Form 3160-4 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED										
OMB NO	O. 1004-0137									
Expires: No	ovember 30, 2000									

WELL COMPLETION OR RECOMPLETION REPORT AND LOG											5.	 Lease Serial No. Jicarilla Contract 452 							
				170%		-							I -	I£.		Allottee or		****	
la. Type of		Oil				Dry	Otl	_	_		<u></u>	_	mi			Anouse of			
b. Type of Completion: New Work Over Deepen Plug Back Diff. Resvr. Other: Drill PC Lateral from under Surface Casing										Resvr.	7	Y Is	LJIC	A Agreeme	at No	21111	No		
			Othe	er: <u>Dril</u>	II PC Late	eral from ι	unde	er Surfa	<u>ce C</u> as	ing			'	1		A Agrœine IM⊄n	an iva	me and	INO.
2. Name of	Operator	`											8.	Le	ase Nar	ne and We	II No.		
	Black	Hills (Gas I	Reso	urces, lı	nc.	c/o	Mike P	ippin l	LC (A	gent)			-	,	licarilla	45	2 #4	
3. Address									3a. Pho	one No. (in	iclude are	a code)			I Well	V 1 1 A	H		·· ···································
•	3104. N	1. Sulliv	∕an, f	≂armi	ington, N	IM 87401	ĺ		١	505-3	327-457	'3				30-039	.242	57	•
4. Location	of Well (Rep	ort locati	ons cle	arly an	d in accord	lance with F	edere	al require	ments) *				10.	Fi		Pool, or E			
At surface 793' FNL & 785' FWL Unit (D) Sec. 5, T29N, R3W												East Blanco Pictured Cliffs 11. Sec., T., R., M., or Block and							
At top prod. interval reported below 795' FNL & 1683' FWL Unit (C) Sec. 5, T29N, R3W												Survey or Area D 5 T29N R3W 12. County or Parish 13. State							
At total depth 749' FNL & 74' FEL Unit (A) Sec. 5, T29N, R3W													12.		-	Arriba			NM
14. Date Spudded 15. Date T.D. Reached 16. Date Completed 17. El													s (DF, RK	B, R1	, GL)*				
11/10/88 07/11/07 D&A X Ready to Prod 07/22/07														'9' GL 8	70	91' K	В		
18. Total Depth: MD 7781' 19. Plug Back T.D.: MD 7781' 20. Depth Bridge Plug Set: MD TVD 3765' TVD 3765'																			
	lectric & Otl		nical L	ogs Rur	n (Submit co	opy of each)					ı	well cored?		N					
IEL, CN	L, FDC, (CBL										DST run?	X	N					
····	<u> </u>										Dire	ctional Surv	ey?		No	Yes	(Subi	ын сор	y) ————
23. Casing	and Liner Re	ecord <i>(Re)</i>	port ali	strings	s set in well,) 		Ctore C		No. of	Sks. &	Slurry V	-1						
Hole Size	1				p (MD)	Bottom (N	tom (MD) Stage Ce			Type of	Cement	ment (BBL)			Cement		Amount Pulled		
11"	8-5/8"	24			0'	133'					5, B 28			0' - circ				0'	
6-3/4"	4-1/2"	10.5			190'	4094					75 113			_1	1850' - CBL		490'		
7-7/8" 4-3/4"	5-1/2" 2-7/8"	17: 9.7			0' 248'	4286 7781					POZ 0			708'		8.	0' 0'		
24 Tubing		1 . 9.7	#	4.	240	1101		l		· · · · · · · · · · · · · · · · · · ·	<u> </u>	<u> </u>	L					<u></u>	<u> </u>
Size	Depth Se	et (MD)	Pac	ker Den	oth (MD)	Size		Depth Set (MD) Packer 1		Packer D	Pepth (MID) Siz		e	Depth Set (M		th Set (MI))	Pack	er Set (MD)
2-3/8"	424																······································		
														\perp				L	
25. Produci	ing Intervals				Tom	Pottom			foration			Size		io I	Inles		Da	of Ctat	
E	Formation Control Control				Top Bottom MD4159'			Perforated Interval 8 pre-perfed joints					No. Holes		+	Perf. Status Open			
<u>4)</u> F	ictured c	/11113				4113' - T	VD			w/tops		0.70	\vdash			+		pen	······································
										6798', 63			 -			+			
										886', 424									
27. Acid, F	racture, Trea	tment, Ce	ment Se	queeze,	Etc.														
	Depth Inter							<u>.</u>				f Material			Pr	UD III			
M	D4248'-7	781		Horiz	zontai Pi	C lateral	- N	o torma	ation s	timulati	ion				11	II COM		111.	
													· · · · · · · · · · · · · · · · · · ·				2 1		
28. Product	ion - Interva	l A																	
Date First	Test	Hours	Test	Ç	Dal .	Gas	Wate	r	Oil Gravi	ty.	Gas	····	Produ	ction	N fethod				
Produced Ready	Date 07/20/07	Tested 3	Produc	ction E	BBL .	мсғ 287	BBL		Corr. API		Gravity					Flow	ina		
Choke	Tbg Press	Csg.	24 Hr		ોા	Gas	Wate	-	Gas Oil		Well Status	;	·		··· - ··				
Size 3/8"	Flwg.	Press.	Rate		BBL	мсғ 2,293	BBL		Ratio						Chut	In			
	PSI 660 psi ction - Interv		<u> </u>		<u>,</u>	2,233			L						Shut	111			
Date First	Test	Hours	Test		Dil l	G as	\Vate		Oil Gravi		Gas		Produ	tion	Method			••	
Produced	Date	Tested	Produç	etton E	BBL	MCF	BBL		Соп. АРІ		Gravity					·			
Choke	Tbg Press	Csg.	24 Hr		Dil DDI	Gas MCF	Wate		Gas Oil		Well Status	3		Α.	are		M	D	AFT PA
Size	Flwg. SI	Press.	Rate	▶ *	BBL	MCF	BBL		Ratio		-			A	ULL	PIEDF	2811	ii u	JAU

