Form 3160-4 (September 2001)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No.

WELL	COMPLETION	OR RECOMPL	FTION	REPORT	ANDIO	G
VVELL	CONFERION	OR RECUIRE	1 1014		TIND LO	•

	•										MDΛ	701-9	8-0013		
la. Type o	f Well	Oil '	Well 🔽	Gas Wel	II 🔲 Dry	Other					6.	If Indi	an, Allott	ee or Tribe N	ame
	f Completi				Work Over		eepen 🔲 Plu	ig Back 🔲	Diff. F	Resvr.			che Tribe		····
- •	•		Other .								7.	Unit o	r CA Agr	eement Name	and No.
2. Name c	Operator		Other								2425				
	-		Uv. avena	d cubaidiar	y of Black Hills	Evnloration	on & Production	Inc						d Well No.	
3. Addres		irect who	ny-owneg	Substatal	y Of Black Tills	Explorati	3a. Phone	Me Timehida	Jarea Co	de	 		02-29 No.	1	
350 Indian		ite 400. (Golden, C	O 80401			720-210-4		A		. 1		Vell No.		
					in accordance и	ith Feder	al requirements	* APD	200	رق. س	33	39-261		Funlandor	
		-							2004	É	" .Jl		and Poor, pal Basin	or Explorator	y
At sur	face 1768	3' FSL & 4	137' FWL	, (NWSW)) Unit L		<u> </u>	OF ON		,	∵			., on Block a	nd Surve
At tor	nrod inter	val repor	ted below	1768' FS	SL & 437' FWL (NWSW)	Unit L	Oal Co	. D	V. (١١٠ [أرب	or Ar	ea Sec 20	T29N-R02W	ia sarve
		•					6.7	S. Contraction	. B	بر د	$\frac{1}{12}$	Count	y or Parish	13. Sta	le
At tot	al depth 17	768' FSL	& 437' F\	NF (NM2,	W) Unit L		Á.	Zo.		$\sqrt{9}$	7 1	Arriba	,	NM	
14. Date	Snudded		15. I	Date T.D.	Reached		16. Date Co	ompicted /	1168	ALCO BY		·	tions (DF,	RKB, RT, G	L)*
	op.						□ D.	&A D	ij 6.0 Ready to		İ				
9/24/2000			12/3/					2	11/64				088' KB		
18. Total	Depth: M	D VD 3700	' V B		19. Plug Back) 'D 3661'KB	20.	Depth	Bridge I	Plug Set:	M I	D /D 3432'	K B	
71 Tune F				ogs Run (Submit copy of		MA 100C ~		Was	vell cor	ed?			s (Submit ana	lysis)
ar. Type E				- 0	vvp, vv	,		22.		OST run'	=			s (Submit and	
Triple Lith	o Density,	Array Ind	uction							tional Su		No		s (Submit cop	
23. Casing	and Line	Record	(Report a	ll strings so	et in well)										
Hole Size	Size/Gr	ade W	t. (#/ft.)	Top (M	ID) Bottom	_(MD) s	tage Cementer	No. of Sk		Slurry		Ceme	nt Top*	Amount	Pulled
	3120, 31		(/)	10p (m	2) 20	(2)	Depth	Type of Co		(BB	L)			 	
12 1/4	8 5/8	·	23	0	237.0	6'		350 sx		35 bl	ols		rface;	-	
								K55, ST	&C				c 13.6	 	
7.7/0	(1/2		1.7		3700	101		725	<u>. </u>				urface	 	
7 7/8	5 1/2		17	0	3700.1	50		725 sx (rface; c 56sx		
	+							50/50 pc	02				o pit		
24. Tubing	Record							l					o pit	<u></u>	
Size		Set (MD) Packe	r Depth (N	MD) Size	ΤĎ	Depth Set (MD)	Packer Dept	h (MD)	Si	ze	Depti	h Set (MD) Packer De	pth (MD
1.9		49' KB		3349' KB	-1		<u></u>							/	,
	ing Interva					2	6. Perforation	Record							
	Formatio	n		TOP	Botton	n	Perforated I	nterval	S	ize	No. Ho	les		Perf. Status	
A) Fruitland	d Coal			3388'	3418'		3388-3390, 34	114-3418	.4	jspf -					
B)							3400-34	10	2	jspf	44 tot	al			
2)															
D)			<u> </u>					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						- F	
	racture, Ti		Cement S	queeze, E	.tc.									> <u>#</u>	
		val			<u> </u>			mount and Ty						20 20	<u> </u>
	Depth Inter			w/ 50 O NO	2 treated Slickwate	r with 10,89	93 mscf N2, 40,21	0 lbs of 20/40 I	Brown Br	ady sand a	at 0.25-1 lb	concen	trations. \$	\Box	39 <u>(</u>
			Frac	W/ 30 Q 112									ſ	7)	
			Frac											مانسطه لبالمه	
			Frac												r + '
[388'-3418'	Depth Interv	rval A	Frac												T : "
28. Produc	Depth Interded	Hours	Test	loil	Gas	Water	Oil Grav		jas	Proc	duction Me	ethod		E vi	r a r
1388'-3418' 28. Produc	Ction - Inter	Hours Tested		on Oil BBL	MCF	BBL	Corr. AP		ias Gravity			ethod		E vi	T 3 T
28. Produced	ction - Inter	Hours Tested 24	Test Producti	on Oil BBL	MCF 0 66	BBL 7	Corr. AP	ı G	iravity	Flov	duction Me	ethod		E vi	- REC
28. Produc	ction - Inter Test Date 12/18/03 Tbg. Press. Flgw.	Hours Tested	Test	on Oil BBL	MCF	BBL	Corr. AP	ı G		Flov		ethod		E vi	OR REC
28. Produced Choke Size 1/4	ction - Inter Test Date 12/18/03 Tbg. Press. Flgw. SI	Hours Tested 24 Csg. Press	Test Producti	on Oil BBL	0 66 Gas	BBL 7	Corr. AP Gas: Oil	I G	iravity	Flov	wing	ethod		E vi	OR REC
28. Produce Date First Produced Choke Size 1/4 8a. Produce	ction - Inter Test Date 12/18/03 Tbg. Press. Flgw. SI	Hours Tested 24 Csg. Press	Test Producti	on Oil BBL Oil BBL	0 66 Gas MCF	BBL 7 Water BBL	Corr. AP Gas: Oil	I G	Gravity Vell Status	Flov	wing	ethod		E vi	OR REC
28. Produced Choke Size 1/4	ction - Inter Test Date 12/18/03 Tbg. Press. Flgw. SI	Hours Tested 24 Csg. Press	Test Producti	on Oil BBL Oil BBL	0 66 Gas MCF	BBL 7 Water BBL Water	Corr. AP Gas: Oil Ratio Oil Gravi	I G	ravity Vell Status Vaiting or	Flov n Pipelin	wing			E vi	OR RECO
28. Produced Choke Size 1/4 8a. ProduceDate First Date First	ction - Inter Test Date 12/18/03 Tbg. Press. Flgw. SI	Hours Tested 24 Csg. Press	Test Producti	on Oil BBL Oil BBL	0 66 Gas MCF	BBL 7 Water BBL	Corr. AP Gas: Oil Ratio	I G	Fravity Fell Status Faiting O	Flov n Pipelin	wing e				S S S S S S S S S S S S S S S S S S S
28. Produced Choke Size 1/4 8a. Produced Date First Produced Choke Size Choke Size Choke Size Choke Size	ction - Inter Test Date 12/18/03 Tbg. Press. Flgw. SI Test Date Tog. Tog. Tog. Tog. Tog. Tog. Tog.	Hours Tested 24 Csg. Press val B Hours Tested	Test Producti 24 Hr. Rate Test Product 24 Hr.	on Oil BBL Oil BBL	MCF 66 Gas MCF Gas MCF	Water BBL Water Water	Corr. AP Gas: Oil Ratio Oil Gravi Corr. API Gas: Oil	W G G G	ravity Vell Status Vaiting or	Flown Pipelin	wing e			E vi	OR PAC
28. Produced Choke Size 1/4 8a. Produced Date First Produced	Depth Inter- Depth Inter- Detion - Inter- Test Date 12/18/03 Tbg. Press. Flgw. SI Ction - Inter- Test Date	Hours Tested 24 Csg. Press	Test Producti 24 Hr. Rate	on Oil BBL Oil BBL	0 66 Gas MCF	Water BBL Water BBL	Gas: Oil Ratio Oil Gravi	W G G G	Fravity Vell Status Vaiting or Gas Gravity	Flown Pipelin	wing e			E vi	OR REC

