la. Type of Well

2. Name of Operator

14. Date Spudded

18. Total Depth: MD 3900

Size/Grade

8 5/8"

5 1/2"

Depth Set (MD)

8/22/2004

SDL/DSN, HRI

Hole Size

12 1/4"

7 7/8"

2 3/8"

A) Pictured Cliffs

B) C)

24. Tubing Record Size

25. Producing Intervals

Formation

3. Address

b. Type of Completion:

Black Hills Gas Resources, Inc

350 Indiana Street, Suite 400

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Other

19. Plug Back T.D.: MD 3867

Bottom (MD)

280'

3886'

Size

Bottom

3848

✓ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.

3a. Phone No. (include area code)

720-210-1308

16. Date

Stage Cementer

Depth

DEAUC

22.

No. of Sks. &

Type of Cement 175 & A

600

Depth Set (MD) Packer Depth (MD)

26. Perforation Record

Perforated Interval

3792-96,3808-12,20-24,30-34,44-4

Oil Well Gas Well Dry

Golden, CO 80401

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

15. Date T.D. Reached

Top (MD)

0'

0'

Packer Depth (MD)

TOP

3792

At top prod. interval reported below 515' FNL & 655' FWL (NWNW) Unit D

8/26/2004

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

Wt. (#/ft.)

24

17

23. Casing and Liner Record (Report all strings set in well)

Other.

At surface 515' FNL & 655' FWL (NWNW) Unit D

At total depth 515' FNL & 655' FWL (NWNW) Unit D

			1/	/						
		/	1	Ľ	OMB	NO.	1004	OVED 4-0137		
;				Expires: January 31, 2004 5. Lease Serial No.						
			Jic	Jicarilla Contract 460						
			- 1		-		or "	Tribe Name		
Diff.	Resv	r.		Jicarilla Apache Tribe 7. Unit or CA Agreement Name and No.						
				7. Unit	OF CA A	gree	men	t Name and No.		
				8. Leas	e Name	and	Well	No.		
	I - 1		Jic	arilla 46	0-15 No	. 2				
ires ç	oae)			9. API	Well No	Э.				
		<u> </u>		30-039-27850 10. Field and Pool, or Exploratory						
W	یں ر ان	δ			o, Pictur		-	ыогаюту		
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``` <b>`</b> ``	-	7		or A				R03W		
	, C		- 1		ty or Par			13. State		
· · · · ·	<del>Ŋ</del>	/		Arriba				NM		
الممل	o Proc	i.	1	7. Elev	ations (I	JF, R	KKB.	, RT, GL)*		
7/0	5		729	91' KB,	7290' DI	, 72°	78' C	L		
Depti	h Brid	ige I	lug Se		ID VD					
	well			No.	_			mit analysis)		
	DST			M No				mit report)		
Dire	ctions	u Su	rvey?	M N	<u> </u>	Yes	Sub	mit copy)		
& ient		urry (BB	Vol. L)	Cem	ent Top	•		Amount Pulled		
				, ,	urface;					
				cí	rc 4bbls	$\Box$				
				<del> </del>	surface					
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				<del> </del>	surface	_				
			-							
(MD)		Siz	ze	Dep	th Set (N	<b>4</b> D)	Pa	cker Depth (MD)		
				<u> </u>	_		<u> </u>			
	Size	<del></del> -T	No. 1	Holes	ľ	1	Derf	Status		
	Size 4			Holes 30	<del> </del>			pen		
	-	$\dashv$								
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e of N			1.052.2	97 51				*		
orady	mesn s	and.	1,032,2	82 scf N	<u> </u>					
								<del></del>		
s vity		Proc	auction	Method		07		2001		
		Flov	ving			70				
Statu	S				ı. L	77 > =	3	B3.		
iting c	on Pip	elin	e	_	-3 -3	) (5)	7	H-4		
_					5	ĺΠ				
i vity		Proc	luction l	Method	GT,	77	-	رة غ		
						0	 L	Sign Color		

D)		_										_			
27. Acid, I	Fracture, Ti	reatment, (	Cement Squ	eeze, Etc.											
Depth Interval				Amount and Type of Material											
792-3848			Acidize	Acidize w/ 1000 gal of 3% HCl. Frac w/65Q aqua safety x15 w/200,000# 20/40 brady mesh sand. 1,052,282 scf N2.											
				·····			- <u> </u>								
		_													
28. Produc	ction - Inter	val A	<u> </u>							-					
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	070	2005				
	11/30/04	24		ļ	782				Flowing		-	_			
Choke Size	Tbg. Press. Figw.	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status		7 7	<i>B3</i>				
1/2	SI 110					<u> </u>		Waiting on	Pipeline	REC ARM	F				
8a. Produc	ction - Inter	val B	_							<u>= 0</u>					
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	VED GTON	nn	CORD			
Choke Síze	Tbg. Press. Flwg. SI	Call Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status			E CORTO	20th			
(See instru	ictions and	spaces fo	r additional	data on r	next page)		NMC	CD		_A CO	MR SOLORE	<b>*</b>			

Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method	
Choke Size	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Weil Status		
28c. Produc										
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	Oit BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status		
9. Disposit	tion of Gas	(Sold use	d for fuel, v	ented, etc.)	<u></u>		1			
	ry of Porou	s Zones (l	include Aqu	ifers):		<u> </u>	• • • • • • • • • • • • • • • • • • • •	31 Formation	1 (Log) Markers	
Show a tests, ir	all importa	nt zones c	of porosity a	nd contents	thereof: C ime tool op	ored intervals en, flowing an	and all drill-stem d shut-in pressures		· (Sug) Marion	•
Format	tion	Тор	Bottom	-		ptions, Conten	ts, etc.		Name	Top Meas. Depth
		-				The Contract of the Contract o			San Jose	surface
									Nacimiento	. 2170'
	. 1								Ojo Alamo	3250
				1		•			Kirtland	3480'
•	,	.							Fruitland	3691'
-				-   .	*			<b>)</b>	Pictured Cliffs	3791'
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•		1			•					
		}		·			* * * *			
				}			,			
2. Addition	nal remarks	(include p	plugging pro	cedure):			· ·			•
	~						·			
										-
				,						
	rical/Mech	anical Log	s (1 full set			cologic Report ore Analysis	3 DST Rep 7 Other:	oort 4 Dire	ectional Survey	
4. I hereby	certify tha	t the foreg	oing and att	ached inform	nation is co	mplete and cor	тесt as determined	from all availabl	e records (see attached instru	ctions)*
Name (p.	lease print,	Allison N	ewcomb	·			Title Engineering	g Technician		·
Signatus	$\Omega$	DIOI		Jew	cism=	b	. Date 2/8/2005			

(Form 3160-4 (9/01), Page 2)