(See instructions and spaces for additional data on reverse side)

JUL 2 6 2007

	•								
uction - Interv	al C								
Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity . Corr. API	Gas Gravity	Production Method	
Tbg Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	<u> </u>	
uction - Interv	al D	1					,		
Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr, API	Gas Gravity	Production Method	***************************************
Tbg, Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status		,
ary of Porous	Zones (Inclu	ude Aquifers):				31. Formation	n (Log) Markers	
ncluding depth									
mation	Тор	Bottom		Descri	ptions, Contents	s, etc.		Name	Top Meas, Depth
d Cliffs	3747' TVD	4113' TVD	GAS	,	· · · · · · · · · · · · · · · · · · ·				MD TVD Surface 2171' 2168' 3252' 3234' 3449' 3405' 3676' 3682' 4159' 3747' 4113"
illa 452 #4	PC			ral					
ctrical/Mechan	ical Logs (1		•					4. Directional Survey	7
certify that the	e foregoing	and attached	information	is complete a	nd correct as de	etermined from all av	vailable records (se	e attached instructions)	
Name (please print) Mike Pippin 505-327-4573						Title	Petroleum	n Engineer (Ager	nt)
Signature Medo teppin							July 25, 2	007	
	Test Date Tog Press. Flwg. Si uction - Interval Test Date Tog. Press. Flwg. Si sition of Gas (and the content of the content	Tog Press. Flwg. Flwg. Si uction - Interval D Test Hours Date Tested Tbg. Press. Si Sition of Gas (Sold, used formation Top all important zones of poroncluding depth interval tested Coveries. Tog Tog Tog Tog Tog Tog Tog To	Test Date Tested Production Tog Press. Csg Press. Rate Si Date Tested Production Test Press. Csg Production Test Production Test Production Tog. Press. Csg. 24 Hr. Press. Rate Si Date Tested Production Tog. Press. Csg. Press. Rate Sition of Gas (Sold, used for fuel, venters) all important zones of porosity and connectuding depth interval tested, cushion coveries. Top Bottom d Cliffs 3747' 4113' TVD TVD Top Bottom d Cliffs 1741 TVD Top Bottom d Cliffs 1741 TVD Top Bottom d Cliffs 1741 TVD Top Bottom T	Test Date Tested Production BBL Tog Press. Csg 24 Hr. Oil BBL icition - Interval D Test Hours Test Production BBL Test Press. Csg. 24 Hr. Oil BBL Test Press. Csg. 24 Hr. Oil BBL Test Press. Rate BBL sition of Gas (Sold, used for fuel, vented, etc.) all important zones of porosity and contents thereof including depth interval tested, cushion used, time to coveries. Top Bottom d Cliffs 3747' 4113' GAS TVD TVD GAS TVD TVD TVD Tog. Press. Csg. 24 Hr. Oil BBL Silia 452 #4 PC Horizontal Later Top Bottom TVD TVD TVD TVD TVD TVD TVD TVD	Test Date	Test Date Tested Production BBL MCF BBL Tog Press. Csg. 24 Hr. Oil Gas Water BBL, iction - Interval D Test Hours Tested Production BBL MCF BBL, iction - Interval D Test Hours Tested Production BBL MCF BBL, iction - Interval D Test Hours Tested Production BBL MCF BBL, iction - Interval D Tog. Press. Csg. 24 Hr. Oil Gas Water BBL, MCF BBL, iction of Gas (Sold, used for fuel, vented, etc.) Tog. Press. Rate BBL MCF BBL, iction of Gas (Sold, used for fuel, vented, etc.) Tog. Press. Rate BBL MCF BBL, iction of Gas (Sold, used for fuel, vented, etc.) Tog. Press. Rate BBL MCF BBL, iction of Gas (Sold, used for fuel, vented, etc.) Tog. Press. Rate BBL MCF BBL, iction of Gas (Sold, used for fuel, vented, etc.) Tog. Press. Rate BBL MCF BBL, iction of Gas (Sold, used for fuel, vented, etc.) Tog. Press. Rate BBL MCF BBL Tog. Press. Rate	Test Date Tested Production BBL MCF BBL Corr. APT Tog Press. Csg. 24 Hr. File. BBL MCF BBL Ratio Date Test Hours Do Trest Hours Do Trest Hours Date Tested Production BBL MCF BBL Corr. APT Tog Press. Rate BBL MCF BBL Ratio Dil Gas Date Tested Date Tested Press. BBL MCF BBL Corr. APT Tog. Press. Csg. 24 Hr. Gil Gas BBL MCF BBL Corr. APT Thg. Press. Csg. Press. Rate BBL MCF BBL Ratio Dil Gas DBL Ratio Date Date Description of Gas (Cold. used for fuel, vented, etc.) Tog of Porous Zones (Include Aquifers): all important zones of porosity and contents thereof. Cored intervals and all drill-stem neluding depth interval tested, cushion used, time tool open, flowing and shut-in pressures zoveries. TVD TVD GAS TVD GAS TVD GAS TVD GAS 2. Geologic Report 3. DS dry Notice for plugging and cement verification 5. Core Analysis 7. Other corriformal and correct as determined from all averaging and attached information is complete and correct as determined from all average of correct as determ	Test	The trees The tree The tree The tree The trees The tre

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