b. Type of Completion:

## UNI" > STATES DEPARTMEN OF THE INTERIOR BUREAU OF LAND MANAGEMENT

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

New Well Work Over Deepen Plug Back Diff. Resvr.

la. Type of Well Oil Well Gas Well Dry Other

FORM APPROVED OMB NO. 1004-0137												
Expires: January 31, 2004												
5. Lease Serial No.												
MDA 701-98-0013												
6. If Indian, Allottee or Tribe Name												
icarilla Apache Tribe												
7. Unit or CA Agreement Name and No.												
23926												
8. Lease Name and Well No.												
icarilla 29-03-02 No. 3												
9. API Well No.												
30-039-27593												
10. Field and Pool, or Exploratory												
Cabresto Canyon, Tertiary												
11 Sec. T. R. M. on Block and Survey												
or Area Sec. 2, T29N-R03W												
12. County or Parish 13. State												
Rio Arriba NM												
17. Elevations (DF, RKB, RT, GL)*												
210, 21010 (21, 1112, 111, 02,												
7279' GL, 7292' KB												
Set: MD												
TVD												
M No Yes (Submit analysis)												
No Yes (Submit report)												
? M No Mes (Submit copy)												
<del></del>												
Cement Top* Amount Pulled												
surface;												
circ 12.5												
bbl to sur												
surface												
Juttacc												
Double Cat (MD)   Booker Double (MD)												
Depth Set (MD) Packer Depth (MD)												
Holes Perf Status												
o mores i Peri Maius												

			Ot	ther _					<del> ,e</del> (1 -	40	e es	2	· [_			or CA	Agree	ment N	iame and No	1.
2. Name o	f Operator							1.15	J 10 11 1 .					239		. \$1.		117 11 27		
Black Hills Gas Resources, Inc.									1 × 211 m. Companyone					1 1	8. Lease Name and Well No.					
3. Addres							3a. Phone No. (include area; code)								Jicarilla 29-03-02 No. 3					
350 Indiana	Street, Su	ite 400		C	Golden, G	CO 80	D 7 0 TA COSTO 1 1/4 A						- 1	9. API Well No.						
				n cle	arly and	in acc	ordance with l	ederal r	leral requirements)*					``\	30-039-27593					
	,													57 1	10. Field and Pool, or Exploratory					
At sur	face 335'		1					~	Cabresto Canyon, Tertiary											
		سمم امند	a=6ad h	سمام	2251 05	V 0-04	OFFE OFFE	t I - i - D	m	Chi.		ر د د		3   1	11. Sec., T., R., M., on Block and Survey or Area Sec. 2, T29N-R03W					
At top	proa. mier	vai tep	orieu o	CIUW	333 FS	)L & 90	60' FEL (SESE)	) Ont P	15-7		, .	1	- 5	<i>∄</i> ⊢		Sec	2, T2	9N-R03	W	
At tota	ıl depth 33	5' FSL	<b>&amp;</b> 960	FEL	(SESE)	Unit P	•			<sup>ا</sup> م.	£34			7	2. Cour Arriba	ity or Pa 1	ırısh	NI	State M	
14. Date	Spudded			15. D	ate T.D	Reach	ned		16. Date Completed 17. Elevations (DF, RKB, RT, C								T, GL)*			
3/24/2004 D&A Ready to Prod. 3/24/2004 7 2 2004													i	7279' GL, 7292' KB						
3/24/2004				3/31/2	2004				<u> </u>								В			_
18. Total		D VD 38	373'			19. P	lug Back T.D.	ck T.D.: MD TVD  20. Depth Bridge F					e Plug Se	lug Set: MD TVD						
21. Type E	lectric & O	ther M	echani	cal Lo	ogs Run	(Subm	it copy of each	)			22.	Was	well c	ored?	И	°			t analysis)	
													OST ru		Ø №	_			t report)	
HRI, LSS,												Direc	tional	Survey?	<b>☑</b> N	<u> </u>	Yes	(Submi	t copy)	
23. Casing	and Lines	r Reco	rd (Rep	ort ali	strings	sel in w	vell)													_
Hole Size			Size/Grade Wt. (#/ft.		ft.) Top (M		MD) Bottom (MD)		Stage Cementer Depth		No. of Sks. & Type of Cement		Slurry Vol. (BBL)		Cement Top*		,*	Am	ount Pulled	
12 1/4"			24		0		226'			17		5 & III				surface;				
														,	irc 12.5					
															b	bl to sur				
7 7/8"	7 7/8" 5 1/2"		15.5	15.5		)	3873'				800					surfac <del>e</del>				
						_														
										<u> </u>					<u> </u>					
24. Tubing	Record																			
Size	Depth	Set (N	/ID) I	acker	r Depth	(MD)	Size	Dept	th Set (MD)	Packer 1	Depth	(MD)		Size	Dej	th Set (	MD)	Pack	er Depth (M	D)
2 3/8"		3652'			3652'					-	•							T		
25. Produc	ing Interva	als						26.	Perforation	Record										
	Formatio				TOP		Bottom		Perforated I	nterval		S	ize	No.	Holes		•	Perf. St	tatus	
A) San Jose				1091'		1316' 1091-93,9		-93,95-97,1236	95-97,1236-1242,1308-16			jspf		36			Open	1		
B) Nacimiento					3012'		3194' 3012-		012-14,17-19,3116-20,24-28		8,86-	,86- 94; 2 jspf		4	10	Abandoned				
C) Ojo Alamo					3322'		3330'		3322-33	3322-3330		4 jspf				Ť		Abandoned		
D)				1												1				
27. Acid. 1	Fracture, Ti	reatme	nt, Cerr	ient S	queeze,	Etc.	-													
	Depth Inter	vai							A	mount a	nd Typ	e of M	lateria	1						
1091'-1316'				Frac	w/ 50Q N	12 Foam	/Ambormax 101:	5. 61,680 1	lbs. of 20/40 br	own brad	y sand	& 25,94	0 lbs. c	of super LC	sand at	1- 4 ррд	stages	. 164,78	8 scfm N2.	
3012'-3194'				Frac	w/50Q N	2 Foam/	Ambormax 1015	fluid, 66	,000 lbs of 20/	10 brady s	sand at	1-3 lb s	tages. 2	1,000lbs o	f super l	LC sand a	at 3-4 s	tages w/	activat	
		-		in the	e last ½ o	f 3 & 411	b stage. 443.5 ms	cf N2. Sq	z w/175 SX. S	TD. 15.6	PPG. C	EMEN	T. 1% (	CACL2. 0.	6% HA	LAD 344	<del></del>	,		
3322'-3330'	<del></del>	•		Sqz v	w/ 50 SX	TYPE!	II CEMENT. 1%	CACL2 A	AND 0.6% FL5	2.						,	-			
	ction - Inte	rval A							<del></del>		-						;c>			
Date First	Test	Hours		est	Qil	ī		Water	Oil Grav		Ga		ı	Production	Method		(I)	الزر		
Produced	Date	Tested	- 1	roductio	on BB	L		BBL	Corr. AF	.1	Gra	avity					er Er	1	(T) (D)	
9/3/04 Chalca	9/3/04	24		الله ا	Oil		864 Gas	Water			117-	II Ctata		lowing			·	٠.)	<u> </u>	
Choke Size	Tbg. Press. Flgw. SI	Csg. Press	Ř	lHr. ate	BB			Water BBL	Gas: Oil Ratio		l we	ll Status	•							
	SI	1			1						Pro	ducing	z.				CII.	_%	ign:	
28a. Produ	ction - Inte	rval B		<del></del>		<del></del>	<del></del>				1-10						177	•••		
Date First	Test	Hours		est	Oil		Gas	Water	Oil Gray			Gas		Production	Method			ಹ		_
Produced	Date	Tested F		roduction BE		BBL		BBL	Corr. AP	!	Gra	Gravity					: <i>y</i> .			
	#L 5	(0.0)	_	<u>.</u>			1	M	66		-	u a ·	L						$\frac{-ccO_{SL}}{2}$	<del>}</del>
Choke Size	Tbg. Press Flwg.	Call Press		l Hr. ate	Oil BB	L	Gas MCF	Water BBL	Gas: Oil Ratio		We	ell Statu	S					_ ¢O'	<sub>R RECO</sub> RC	
	SI		ļ	$\Box$												. 4	-597	., Q		
(See instr	uctions and	space	es for a	dditio	nal data	оп пе	xt page)			n n n n	<u>,                                    </u>					_ <sup>₽</sup> C	_ <u></u> _			
		, ,					F . J . /		N.	MOC	أرقد									

