Form 3160- 5 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED

OMB No. 1004- 0137 Expires: March 31, 2007

5.	Lease	Serial	No.

SUN	Contract 462 6. If Indian, Allottee, or Tribe Name Jicarilla Apache Tribe						
Do no ahande							
	oned well. Use Form 3160-3 (A PLICATE - Other Instruction			7. If Unit or CA. Agreement Name and/or No.			
1. Type of Well		070 FAR	alistell in				
Oil Well X Gas Well	Other	19 Arm	2012月255、	8. Well Name an	8. Well Name and No.		
2. Name of Operator		£ 7, .	4. 12.	Jicarilla 462-23 #12			
Black Hills Gas Resources, In 3a. Address	с.	3b. Phone No. (Inch	destroda (Pode)		9. API Well No. 30-039-29322		
P.O. Box 249 Bloo	mfield, NM 87413	25.7	84-1111 = ==		ol, or Exploratory Area		
4. Location of Well (Footage, Sec., T.,			13 A 3	E Blanco, Pictured Cliffs/Cabresto Canyon, Tertiary			
Sec 23, T30N, R03W	505' FNL & 1740' FWL			11. County or Parish, State			
		No. 7		Rio Arriba, NM			
12. CHECK APPROP	PRIATE BOX(S) TO INDICAT	TE NATURE OF	NOTICE, REPOR	T, OR OTHE	R DATA		
TYPE OF SUBMISSION		TY	PE OF ACTION				
Notice of Intent	Acidize	Deepen	Production (S	Start/ Resume) Water Shut-off			
		3		unt resume,	\equiv		
□	Altering Casing	Fracture Treat	Reclamation		Well Integrity		
X Subsequent Report	Casing Repair	New Construction	X Recomplete		Other		
	Change Plans	Plug and abandon	Temporarily A	bandon			
Final Abandonment Notice	Convert to Injection	Plug back	Water Dispose	al			
1005' Set retainer @ 1226'. Ce 990'. WOC. Drill out cement, acid. Test interval 1185' to 11	rig, pull 2 3/8" tubing and 2 7/8" perment squeeze 12.5 bbl Type III ce, run CBL. TOC @ 1165'. Perfors 90', no fluid, no gas. Perforate 33: 1'-3371', wet, no gas. RD MO rig	ement (70.2 cu ft) un ate 1185' to 1190' w 51-3352, 3357-3360	nder retainer thru ho ith 4 jspf 0.35" hole	les @ 1275' to he s total 20 holes.	oles @ 1005'. Pull tubing to Pump 400 gal 7 1/2% HCl		
bwph, no gas. RDMO rig 6-19	ig. Test intervals 3351' to 3371', 1 9-06. 8-02-06: MIRU com 8 bpm, 450 psi, ISIP 218 psi. Testo	pletion rig. Set RB	P @ 345', perforate	292' -296', 4 jspi	f .35" holes, total of 16 holes.		
14 Thombson districts of the state of the st							
 I hereby certify that the foregoing is Name (Printed/ Typed) 	o true sint correct.	1_					
Loren Diede		Title	Title Consultant (Agent)				
Signature		Date	Sa sel se				
The la			8-14-06				
	THIS SPACE FOR F	EDERAL OR S	TATE OFFICE	JSE			
Approved by		Title		AID	MEDTEARAD MEANDE		
Conditions of approval, if any are attache certify that the applicant holds legal or eq		rant or			Per ver supplied the		
which would entitle the applicant to cond					ALIO 4 0 0000		

NMOCD

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 any department or agency of the United States any false, fictitiousor fraudulent statements or representations as to any matter within its jurisdiction. TARMINGTON TO SETTING

