Form 3160-4 (September, 2001)

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

WELL COMPLETION OF RECOMPLETION PEROPE AND LO

FORM APPROVED OMB NO. 1004-0137 Expires: January 31, 2004

WELL CONFECTION OF RECOMPLETION REPORT AND LOG												N	5. Lease Serial No. MDA 701-98-0013					
a. Type of Well Oil Well Gas Well Dry Other											6. If Indian, Allottee or Tribe Name							
b. Type of Completion:										r. Մ	Jicarilla Apache Tribe							
		4		_			_			<b>5</b>			" · F				ment Name	and No.
Nome of	Operator			Other					2015 AI	16 11	<del>- 60</del>	11	19				٠.	,
2. Name of Operator 2005 AUG 11 6M 11 19													8. Lease Name and Well No.					
Black Hills Gas Resources, Inc  3a. Phone No. finelinde area co														Jicarilla 29-02-31 No. 14				
	-	ita 400		_	Coldon CO I	20401			1			•		9. A	PIW	ell No.		
50 Indiana Street, Suite 400 Golden, CO 80401 720 Q I D Q 3 Q 8 A R M INGTON MM  4. Location of Well (Report location clearly and in accordance with Federal requirements)*											3	30-039-29317						
. Doublest of wort prepare to current training and in deconduince with Federal requirements).												- [	10. Field and Pool, or Exploratory					
At surface 430' FNL & 880' FEL (NENE) Unit A												E	Basin Fruitland Coal					
At top prod. interval reported below 430' FNL & 880' FEL (NENE) Unit A												11. Sec., T., R., M., on Block and Survey or Area Sec. 31, T29N-R02W						
At total depth 430' FNL & 880' FEL (NENE) Unit A											F	12. County or Parish 13. State Rio Arriba NM				3		
4. Date Spudded 15. Date T.D. Reached									16. Date Completed					17. Elevations (DF, RKB, RT, GL)*				
/9/05 2/12/05									D&A Peady to Prod.					7069' GL, 7081' KB				
8. Total D	-	D VD 36	533'		19.	Plug Back T		ID TVD 3	3595'		20. Dept	h Brid	dge Plug	Set:	MD TVI			
1. Type Ele	ectric & O	ther M	lechar	nical Lo	gs Run (Sub	mit copy of e	ach)				22. Was	well	cored?	$\overline{\mathbf{v}}$	No	Yes	(Submit anal	ysis)
												DST		$\square$	No	Yes	(Submit repo	rt)
					Magnetic Re						Dire	ection	al Survey	? ☑	No	Yes	(Submit copy	)
3. Casing a	and Liner	Reco	rd (Re	port all	strings set ir	well)						,						
Hole Size	Size/Gra	ade	Wt. (#	#/ft.)	Top (MD)	Bottom (	MD)		Cementer Depth	1	of Sks. & of Cement	Slurry Vol. (BBL)		(	Cement	t Top*	Amount	Pulled
12 1/4" 8 5/8" 24			0' 281'					2	00 sx				surf	ace;				
															circ 16bbl			
															to su	rface		
7 7/8"	5 1/2" 15.5		0'	3611'				600 sx		<b></b>			surface;					
														circ 4	rc 40bbl			
	L									<u> </u>		<u> </u>			to su	rface		
4. Tubing																		
Size	Depth	Set (N	MD)	Packer	Depth (MD)	Size		Depth	1 Set (MD)	Packer 1	Depth (MD	)	Size		Depth	Set (MD)	Packer De	oth (MD)
2 3/8"		3581'						26									<u> </u>	
5. Producir						D			Perforation		<del></del>	0:	1 57	77.4			D C C: 1	
	Formation	n		+	TOP	Bottom			Perforated Interval		Size 4		NO.	No. Holes		Perf. Status		
Y) Fruitland	Coal			+	3404'	3438'	3438'			3404-06,20-26,36-38				40		Open		
3)	<del></del>			+													FYDOVO	
<u>/)</u>				<b></b>											-	Antito	5/b2/20	<b>X</b>
))	Т.	4			Е4-	1	1									Fr.	٠,٧	-
	epth Interv		nt, Cei	ment So	queeze, Etc.					mount a	nd Type of	Matar	ial			>	<del>- 2000</del>	
	epin mer	, ai		-	400.000 -633	1000 10		., .,	Λ.	illount at	iu Type of	IVI atci	iai		195	2116	100 W	<del>. (</del>
404-3438				Pump	400,000 sci N	12, w/800 gal fo	rmic ac	id mist							=	- RO	15. Or	<u> </u>
				+											P=		OCA B	-
				+-	<u> </u>	<del></del>									To the	O O	Olz.	<del>-6/</del>
28. Product	ion - Inter	val A													—₹	10/2		<del>- 3</del> x-
	Test	Hours	T	est	Oil	Gas	Wat	er	Oil Grav	ity	Gas		Productio	n Met	hod	<del>\(\lambda\)</del>	II M FO	<del>}</del>
	oduced Date Tested Prod		Production	n. BBL						Gravity		Pumping			•	11 Ula Car		
Choke T	Гbg. Press.	Csg.		4 Hr.	Oil	Gas	Wate		Gas: Oil		Well State	us						
	Figw. Si	Press		Rate	BBL	MCF	BBI		Ratio		Producii	ıg			Δ[	CEPTE	D FOR R	ECORL
8a. Product					· · · · · · · · · · · · · · · · · · ·	·		-	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·				- 1			
	Test Date	Hours Tested		est Production	on Oil BBL	Gas MCF	Wate BBL		Oil Grav Corr. AP:		Gas Gravity		Productio	n Meth	od	AUG	1 6 200	15
Choke 1	Tbg. Press.	Call		4 Hr.	Oil	Gas	Wate	er	Gas: Oil		Well Stat	115	<u> </u>			ACI NA INI	iùn riELD	UFFICE
Size   [	Flwg. SI	Press		Rate	BBL	MCF	BBI		Ratio		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					BA 7		A1 LICE
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See instruc	ctions and	space	s for a	addition	nal data on n	ext page)					NHOCD							

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st Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
		<u> </u>	6				37. 11.0.	<u> </u>		
Tbg Press Flwg.	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status		in the second of	
SI							1.1.1			
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recoveries.								·		
nation	Тор	Bottom		Déscrin	tions, Conten	ts etc		Name	Тор	
									Meas. Depth	
						er er og de er		San Jose	surface	
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. •	]	•						Ojo Alamo	2900'	
								Kirtland	3310	
				1.1				Fruitland Coal	3403'	
								Pictured Cliffs	3447'	
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