Form 3160-4 (September 2001)

## UNITED STATES

DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB NO. 1004-0137

						JF LAND M					,			E			ary 31, 2004	
	WE	LL C	OMPI	_ETI	ON OR	RECOMPI	LETI	ON RE	EPORT	AND	LOG/				e Serial	-		~
					-								Jic	arilla C	ontract 46	50		
la. Type o	f Well	Oi					Other				per la		ı	6. If Ind	dian, Allo	itee	or Tribe Name	
b. Type of Completion:												Jicarilla Apache Tribe						
Other												'	7. Unit or CA Agreement Name and No.					
2. Name o	f Operator												<u> </u>	183				
Black Hills Gas Resources, Inc												8. Lease Name and Well No.						
3. Addres		11003, 11						1	3a Phone	No line	lude area	code	_		0-16 No.			
	a Street, Su	ite 400		G	olden, CO	80401			720-210-13	10	Whij	25	1	9. API	Well No	٠.		
			locatio			accordance wi	th Fed				- O		• —	039-25				
					-				TO.	11	7/3	, ',	~.~'.\				Exploratory	
At surface 840' FSL & 1180' FWL (SWSW) Unit M												W 2 k		Canyon, T				
Atton	prod inter	val repo	orted he	low	840' FS1 &	1180' FWL (S	เพรพ	V) Unit N	1				[세] [1	or A	, I., K., Area_	M., 6	on Block and S 30N-R03W	urvey
	prod. iii.di	тип тор	01100 01		0.40 102 00	1100 1 11 2 (	,, ,	· / Ollic iv	, 122	ن دون کارنی میگر		,	≋ L		Sec.		30N-R03W 13. State	
At tota	il depth 84	10' FSL	& 1180	) FWI	L (SWSW)	Unit M			As me	1963	. 45		-34	Arriba	•	1211	NM	
14. Date	Spudded		- 1	IS Do	ite T.D. Rea	ched		11	6. Dais	moleted		<del>્ડિંડ</del>		17. Elevations (DF, RKB, RT, GL)*				
14. Date	эричиси			15. Da	ile 1.D. Kee	ciicd		1	d 🗖	` .	Ar Ready	o Pro	Prod.					
3/23/98 3/31/98 3-92-05									4	5 100	72	51' GL						
8. Total	Depth: M				19.	Plug Back T					20. Dep	h Bri	dge Plug Se		/ID			
		VD 40						TVD 38	41'						VD			
21. Type E	lectric & O	ther M	echanic	al Lo	gs Run (Sul	omit copy of e	ach)				22. Was			M N	_		Submit analysis	()
	DI #											DST		M M			Submit report)	
SDL/DSN,		r Dagor	d /Pan	us all	strings set t	m mall)					Dire	CHOIL	al Survey?	М	<u>.                                    </u>	168 (	Submit copy)	
23. Casing	and Eme	Kecor	u (Kepi	11 011	SITINGS SELL	n wen)		Stage (	Cementer	No. o	f Sks. &	S	lurry Vol.	0			4	
Hole Size	Size/Gr	ade '	Wt. (#/f	ì.)	Top (MD)	Bottom (	MD)		epth		of Cement		(BBL)	Сеп	ent Top*		Amount Pull	ea
12 1/4" 8 5/8" 24					544'				300 & B				circ. 84sx					
	ļ <u>-</u>											<b>_</b>		to	surface	_		
7 7/8"	4 1/2	<u>"   </u>	10.5	-		4049'				8	70 sx	-		1	irc 10sx	-		
	ļ			_								ļ		to	surface	$\dashv$		
	-		· · · · · ·		<del></del>						<del></del>	<del> </del>				$\dashv$		
M. Tubina	Parad			l								<u> </u>						
24. Tubing Size		Set (M	(D) D	o olean	Depth (MD	Size		Donth S	Set (MD)	Docker I	Depth (MD	a I	Size	Dos	oth Set (N	4D)	Packer Depth	(MD)
2 3/8"	_+	3814'	ID) [F			3126		Depuis	et (MID)	racker i	Jepin (ML	7	3126	Del	m set (iv	(L)	racker Deptil	(IVID)
					3814'	<u> </u>		26 Pe	rforation	Record		_l		_!			<u></u>	
25. Producing Intervals  Formation TOP						Bottom			Perforated Interval		Size		No.	No. Holes		Perf. Status		
1 1 -/ 1					3247'	3291'		3247-3291				4 jspf		176			Ореп	
В)	-	<u> </u>																
C)													<u> </u>					
D)															1			•
27. Acid, I	racture, Tr	reatmen	it, Cem	ent Sq	ueeze, Etc.	<del></del>												
Ι	Depth Interv	val							A	mount ar	d Type of	Mater	rial					
														· · · · · · · · · · · · · · · · · · ·		~.	.>	
						·									0	Ξ	ã	
															70	<del>-</del> =	<b>D</b>	
	tion - Inter	,	- Tr		100		Lou-		1010		1.0		1		TI			
Date First Produced	Test Date	Hours Tested	Tes Pro	st duction	Oil BBL	Gas MCF	Wa BBI		Oil Grav Corr. AP		Gas Gravity		Production	Method	A R R			
									1				Flowing			!		
Choke	Tbg. Press.	Csg	24 Rat		Oil	Gas	Wat		Gas: Oil		Well Stat	us	*	ACC		-2	S	
Size	Flgw. St	Press	I NAIL		BBL	MCF	BB	L	Ratio		61			AUL		ď	B RECORD	
8a. Produc	tion - Inter	rval R		4-4-	l						Shut In				ADD A	<b>K</b>		
Date First	Test	Hours	Tes	st	Oil	Gas	Wat	ег	Oil Grav	ity	Gas		Production I	Method	<u> </u>	<b>U</b>	<del>(1113)</del>	
Produced	Date	Tested		duction		MCF	ВВ		Corr. AP.		Gravity		F	ARMI	NGTON	FIR	ED OFFICE	
C1 1	Th D	Call			0.1	<u> </u>	<b> </b>		10. 0.	··				Y		HAF		
Choke Size	Thy Press.	Call Press	Rai	Hr. le	Oil BBL	Gas MCF	Wat BB	ier L	Gas: Oil Ratio		Well Sta	lus			777	W]	** p	

