	tion- Interval A Test Date 2/1/2006 Tbg. Press Flwg. SI 25 psi ttion- Interval B Test Date	Hours Teste 3 Csg Press	d Test Production 24 Hr. Rate d Test Production	650 gallon 6000# 20/40 Oil Bbl Oil Bbl	Gas MCF Gas MCF 579 Gas MCF	Water Oil Gra Bbl Corr. A Water Bbl Gas: Oil Bbl Gra Water Gas: Oil Bbl Corr. A	rity Ga	s Gravity Well Status	Production Me	flowi Shur in	IUN 2006	
D) 27. Acid,Fi D 3595-3686 3595-3686 28. Produc Date First Produced Ready Choke Size 3/4" 28a. Produc Date First	tion- Interval A Test Date 2/1/2006 Tbg. Press Flwg. Sl 25 psi tion- Interval B Test Date	Hours Teste 3 Csg Press	d Test Production 24 Hr. Rate d Test Production	650 gallon 6000# 20/40 Oil Bbl Oil Bbl	Gas MCF 72 Gas MCF 579	Water Oil Grabbl Corr. A Water Gas: Oil Grabbl Corr. A	rity Ga	s Gravity Well Status	Production Me	flow Shut in	IUN 2006	
D) 27. Acid,Fi D 3595-3686 3595-3686 28. Produc Date First Produced Ready Choke Size 3/4" 28a. Produc Date First Produced	tion- Interval A Test Date 2/1/2006 Tbg. Press Flwg. SI 25 psi ttion- Interval B Test Date	Hours Teste 3 Csg Press	d Test Production 24 Hr. Rate d Test Production	650 gallon 6000# 20/40 Oil Bbl Oil Bbl	Gas MCF Gas MCF 579 Gas MCF	Water Oil Gra Bbl Corr. A Water Bbl Gas: Oil Bbl Gra Water Gas: Oil Bbl Corr. A	rity Ga	s Gravity Well Status	Production Me	flow Shut in	IN 2006 INGELECTOR 2 2006 VENDOFFICE	
D) 27. Acid,Fi D 28. Produc Date First Produced Ready Choke Size 3/4" 28a. Produc Date First Produced Choke Size	tion- Interval A Test Date 2/1/2006 Tbg. Press Flwg. Sl 25 psi tion- Interval B Test Date	Hours Teste 3 Csg Press Csg Press	d Test Production 24 Hr. Rate d Test Production	650 gallon 6000# 20/40 Oil Bbl Oil Bbl	Gas MCF Gas MCF 579 Gas MCF	Water Oil Grabbl Corr. A Water Gas: Oil Grabbl Corr. A	rity Ga	s Gravity Well Status	Production Me	flowing Shut in the control of the c	IN 2006 INGELECTOR 2 2006 VENDOFFICE	

28b. Production- Interval C												
Date First Produced	ate First Test Date I		Hours Tested Test		Oil Bbl	Gas MCF	Water Bbl		Gravity : API	Gas Gravity	Production Method	
11000000				Production			1					
Choke Size	Tbg. Press	c	sg Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water	Gas:	Oil Ratio	Well Status	<u> </u>	
	Flwg. SI				1		Вы	1				
							_i					
	tion- Inte		ours Tested	Trest	Oil Bbl	Gas MCF	Water	loa	Gravity	Gas Gravity	Production Method	
Date First Produced	168 Date	ľ	outs resteu	Production	Dil Bill	Gas Mcr	Bbl		r. API	Cas Cravity	1 roduction rection	
				\rightarrow								
Choke Size	Tbg. Press Flwg.	C	sg Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water Bbl	Gas	Oil Ratio	Well Status		
	SI				.		201					
29. Disposition of Gas (Sold, used for fuel, vented, etc.)												
Vent												
30. Summary	of Porou			quifers):					31. Form	ation (Log) Mar	kers:	
Show all impo	ortant zones	of porosity	and contents	thereof: Core	l intervals and a		ts, including d	epth		. •/		
interval tested,	cushion us	ed, time too	l open, flowi	ng and shut-in	pressures and re	ecoveries.						
		_	T		_				-			Тор
Formation		Тор	Botto	om	Descriptions Contents, Etc.					Name	Measured Depth	
San Jose	Jose 1476 1698		Gas	Gas						1460		
Ojo Alamo				Gas						to	2034	
Pictured Cliff	·		3686	Gas					Ojo Alam	10		3098
					-				Kirtland			3322
1									Pictured (Cliffs		3595
									Lewis			3698
1												
1												
32. Additiona	l remark	s (include	plugging	procedure):							-
Jicarilla 3	0-03-33	#2 was c	ompleted	i in the Pic						e Pictured Cliff	S	
is to be D			-									
		_				ا الم	the	تل	على الأ	t t		
					1.	y W L	Bord	ر الأس	ut "	ilev.		
is to be DH commingled with the Tertiary. This well is the law to be a stropped by placing a shock in the amount of back.												
33. Indicate which items have been attached by placing a check in the appropriate boxes:												
Electrical/ Mechanical Logs (1 full set required) Geologic Report DST Report Directional Survey												
Sundry Notice for plugging and cement verification Core Analysis Other:												
34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*												
Name (please print) Loren Diede Title Consultant (Agent)												
- ·	F		\mathcal{D}			-					a	
Signature			Zu_	1	\sim		Da	te	6-1	9-06		
	'		,									

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.