Form 3160-4 (Accust 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires: November 30, 2000

5. Lease Serial No.

WELL	COMPLETION	AN AD DE	COMPLET	TION DED	OPT AND	LOG
WHII	CCOMPLEIG	JNUKKE	LLIMPI F	I II IN KEP	UKIANI	1111

													rilla Coi			
1a. Type of Well Oil Well Gas Dry Other										6. If Indian, Allottee or Tribe Name						
b. Type of Completion: New Work Over Deepen Plug Back Diff. Resvr.										Jicarilla Apache Tribe						
Other "Black Hills Permit Clean-up Program"											7. Unit or CA Agreement Name and No.					
2 No. 100																
Black Hills Gas Resources, Inc. c/o Mike Pippin LLC (Agent)											8. Lease Name and Well No.					
2 411	Black	Hills G	as Ke	esources, II	nc. (C/O MIKE F				- 4.5		Jicai	Jicarilla 462-26 No.11			
3. Address							3a. Pho		clude area		9. A	PI Well l	No.			
				armington, N			<u> </u>	505-3	327-457	3			30-039-	260	59	
4. Location of	of Well (Repo	ort locatio	ns clear	rly and in accord	lance with Fe	ederal require	ements) *				10.	Field and	Pool, or Ex	plora	tory 12400	
													lanco P	Pictured Cliffs		
1000 TOL W 1000 TEL OMETOOL LO TOUTHOUT												11. Sec., T., R., M., or Block and				
At top prod. interval reported below												Survey or Area I 26 T30N R3W				
•												12. County or Parish 13. State				
At total depti			12.				Table 1	a 1.			Rio Arriba NM					
14. Date Spudded 15. Date T.D. Reached 16. Date Completed 17. Elevations (DF, RKB, RT, GL)* 14. Date Spudded 15. Date T.D. Reached 16. Date Completed 17. Elevations (DF, RKB, RT, GL)*																
11/01/00 11/08/00 11/08/00 7232' GL & 7244' KB																
18. Total Depth: MD 3921' 19. Plug Back T.D.: MD 3873' 20. Depth Bridge Plug Set: MD																
21 Tree El	TV	<u> </u>	inal I ac	gs Run (Submit co	of analy	TVD			122 Wes	well cored?	TYN.	No 🗖	TVD Yes (Sub	mit c	Om()	
INDUCT					opy of each)				1	DST run?		No 🔲	,			
	1011 G D.		,,,,,,,						}	tional Surve			Yes (* *	
23 Casing	and Lines Re	cord (Ren	ort all s	strings set in well	·				٠							
	T	T			7	Stage (ementer	No. of	f Sks. &	Slurry V	ol.	<u> </u>	T*		A	
	Size/Grade	<u> </u>		Top (MD) Bottom (MD) Depth Type of Cen					(BBL)	(BBL)			Amount Pulled			
12-1/4"	8-5/8"	24#		0'	228'				40			0' - circ		0'		
7-7/8"	5-1/2"	17#	-	0,	3921	<u>' </u>	750		50	ļ		0' - circ			_0,	
		ļ														
24. Tubing	Pagord	L			J			<u> </u>								
Size	Depth Se	t (MD)	Packe	er Depth (MD)	Size	Denth S	Depth Set (MD) Packer Depth (MD) S			Siz	ize Depth Set (MD) Packer Set (M				Packer Set (MD)	
2-3/8"	363		A	3556'	5-1/2		, (L. 12)		SPAR (XIAS)	† <u>*</u> -		 				
	T									1						
25. Produci	ng Intervals					26. Pe	rforation	Record								
	Formation			Тор	Bottom		erforated			Size	No. Holes Perf. Status					
	TURED (LIFFS		3626'	3722		3628'-32', 3634'-36', 3640'-44			·		64			Open	
<u>B)</u>					 	36	48'-50', 3	3654'-58'			<u> </u>		-}			
C)		twent Co-		Et	L			· ·			<u> </u>					
2.1. Aciu, Fr	racture, Trea Depth Inter		nem squ	ueeze, Etc.				Amount	and type o	f Material						
	3628' - 36			Fraced w/82	800# 75	Q slick fo	am		· uzu type o							
					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,											
					<u> </u>											
	tion - Interva															
Date First Produced	Test Date	Hours Tested	Test Product	ion BBL	Gas MCF	Water BBL	Oil Grav Corr. AP		Gas Gravity		Product	ion Method	ſ			
Hoduccu	01/13/06	1	roduct	Nat IDBE	102	DDL	Con. Ar	1	Clavity				Flow	/ina		
Choke	Tbg. Press	Csg.	24 Hr.	⊖त	Gas	Water	Gas Orl		Well Status							
Size 1/2"	Flwg.	Press.	Rate	BBL	мсғ 407	BBL	Ratio			Shut-in						
28a. Produc	PSI ction - Interv	al B			1 407	L	1		L			Shul	-111	/ _		
Date First	Test	Hours	Test	Cul	Gas	Water	Oil Grav	ıtv-	Gas		Product	ion Method				
Produced	Date	Tested	Product		MCF	BBL	Corr. AP		Gravity							
Choke		Cas	2177	/331	27	NE-A	<u> </u>		331.00		<u> </u>				<u></u>	
Size	Thg Press Flwg.	Csg. Press.	24 Hr Rate	ા BBL	Gas MCF	Water BBL	Gas : Ou Ratio	l	Well Status						-	
-	SI					<u></u>										
(See instruc	tions and sp	aces for a	dditiona	al data on revers	e side)										,	

