Form 3160-5 (September 2001)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: January 31, 2004

- T	BUREAU OF LAND MAN	ACEMENT	/		Expires. January 31, 2004				
_	5. Lease Serial No.								
SUNDR Do not use th	Contract 464								
Do not use the abandoned we	6. If Indian, Allottee or Tribe Name								
					Apache Tribe				
	IPLICATE - Other instr	uctions on reve	rse side	7. If Unit o	or CA/Agreement, Name and/or No.				
1. Type of Well	Other 1879 30311 23	>							
Oil Well Gas Well 2. Name of Operator	8. Well Name and No.								
Black Hills Gas Resources, Inc.	DEC anno	5 3		Jicarilla 464-29 #16 9. API Well No.					
3a. Address	ON CONVED	Phone No. (inc	lude area code)	30-039-2	27776				
PO Box 249 Bloomfield, NM 87	OIL COMS DA	505-634-1111			and Pool, or Exploratory Area				
4. Location of Well (Footage, Sec.,	10-1				Blasso PC				
Sec.29, T30N, R03W 650' FNL & 2400' FWL		3		11. County	y or Parish, State				
030 1 NE & 2400 1 WE	ON OICIAL STA			Rio Arrib	na. NM				
12. CHECK API	PROPRIATE BOX(ES) TO	O INDICATE NA	TURE OF NOTICE, R						
TYPE OF SUBMISSION			TYPE OF ACTION						
TITE OF OCENHOSION	—	<u> </u>							
Notice of Intent	Acidize	Deepen	Production (Star	rt/Resume)	Water Shut-Off				
	☐ Alter Casing ☐ Casing Repair	Fracture Treat New Construction	Reclamation		Well Integrity✓ Other Production Casing				
✓ Subsequent Report	Change Plans	Plug and Abando		nandon	TD Todaction Casing				
Final Abandonment Notice	Convert to Injection	Plug Back	Water Disposal	June 011					
If the proposal is to deepen direct Attach the Bond under which the following completion of the inve	extionally or recomplete horizontale work will be performed or professor of the operations. If the operation all Abandonment Notices shall be for final inspection.) 7, 74, N-80, LT&C corresponds to the each was unsured (see attachment procedure of the BLM to obtain performed by the black of the BLM to obtain performed by the black of the BLM to obtain performed by the black of the BLM to obtain performed by the black of the BLM to obtain performed by the black of the BLM to obtain performed by the black of the BLM to obtain performed by the black of the BLM to obtain performed by the black of the BLM to obtain performed by the black of the BLM to obtain performed by the black of the BLM to obtain performed by the black of the BLM to obtain performed by the black of the blac	Illy, give subsurface loc ovide the Bond No. on or results in a multiple of e filed only after all re- casing on 11/14/05. If coesful. At that time dementing report). A ermission.	ations and measured and trifile with BLM/BIA. Requiponding the Requipon of the Requipon quirements, including reclaration to the operator asked permullen Parrent Drilling Suparation by Willelm Parrent Drilling Suparation by William Barbaration by William Barbaration by William Barbaration by William Barbaration by William Barbar	ne vertical depred subsequent in a new inter- umation, have the operate ission to runcerintendant 4	3-1/2" production casing to a for Black Hills Gas Resources me AR ECE AR ECE				
14. 1 hereby certify that the foregoin Name (PrintedlTyped)	g is true and correct	Title	Admin Trub						
Agatha Snell	1 0 .	Titte	Admin. Tech						
Signature Ugatha.	LUL Z	Same	11/14/05	ing a same is a same					
	THIS SPACE I	OR FEDERAL OF	STATE OFFICE USE	- Au	CEPTED FOR RECORD				
Approved by (Signature)			Name (Printed/Typed)		NGV 2 9 2005				
Conditions of approval, if any, are certify that the applicant holds legs which would entitle the applicant to o	il or equitable title to those righ	ce does not warrant or nts in the subject lease	Office	FA BY	RMINGI UN FIELD UFFICE				

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.