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	IM CF	Water BBL	Oil Gravity Corr. API	Gas Gravity	action Method	
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL .	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status		
28c. Produ	ction - Inte			• • • • • • • • • • • • • • • • • • • •						
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status		
29. Dispos Sold	ition of Gas	(Sold use	d for fuel, v	ented, etc.)						
	rv of Poro	us Zones (	Include Aqu	ifers):			`	31 Formatio	on (Log) Markers	:
Show tests,	all imports	ant zones	of porosity a	and content	s thereof: Co time tool ope	ored interval en, flowing a	s and all drill-stem nd shut-in pressures		:	
Form	ation	Тор	Bottom	1	Descrip	otions, Conte	nts, etc.		Name	Top Meas. Depth
					,				Nacimiento	2152'
							<b>3</b> *		Ojo Alamo	3276'
						1		'`'	Kirtland	3517
				' .	; ·	٠.	. , .	1	Pictured Cliffs	3725
		•		•						
							•		Lewis	3825'
					• •				·	
										No. 1
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							24. DE	-		
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32. Additio	onal remark	cs (include	plugging pr	ocedure):			,			
v							;		1 = w	•
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;		•			•	•				
-				-	•				ān.	
			· 						· · · ·	····
33 Circle	enclosed at	tachments	:		*					
_			ogs (1 full se	t reald )	(2) <sub>G</sub>	eologic Repo	rt 3 DST Rep	ort 4 D	irectional Survey	•
_			ng and ceme		_	ore Analysis	7 Other:			
	· · · · · · · · · · · · · · · · · · ·		·	·		•			· · · · · · · · · · · · · · · · · · ·	
34. I herel	y certify th	nat the fore	egoing and at	tached info	rmation is co	mplete and c	orrect as determined	from all availa	ble records (see attached instru	actions)*
								•	•	
Name	(please pri	nt) <u>Allison</u>	Newcomb		<u></u>		Title Engineerin	g Technician		
Signat	ure a	ais.	111 Y	Jewa	ont	2	Date 9/30/2004			
Title 18 U.	S.C. Section	on 1001 ar	nd Title 43 U Idulent stater	.S.C. Section	on 1212-mak resentations	e-it a crime i as to any mai	or any person know: ter within its jurisdic	ingly and Willt ition.	ully to make to any departmen	nt or agency of the United

28b. Production - Interval C

is or fraudulent statements or representations as to any matter within its jurisdiction.