Rec 7/20/06

R

28b. Production - Interval C													
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas Gravity	Production Method				
Produced	Date	Tested	Production	BBL	MCF	BBL	Соп. АРІ						
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas : Oil	Well Status					
Size	Flwg. Si	Press.	Rate	BBL	MCF	BBL	Ratio						
28c. Prod	uction - Interva	al D		<u> </u>									
Date First	Test	Hours	Test	Oil	Gas	Water	Oil Gravity	Gas Gravity	Production Method				
Produced	Date	Tested	Production	BBL	MCF	BBL	Corr. API						
Choke	Tbg. Press.	Csg.	24 Hr.	Oil	Gas	Water	Gas : Oil	Well Status					
Size	Flwg. Si	Press.	Rate	BBL	MCF	BBL	Ratio						
29. Disposition of Gas (Sold, used for fuel, vented, etc.)													
Vented													
30. Sumn	nary of Porous	Zones (Inclu	ude Aquifers):				31. Formatio	31. Formation (Log) Markers				
Ch	-11 i	a£		anta thanas	Carad interna	ala and all de	rill stam						
snow tests.	all important a	zones or porc h interval tes	sity and com ted, cushion	ents thereor: used, time too	cored interval d open, flowin	ais and an or ig and shut-in	pressures						
tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.													
		T		1						Тор			
Fo	rmation	Тор	Bottom		Descrip	otions, Conten	ts, etc.		Name	Meas. Depth			
					· · · · · · · · · · · · · · · · · · ·								
San Jo	se	0'	2124'	GAS				Lower Sa	n Jose	1550'			
Picture	d Cliffs	3626'	3722'	GAS				Nacimien	to	2124'			
								Ojo Alam	o	3133'			
								Kirtland		3395'			
								Fruitland		3534'			
								Pictured (∩liffe	3626'			
									omia				
								Lewis		3722'			
32. Addit	tional remarks	(include plu	gging proced	ure):		·				<u> </u>			
	50.4												
	RILLA 46												
Shut-	in below.p	kr @ 35	56'.										
33. Circle	e enclosed atta	chments:											
	ectrical/Mecha		1 full set rea'	d.)	2	Geologic Rep	ort 3 i	OST Report	4. Directional Survey				
	ındry Notice fo	~ .		,		Core Analysis		Other:	1. Davelonal Survey				
36. 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)		Mike Pi	ppin 50) 5-327-45	73	Title	Petroleur	n Engineer (Agent)				
Signat	Signature Date July 25, 2006												

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.