THE ROAD TO EXCELLENCE STARTS WITH SAFETY Black Hills Rob Lucas COMPANY 486-0328 COMPANY REP. CO. REP. TELE. # NH CONTRACTOR Patterson #744 **TOWN/STATE** Jicarilla 484-29 #16 LEASE WELL NO. COUNTY Rio Arriba API NO. 150 R/T MILEAGE ひーひ From Bioomfield east on hwy 64 to J-12. Follow rig signs SIZE WEIGHT THREAD GRADE 4018350 **CASING:** K 55 5 1/2 15.5 8rd TUBING: HOLE: 77/8 WELL FLUID: DISP FLUID: Mud Water LONG SG COND SURF INTER XXX SQUEEZE LINER PTA **PLG BCK** OTHER **BOTTOM PLUG TOP PLUG** BHST **PLUG CONTAINER** 4000 SWADGE YES OTHER **EQUIPMENT TYPE** SACKS 30 TYPE San Juan Pozmix (Poz Spacer) ADDITIVES 15% Bentonite - .15% HR-5 MIXED AT 9.29 LBS/GAL YIELD 5.63 WATER 3 Preflush 37.53 **GAL/SK SACKS TYPE ADDITIVES MIXED AT** LBS/GAL **YIELD** WATER GAL/SK TYPE 65/35/Std/Poz 6% Gel (Halliburton Light) Lead SACKS # Gilsonite - 1/4# Flocele 12.4 LBS/GAL YIELD ADDITIVES MIXED AT GAL/SK WATER SACKS 150 TYPE 50/50/Std/Poz ADDITIVES 3% Gel - 5/10% Halad 9 - 5# Gilsonite - 1/4# Flocele - 2/10% Super CBL - 2/10% CFR 3 Tail **MIXED AT** LBS/GAL YIELD GAL/SK 13 1.46 WATER 6.42 **SACKS TYPE ADDITIVES MIXED AT** LBS/GAL YIELD WATER GAL/SK SACKS TYPE **ADDITIVES MIXED AT** LBS/GAL YIELD WATER **GAL/SK** PREFLUSH: TYPE SPACER: TYPE **GUIDE SHOE** TYPE FLOAT SHOE FLOAT COLLAR TYPE CASING SIZE: **TYPE** STAGE TOOL 5 1/2 TYPE PINS THREAD: **CENTRALIZERS** TYPE **Cmt Basket** TYPE 2 Stage Plug Set LIMIT CLAMPS WELD-**REMARKS** IS CREDIT OK? CREDIT CHECKED BY % DISCOUNT SALES ORDER # DATE/TIME OF CALL ORDERED BY Rob Lucas CALL TAKEN BY Dale Sanford TIME READY 11-4-05 PI REVIEWED BY **CREW FROM** MATERIALS FROM TRACTOR TRAILER CREW CALLED @ PICKUP

								TICKET®	TICKET DATE
<u> 1AL</u>	LIE	UR	TO	N	JOB MW/00	LOG	· · · · · · · · · · · · · · · · · · ·	4018350 80A / STATE	11/7/2005 county
NORTH AMERICA LAND ROCKY MOUNTAIN HELD (SHIPLOYEE HAME						N	NM	Rio Arriba	
		R	odnev I	lardesty		ZON	AL ISOLATION		
FARI			COMP Black	ANY		Rob Luc	STORER REP / PIONE Cas (505) 486-0328		
	MINGTO!	7		-	02 G	TYPE			APRIM 8
	WELL LOCATION	N			DEPART	MENT		JOB PURPOSE CODE	5 1/2 " Longstring
UEASE/WELLT Well No.				SEC!	L ISUL	ATION 10	/UU3	TW097	15 1/2 Longsung
Jic. 464-29 #16 Chart Time Rate			Olume Press.(PSI)				Job Descrip	tion / Remarks	
No.		(BPM)	(SOL)(SAL)	7 C	Thg	Cog	1		
6-Nov	2100							ON LOCATION	
	2115							N ASSESSMENT & S	AFETY MEETING
	2120 2230			 				UCKS AND RIG UP. FETY MEETING.	
	2308			\vdash		 	STARTEL		· · · · · · · · · · · · · · · · · · ·
·····	2309	0.5	2	X		3796		RE TEST PUMP AND	LINES.
	2310	2	10	X		2		ESH WATER SPACE	R.
	2315	4	184	X		133		AD CEMENT @13#	
	0000	4	39	X		88		IL CEMENT @12#.	
	0011	3 XXXX	XXXX	X		88 XXXX	DROP TO	JMP AND LINES.	