28b. Produ	ction - Inter	val C								•			
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	Tbg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status	Vell Status				
28c. Produ	ction - Inter	rval D		·			J						
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity					
Choke Size	Thg Press Flwg. SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas: Oil Ratio	Well Status					
29. Dispos	ition of Gas	(Sold use	ed for fuel, v	ented, etc	.)			- · · · · · · · · · · · · · · · · · · ·					
30. Summa	ary of Poro	us Zones (Include Aqı	ifers):			•	31. Forma	tion (Log) Markers				
tests,	all importa including d coveries.	ant zones epth interv	of porosity : val tested, cu	and conte shion use	nts thereof:	Cored intervals open, flowing an	and all drill-stem d shut-in pressures	i					
Form	ation	Тор	Bottom		Descriptions, Contents, etc.				Name	Top Meas. Depth			
32. Additio	onal remark	cs (include	plugging pr	ocedure):					San Jose Lower San Jose Nacimiento Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis	~ surface 1345' 2078' 2982' 3307' 3373' 3445' 3570'			
32 Circle	enclosed at	Inchments											
1 Ele 5 Sur	ectrical/Mecondry Notice	hanical Lo	ogs (1 full se	nt verifica	tion 6	Geologic Report	7 Other:		Directional Survey				
34. I hereb	y certify th	at the fore	going and at	tached in	ormation is	complete and co	orrect as determined	from all avai	lable records (see attached in	structions)*			
Name	(please prii	11) Allison	Newcomb				Title Engineeri	ng Technician					
Signature all won Mewcomb Dat								Date 2/19/2004					

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 to any department or agency of the United States any false fictitious or fraudulent statements or representations as to any matter within its jurisdiction.