Form 3160-4 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVEDIL CONS. DIV. OMB NO. 1004-0137 Expires: November 30, 2000 DIST. 3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG												Jicarilla Contract 464						
1a. Type of Well Oil Well Gas Dry Other 2007 IAN 23 PM b. Type of Completion: Work Over Deepen Plug Back Diff. Resvr. Other RECEIVED											6. If Indian, Allottee or Tribe Name 3: 20 Jicarilla Apache Tribe 7. Unit or CA Agreement Name and No.							
2. Name of (2. Name of Operator													Lease Nam	e and Well	No.		
	Black Hills Gas Resources, Inc. c/o Mike Pippin LLC (Agent) ARMINGTO																	
												9. /	9. API Well No.					
	3104. N. Sullivan, Farmington, NM 87401 505-327-4573												30-039-29888					
4. Location of Well (Report locations clearly and in accordance with Federal requirements) * 10. Field and Pool, or Exploratory																		
At surface 665' FNL & 2400' FWL Unit C Sec. 29, T30N, R3W WC Basin Mancos																		
												-	L., M., or Block and Area C 29 T30N R3W					
At top prod. interval reported below													Survey or . County or		<u>U Z</u> :		3. State	
At total depth Rio Arriba NM																		
14. Date Spudded 15. Date T.D. Reached 16. Date Completed 1											17. Elevations (DF, RKB, RT, GL)*							
	11/23/0	3 			12	2/19/06		01/24/07				7263' GL & 7275' KB						
18. Total Depth: MD 8136' 19. Plug Back T.D.: MD 8136' 20. Depth Bridge Plug Set: MD TVD																		
21. Type El			cal Log	gs Run (Sub	mit co	py of each)					22. Was	well cored?	\(\S_{\sqrt{1}} \)	No 🔲	Yes (Sub	mit co	py)	
CNL, CBL Was DST run?													Yes (Subi					
				·····							Direc	tional Surve	y? [No No	Yes (Subm	it copy)	
23. Casing	and Liner Re	cord (Repo	ort all s	strings set ir	well)			Ct C		376	Cl e	G1 X/	7 1		—— т			
Hole Size	Size/Grade	Wt. (#/	Rt.)	Top (MI))	Bottom (M	-	Stage Cementer Depth		Sks. & Cement	1 .		Cement	Cement Top*		Amount Pulled		
12-1/4"	9-5/8"	36# J-		0'							0, G 42			0' - circ		0'		
8-3/4"	7"	23# N-			6649'		39	932' 400,			154	154		660' - CBL		0'		
6-1/4" 4-1/2" 10.5# J-55				6522' 8136		8136'	+			NONE					1			
24. Tubing	Record			······································														
Size	ne Depth Set (MD) Pa		Pack	cker Depth (MD)		Size		Depth Set (MD)		Packer D	acker Depth (MD)		Size		Depth Set (MD)		Packer Set (MD)	
2-3/8"	650)3'		6504'	_													
25 Produci	ng Intervals		<u> </u>				-	26 Per	rforation	Record		<u> </u>						
25. Producing Intervals Formation Top Bottom								26. Perforation Record Perforated Interval Size				No. Holes Perf. Status			3			
A) Mancos				6632'		8136'		7969		9' (0.75"		4		Open		
			\perp										<u> </u>		ļ		 	
															 			
27. Acid, Fr	racture Trea	tment Cen	nent Sa	meeze Etc		L		L					<u> </u>	·	<u>.l</u>	~~~·····		
27. 120.2, 1	Depth Inter		T	40000, 2500.						Amount	and type o	f Material						
	6649'-81	36'		No Stim	ulati	on												
											····	 						
28 Product	ion - Interva	A															····	
Date First	8. Production - Interval A Date First Test Hours Test 이미 Gas Wate							er Oil Gravity			Gas		Production Method					
Produced	Date	Tested	Produc	tion BBL			BBL		Cort. API		Gravity		Flowing					
Ready Choke	01/19/07 Tbg Press	Csg.	24 Hr	Oil .		227 Gas	Water		Gas ⊖il W		Well Status		L		LIUW	my		
Size	Size Flwg Press. Rate		Rate	BBL MCF BB		BBL				Chut In								
1/2" PSI 420 — 2,721 Shut In 28a. Production - Interval B																		
Date First	Hours	Test	Oil Gas V		Wate	ater (ul		Gravity Gas		Gas		tion Method				·		
Produced	Test Date	Tested	Produc				BBL				Gravity							
Choke	Tbg Press	Csg.	24 Hr	ા	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1							ORD -						
Size	Flwg. SI	Press.	Rate	BBL		MCF	BBL		Ratio					LAAL 2			-, 	

(See instructions and spaces for additional data on reverse side)

	uction - Interv	val C										
Date First	Test	Hours	Test	Oil	Gas .	Water	Oil Gravity	Gas Gravity	Production Method			
Produced	Date	Tested	Production	BBL	MCF	BBL	Con. API					
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 - Interv	al D	<u> </u>	-1			· · · · · · · · · · · · · · · · · · ·					
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. Dispo Vent	sition of Gas	Sold, used f	or fuel, vente	ed, etc.)								
	ary of Porous	Zones (Incl	ude Aquifers	31. Formation	31. Formation (Log) Markers							
tests, i					of: Cored intervitool open, flowi					Тор		
Formation		Тор	Bottom		Descri	iptions, Content	ts, etc.		Name			
Mancos	5	6632'	8136'	GAS				San Jose	San Jose Nacimiento Ojo Alamo Kirtland Fruitland			
		1		1								
		1		1								
		1	1	1								
		1		ļ				1				
								Pictured C	liffs	3826'		
				İ				Lewis		3911'		
								Cliffhouse	Cliffhouse Menefee			
		1	1	1				Menefee				
		1	1	1				Point Look	cout	6164'		
			1	1				Mancos		6632'		
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32. Addit	tional remarks	(include plu	gging proced	lure):								
JICA	RILLA 46	64-29 #71	l6 Mar	icos								
									•			
33. Circle	e enclosed atta	achments:										
1. El	ectrical/Mech	anical Logs (I full set req	'd.)	2.	Geologic Rep	ort 3. D	ST Report	4. Directional Survey			
5. Su	indry Notice f	or plugging a	and cement v	erification		Core Analysis		ther:	-			
								available records (or	on attached instructions)*			
ou. I nere	oy ceruiy mat	uic ioregoin	g anu auxene	zi iliomnati	on is complete	and correct as (Telemined moli gil	avanauic records (Se	ee attached instructions)*			
Name (please print)			Mike P	ippin	505-327-4	573	Title	Petroleum	Petroleum Engineer (Agent)			
Signature			Mike hispin					January 2	January 23, 2007			
2011 11	1000	1001						1 710 7				
							erson knowingly an iin its jurisdiction.	d willfully to make t	to any department or agency	y of the United		