28b. Produ	ction - Inter	rval C			,					· · · · · · · · · · · · · · · · · · ·		
Date First Produced	Test Date	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 Ratio	Well Status	<u>.</u>			
28c. Produc	tion - Inter	rval D	<del></del>	<u> </u>		<u></u>						
Date First Produced	Test Date	Hours Tested	Hours Test Oil : Gas Water Oil Gravity Gas Production Method					Production Method				
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	_ <del></del>	,		
29. Disposi	tion of Gas	s (Sold use	d for fuel, v	ented, etc.)	<u> </u>	<del>-                                    </del>	· · · · · · · · · · · · · · · · · · ·			· ·		
Sold 30. Summa	ry of Poro	us Zones (I	nclude Agu	ifers):				31 Formati	on (Log) Markers			
Show tests, i	all importa	ant zones o	of porosity a	and content	s thereof: C time tool op	ored interva en, flowing	als and all drill-stem and shut-in pressures		on (20g) mando			
Formation		Тор	Bottom	r -	Descri	ptions, Cont	ents, etc.		Name	Top Meas. Depth		
									Ojo Alamo Kirtland Fruitland Pictured Cliffs	3244' 3482' 3665' 3780'		
									Lewis	3885'		
			·		. •							
					• .							
32. Additio	onal remark	cs (include	plugging pro	ocedure):		<del></del> .		<u> </u>				
							•					
								·		: 		
33. Circle 6	enclosed at	tachmente.			_							
1 Elec	ctrical/Mec	hanical Lo	gs (1 full set			eologic Repo ore Analysis	- 1	port 4 D	rirectional Survey			
	y certify th	, .·		tached infor	mation is co	omplete and	correct as determined		able records (see attached instr	uctions)*		
Signatu	ıre <u></u>	llisc	u Ti	Juic	mb		Date <u>3/28/2005</u>					
Title 18 U.S	S.C. Sectio	n 1001 and	Title 43 U	S.C. Section	n 1212 mak	ce it a crime	for any person know	ringly and wills	fully to make to any departme	nt or agency of the United		

in the constant