	0012	5	94.6	Hâ		1 ~~~		SPLACEMENT	
	0035	XXXX	XXXX	X		919	BUMP TO		
	0036	XXXX	XXXX	X		XXXX	END JOB		
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HALLIB	DN JO					8350	No	November 7, 2005				
NORTH AME		ROCKY MOUNTAIN				M		Rio Artiba				
125314			dney Har				ZO	NAL ISOL				
FARMINGTO		COMPANY:					CUSTOMER NEW / FI	HONE	28			
TICKET AMOU		Black Hill 02 GAS			<u> </u>	1744	ucas (505)					
WELLDOATK	Well LOCATION					SAP BOME N		0.410	JOS TYP			
UDSENANE	Wall No.	ZONAL	ISOLATI	ON 10	003	752	3	5 1/2	LON	estring	4NG	
Jic. 464-29	#16 HOURS) HVS	135	H88								HRS.	
Rodney Hardesty 12		Donny Dobbs 1		re.	Chris Pa	Padilla 201426 Velma King 335486						
10547384	R/TGUES	10219246	R/TI	··· ····	10243548	/10025040	R/YML	All and the second seco	7/1/4/11/5/10/13212 150			
10347304	130	10210240			10210010	10020040	1.00	10/4///	1101 10		100	
				-				+				
Form. Name	Type:											
Form. Thickness Packer Type	From Set At	то	Date		led Out 1/6/05	On Loc 11/6/		Job Started 11/6/05	Jo	6 Comp 11/7/0		
Bottom Hole Temp.	Press	ure			1700	210		2308		0036		
	and Accessorie	8	Time			Well	eta	2306	<u> </u>			
Type and Size Float Collar	Qtv	Make	Casing Surface		New/Used NEW	Weight 23.0	Size Grad 8 5/8	e From	To 275	Total Ca	sing	
Float Shoe			Interme	diate								
Centralizers Top Plug 5 W	1	HES	Product Orill Ptp		NEW	15.5	5 1/2	0	4,023			
Limit Clamp BASKET			Tubing Open H	de		7 7/8 278 4.023 F					oles	
Insert Float			Perforat	tions			7 770	2/0	4,023	TW	и да	
Guide Shoe Weld-A			Perforat Perforat			*						
Mud Type H20 BA	Anterials SE Density	9 Lb/Gal	Hours On Location Date Hours			Operating Date	Hours Hours	Description of Job				
Disp. Fluid H20	Density	8.33 Lb/Gal	11/7/0		5.00	11/7/05	1.50		SEE J	OB LOG		
Prop. Type Prop. Type	Size	-Lb										
Acid Type Acid Type	Gel.	%										
Surfactant NE Agent	Gal	In										
Fluid Loss	_Gal/Lb	in										
Gelling Agent Fric. Red.	Gel/Lb	in		+				-				
Breaker	Gal/Lb	in .	Total		5.00	Total	1.50					
Blocking Agent Peripac Balls	Gal/Lb Qty.	·	[Hydraulic	Horsepow					
Other KCL substitute			Ordered			Avail. Average R	ates in B	M Use	<u> </u>			
Other			Treating	<u> </u>		Disp.	eft in Pipe	Overati				
Other			Feet			Reason	JOH III FUR	Custome	r Requ	est		
			C =	ment D	hata.							
Stage Sacks Cemer				Add	lititves			W/Rq.		Lbs/Gal	Bbls	
Lead 540 65/35/std Tail 150 50/50/std	poz BULK	3%Gel-5/10			onite - 1/4# nite-1/4#Flo		uperCBL	9.66 6.42	1.91	12.4 13.0	184 39	
	BULK				%ctr-3							
	BULK	<u> </u>										
Summary Circulating RIG Displacement HES PUMP Preflush: Gal - BBI 10 Type: WATER												
Breakdown Lost Returns	Yes Maxim			Load	d & Bkdn: ess /Return	Gal - BBi		Pad:Bb	-GE_			
Cmt Rtm#Bblz	ero Actual		URFACE		. TOC:		SURFAC)isp	95 94.6		
Average Shut in: Instant	Frac. 0 5 Min.	Gradient 15 M	n	Cen	nent Slurry	Gal - BBI Gal - BBI			23			
Proceeding \$1	Tota	Volume	Gal - BBI		Free Ring (28						
THE INFORMATION STATED HEREIN IS CORRECT												
CUSTOMER REP						Tores	7					
	···					ANATURE						