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FORM 3 160-4		•	UNITED STATES DEPARTMENT OF THE INTERIOR									FORM APPROVED OMB NO. 1004-0137			
BUREAU OF LAND MANAGEMENT											OMB NO. 1004-0137 Expires: March 31, 2007				
WELL COMPLETION OR RECOMPLETION REPORT AND LOG											5. LEASE DESIGNATION AND SERIAL NO.				
THE COURT DE LOCATION AND VALLE AND MODE										. 1	Contract 462				
la. Type of Well Oil Well X Gas Well Dry Other											6. INDIAN ALLOTTEE OR TRIBE NAME				
		New Well	' <u> </u>	, 니	· r	Deepen	Plug Bac	. 1	Diff	Resvr.		Tionwil	la Apache	Tuiba	
b. Type of Completion Well Workover Deepen Plug Back Diff. Resvr.											7. UNIT			: ITIDE	
	_	O	ther												
2. Name of Operator											8. FARM OR LEASE NAME				
Black Hills Gas Resources, Inc.											Jicarilla 462-23 #12				
3. Address 3a. Phone No. (include area code)											9. API WELL NO.				
P.O. Box 259, Bloomfield, NM 87413 4. Location of Well (Report location clearly and in accordance with Federal requirements)*											30-039-29322				
4. Location of We	ll (Report location	clearly and	in accord	ance with F	ederal require	nents)*				\dashv	10. FIEL		•		
At surface			50	5' FNL	& 1740' l	FWL Un	it C			- 1	Cabresto Canyon, Tertiary 11. SEC. T. R. M., OR BLOCK AND SURVEY				
A											OR AREA Sec, 23, T30N, R3W				
At top prod. Interval	reported below	}	505'	FNL &	: 1740' FV	WL Unit	C			ľ	12. COUNTY OR PARISH 13. STATE				
At total depth		<u> </u>				L Unit A					Rio Arriba NM 17. ELEVATIONS (DF, RKB, RT, GR, etc.)*				
14. Date Spudded	15.	Date T.D.	. Keached		16.	Date Comple		Ready to I	Prod.		ı/, ELE	VALIONS	(DF, KAB, KT	, ur, ac.)*	
4/23/2	005		4/26/2	2005	-			8/2006		- 1			7233' GL		
18. Total Depth:	MD	6626'		Plug back	T.D.:	MD	0		20. I	Ocpth Bridg	ge Plug Set:	MD		3645'	
	TVD	3816'				TVD	0					TVI)		
^{21.} Type E	lectric & other	Logs Ru	n (Subr	nit a copy	of each)				22.	Was well co	ored?	X No	Yes	(Submit analysis)	
	INDUC	TION	& DEN	ISTTY I	NEUTRO	N & CBL			ļ ,	Was DST n	Trun? X No Yes (Submit report)				
;		:							Directional Survey?				X Yes	(Submit copy)	
23. Casing	and Liner Rec	ord (Rep	ort all s	trings sei	in well)										
Hole Size	Size/ Grade		(#/ft.)	T		Bottom(MD)	Stage Cemen	ter Depth		s. & Type	of Slurry V	ol. (Bbi)	Cement To	p* Amount Pulled	
10 1/49	0.5/011					2561	 -				42 circ to surf 0		-6 01		
12 1/4" 7 7/8"	8 5/8" 5 1/2"		4# 5.5#	1 0),	256' 3816'				200 sx 650 sx			1450'	0'	
7 7/6	3 1/2	+ + + + + + + + + + + + + + + + + + + +	.J n	 '	'	3010	 						1430		
	-			†											
,				1				****			—	-			
	Record														
Size	Depth Set (M	D) P	acker Dep	pth (MD)	Size	ze Depth Set (MD) Packet			Depth (MD) Siz		Size	Size Depth Set (MD)		Packer Depth (MD)	
. 5	<u> </u>							<u> </u>							
25. Produc	ing Intervals Formation		Т -	Тор	Bottom	26. Perforation Record				Size	No. of Holes Perf. Status			Perf Status	
A)	San Jose			urf	2054					.35"			SQ & P&A		
	Ojo Alamo		3	167	3397							24 SQ & P&A			
C)	San Jose		S	urf	2054					.35"	16 SQ & P&A			Q & P&A	
D)			<u> </u>												
	racture Treatm	ent, Cem	ent Squ	eeze, Etc							·				
1700'	epth Interval		10.01	2005	Comment		1/2!! *		nd Type of		T ***		4 TOC 14	EAL From CIDE	
1390'														50' from CBL 0' from CBL	
310'							csg from				<u> </u>			· HOM CDL	
1275' to 100	5'													from CBL	
	tion-Interval A	$\overline{}$	1	,			8 -1 7-11			y					
Date First	Test Date	Hours To			Oil Bbl	Gas MCF	Water	Oil Gravit	•	Gas Gravi	ty Proc	luction Me	thod		
Produced	5/27/2006	24	ı	oduction	0	0	Вы	Corr. API	į				swabl	nina	
Choke Size	Tbg. Press			Hr. Rate	Oil Bbl	Gas MCF	Water	Gas: Oil I	latio	Well Stat	us		a w AU	<u></u>	
	Flwg. SI				_	1	Вы	1		aa					
an Duri	L				0	0	1 0	<u></u>		SQ, P&	έ A		000000		
28a. Produc Date First	tion- Interval F	Hours Te	sted Te	st	Oil Bы	Gas MCF	Water	Oil Gravi	y I	Gas Gravi	ty Proc	luction Mi		<u> Marec</u>	
Produced			Pro	oduction			вы	Corr. API							
Choke Size	6/13/2006 Tbg. Press	Csg Pr		Hr. Rate	Oil Bbl	Gas MCF	48 Water	Gas: Oil I	Patic	Well Stat			<u>sztabl</u>	<u>ு நிறி 2006</u>	
	Flwg.	lask Li		. H. KHIT	Jul 201	GES MICF	Bb)	Joss. On I		THE STATE	und	CA	DAMAYA T	MISSION FEBRUARY	
	SI		<u></u> :	<u> </u>		مهيل	48			SQ, P&	έA	1769	e Tw	MARDOF	
* See instructionsar	d spaces for additi	onal data o	n page 2)			MINO							• • • • • •		

