Form 3160-4 (September 2001)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Symires: January 31, 2007

5. Lease Serial No.

\A/E1 I	COMPL	FTION O	RECOMPL	ETION REPORT	ANDIOG
VVELL	CONIC		V VECOIME I		AND LOG

													MI	OA 701-98	3-0013		
la Type o	f Well		Dil Wel		Gas Well	□ Dry	Other						7	5. If India	n, Allotte	e or Tr	ibe Name
la. Type of Well Oil Well Gas Well Dry Other b. Type of Completion: New Well Work Over Deepen Plug Back Diff. Resvr.										Jica	Jicarilla Apache Tribe						
											7. Unit or CA Agreement Name and No.						
2)!	60 4			other									242	254			
2. Name o													1	3. Lease N	lame and	Well N	۷o.
Mallon Oil Company, an indirect wholly-owned subsidiary of Black Hills Exploration & Production											Jica	Jicarilla 28-02-05 No. 1					
3. Address 3a. Phone No. (include area code) 720-210-1308												<u> </u>	9. API Well No.				
						accordance		J 1	<u> </u>					039-2609			
4. Location	or well (Kepor	i iocan	on cie	ariy ana ir	accoraance	wiin Fed	aerai re	quirements		<u> </u>	•	W/3/10	0. Field a	nd Pool, c	or Explo	oratory
/ At sur	face 1760	0' FSL	& 176	0' FEL	(NW/SE)	Unit J			1	MU M	FEB 2	004			n, Tertiary		· · · · · · · · · · · · · · · · · · ·
Land the second of the second												ीं	1. Sec., 7	., R., M.,	, on Blo	ock and Survey	
At top prod. interval reported below 1760' FSL & 1760' FEL (NW/SE) Unit J													OI AIC	a Sec. 5, T	28N-R02	2W	
At total depth 1760' FSL & 1760' FEL (NW/SE) Unit J												- i ∞/	72. County or Parish 13. State Rio Arriba NM				
14. Date	Spudded			15. E	Date T.D. R	eached			16. Date Co		i Zi∵Ready,	to-Prod	1 کتریکی	7. Elevati	ons (DF,	RKB, F	₹T, GL)*
9/29/2000				12/14	/2000					~ 0.3	SIGIL.			28' GL, 72	40' KB		
18. Total			850' K	В	1	9. Plug Bac			817' KB		20. Dep	th Brid	ge Plug Se		D 3455' l	KB	
21. Type E	lectric & C	Other N	A echan	ical L	ogs Run (S	ubmit copy of					22. Was	s well o	ored?	☑ No			it analysis)
						.,	ŕ					S DST r		☑ No			it report)
Radioactive	Tracer, A	rray Ir	iductio	n, Cor	npensated 1	Neutron Den					Dir	ectional	Survey?	☑ No	Yes Yes	(Subm	it copy)
23. Casing	and Line	r Reco	ord (Re	port al	l strings sei	in well)											
Hole Size	Size/Gr	rade	Wt. (#	:/ft.)	Top (MI) Botton	m (MD)		Cementer Depth		of Sks. & of Cement		rry Vol. BBL)	Cemen	t Top*	Aı	mount Pulled
12 1/4	12 1/4 8 5/8 24			0 252.62		2.62			11	0 & 111	23 bbls		surface;				
														circ.	20sx		
]							<u> </u>	 			ļ		to	pit		
7 7/8	5 1/2		17		0	385	50.94			975 & 50/50			surface				
	K-	<i>5</i> 3									poz			circ. 20sx		ļ	
	<u> </u>							<u></u>		L		<u> </u>		to	pit		
24. Tubing		0 . /	an I			<u></u>		- ·	0 0 00		5 11 (2.47)		0.1	15.		In 1	5 1 (1.5)
Size	 -	ı Set (l			r Depth (M	D) Siz	ze	Depth	Set (MD)	Packer	Depth (MD	"	Size	Depth	Set (MD)	Pack	ker Depth (MD)
2 3/8 25. Produc		04' KB			504' KB			16 D	erforation	Dagard							
23. Floud	Formatio			т	TCOD	Rott	om					Size	No. I	Joles		Perf. S	et of the
A) San Jose				+	TOP Bottom			Perforated Interval							itatus		
B)				-	1559'	1620'			1559-1583, 1588-1595, 1606-1620			2 jspf					
C)				+					1000-10	20							
D)				+								····	+				
27. Acid, F	racture T	reatine	nt Cer	nent S	queeze Ete												
	epth Inter		,	T	<u> </u>				A	nount ai	nd Type of	Materia	ıl				
1559'-1620'				Frac	w/ 75 quality	foam. 305,50	0 scfofN	2. 60,800						otal of 68.9	40 lbs. pror	pant at 1	1-5
				_	stages.		· · · · · · · · · · · · · · · · · · ·										**************************************
				T		***************************************									············		
																	