28b. Produc	tion- Interval C											
Date First	Test Date	Hou	s Tested		Oil Bbl	Gas MCF	Water Bbl		Gravity r. API	Gas Gravity	Production Method	
Produced	9/4/2006	l	24	Production	0	7	1 0	Con	II. API			Flowing
Choke Size	8/4/2006 Tbg. Press 7		Press.	24 Hr. Rate	Oil Bb!	Gas MCF	Water	Ges	: Oil Ratio	Well Status	<u> </u>	Flowing
	Flwg.						Вы					
<u> </u>	SI 80	<u> </u>	80		0	7	0			SQ, P&A		
	tion- Interval D							Y=.				
Date First Produced	Test Date	Hou	Tested	Test Production	Оіі Вы	Gas MCF	Water Bbl		Gravity rr. API	Gas Gravity	Production Method	
		1	i i	-	1		1	ł				
Choke Size	Tbg. Press	Cag	Press.	24 Hr. Rate	Oil Bbl	Gas MCF	Water	Gas	: Oil Ratio	Well Status		
	Flwg. SI		,				Bbl					
20 Dispositie												
29. Disposition	on of Gas (Soia,	изеи	yor jue	a, venteu, e	ic.j							
20 Summon	of Porous Zone	e (in	olnde A	anifore).					31 Form	ation (Log) Mar	Lere:	
	ortant zones of poros		,		intervals and a	all drill-stem test	s. including d	lenth	Ji. Polin	adon (Log) Mai	KCIS.	
	, cushion used, time						.,		1			
			1						<u> </u>			
Forma	tion To	p	Botto	om	Descrip	otions Conter	nts, Etc.			Name		Top
<u> </u>									San Jose			Measured Depth 0
	ı		ľ						Nacimier			2054
			i						Ojo Alan			
1]]	1					Kirtland	ш		3167 3397
'			1						Fruitland	4		3519
	l		l l	ļ					Pictured	_		3663
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22 Alddin	1111								<u> </u>			
· ·	al remarks (inclu	_		procedure):							
] Ji	carilla 462-23					1004	,					
	See attached	1 I E	ruary	completio	n report	and P&A	sundry					
İ												
1												
33. Indicate v	which items have	e bee	n attacl	hed by place	no a check	in the anno	nriste hov	es.				
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)*												
M 4.4		. P.	ada					<u>~</u>	omen 4	(Agont)		
Name (plea	se print) Lores	ועני					—— Tit	ue <u>C</u>	onsultant ((Agent)		
ابم		\nearrow	~ 1 	ーヾ		_			0	14-11		
Signature	Signature											

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