28. Produc	tion - Inte	rval A															
Date First Produced	Test Date	Hours		est roductio	Oil BBL	Gas MCF	Wat BBI		Oil Grav Corr. AP		Gas Gravity		Production	Method			
. 1044	7/3/03	24	- 1		0	0		139		•	0.2.0,		Flowing				
Choke	Tbg. Prese.	Csg.		4 Hr.	Oil	Gas	Wat		Gas: Oil		Well Stat		Towing				
Size	Figw.	Press	R	ate	BBL	MCF	BBI	L	Ratio								
3/8		<u></u>	L	$\bot \bot$							Waiting	on Pipe	eline				
Data First			1		100	10			163.5		1						, · ·
Date First Produced	Test Date	Hours Tested		est roducti	on BBL	Gas MCF	Wat BBI		Oil Gravi Corr. API		Gas Gravity	1	Production N	lethod		:	
						•											
Choke Size	Tbg. Press.	Call Press	2	4 Hr.	Oil BBL	Gas MCF	Wat BB		Gas: Oil		Well Stat	us					
İ	Flwg. SI		K	ate	1,25	1	100		Ratio						S.,		
(See instru	ctions and	l space	es for a	dditio	nal data on	next page)								F 1000 # 25			
		, ~-~				/											

Date From Top Production Markets Production P	28b. Produ	ction - Inter	val C			,										
Size Profestion - Interval D Dube First Total Hours Profestion Profestion Dube First Total Hours Profestion Dube First Total Hours Profestion Dube First Total Total Profestion Dube Dube First Total Hours Profestion Dube First Total Dube First Dube F				Test Production	Oil BBL	Gas MCF		Oil Gravity Corr. API		Production Method						
Dec Frein Test Te		Flwg.	Csg. Press	24 Hr. Rate	Oil BBL				Well Status	iatus						
Dec Frein Test Te	28c. Produ	ction - Inter	val D		L	ــــــــــــــــــــــــــــــــــــــ			J							
Size Si	Date First	Test	Hours	Test Production	Oil BBL			Oil Gravity Corr. API		Production Method						
30. Summary of Porous Zones (Include Aquifers): Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shuf-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name Top_Meas. Depth San Jose —surface Lower San Jose 1401 Nacimiento 2083 Ojo Alama Ojo Alama Frituland 3533 Pictured Cliffs 35772 Lewis 3677 32. Additional remarks (include plugging procedure): 33. Circle enclosed attachments: ○ Electrical/Mechanical Logs (I fall set regd.) 2 Geologic Report 5 Sundry Notice for plugging and cement verification 6 Core Analysis 7 Other: Denation Survey 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)* Name (please printy Allison Newcomb Title Engineering Technician	Choke Size	Flwg.				Gas MCF			Well Status							
Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth intorval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name Top Meas. Depth San Jose -surface Lower San Jose 1401' National Contents of San Jose 140	-	ition of Gas	(Sold use	d for fuel, v	ented, etc.)											
tests, including depth interval tested, coshion used, time tool open, flowing and shut-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name Top Meas. Depth San Jose -surface Lower San Jose 1401' Nacimiento 2083' Ojo Alarno 3003' Kiritand 3399' Frintand 3353' Pictured Cliffs 3572' Lewis 3677 32. Additional remarks (include plugging procedure): 33. Circle enclosed attachments: ① Electrical/Mechanical Logs (1 full set req'd.) 2 Geologic Report 3 DST Report 4 Directional Survey 5 Sundry Notice for plugging and cement verification 6 Core Analysis 7 Other: Deviation Survey 34. 1 hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)* Name (please print) Allison Newcomb Title Engineering Technician	30. Summa	ary of Porou	ıs Zones (nclude Aqu	ifers):	31. Formatio	on (Log) Markers									
San Jose San Fose Lower San Jose	tests,	including de	ant zones o epth interv	of porosity a al tested, cu	and content shion used,	s thereof: C time tool op	fored interval en, flowing a	s and all drill-stem nd shut-in pressures								
32. Additional remarks (include plugging procedure): 33. Circle enclosed attachments: (include plugging procedure): 34. Circle enclosed attachments: (include plugging and cement verification is complete and correct as determined from all available records (see attached instructions)* Name (please print) Allison Newcomb Title Engineering Technician Title Engineering Technician Title Engineering Technician	Form	ation	Тор	Bottom		Descri	ptions, Conte	nts, etc.		Name						
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Mainon Muscomb	5 Sur 34. I hereb	ctrical/Mecondry Notice	hanical Lo for pluggin at the fore	gs (1 full seing and cemen	nt verificati	on 6 C	ore Analysis	Other:	Peviation Survey		ctions)*					
	Minn Muscomb															

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.