Form 3160-4

## UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED OMB No. 1004-0137

BUREAU OF LAND MANAGEMENT  WELL COMPLETION OR RECOMPLETION REPORT AND LOG											Expires. July 31, 2010  5. Lease Serial No. NMSF078463A					
																la. Type o
b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr. Other											lesvr.	7. Unit or CA Agreement Name and No.				
2. Name o NOBL	f Operator E ENERGY	INC	E				AN MMU ergyinc.com					8. Lo	ase Name	and Wo	ell No. ERAL 28 2	
3. Address	5802 US FARMING		VI 87401				3a. Pho Ph: 30		o. (include ar 3-4316	ea code)	)	9. A	PI Well No		5-33939-00-D1	
	n of Well (Re	•	Ť				•	nents	)*			10. I	reld and Po	ool, or I	Exploratory	
At ton	ace NWNE		. 1875FEL (					lat 1	108 20726 \	N Lon		11. 5	Sec., T., R., r Arca Se	M., or c 28 T	Block and Survey 31N R13W Mer NMP	<b>,</b>
At total	•	•	NL 1875FE						100.20720 1	V LOII			County or P		13. State NM	
14. Date S 09/29/	Spudded 2007			ate T.D. F /10/2007		·	1 🗆	D &	Completed A Re 1/2007	ady to P	rod.	17. I	Elevations ( 57	DF, KI 57 GL	B, RT, GL)*	
18. Total I	Depth:	MD TVD	6560 6560		19. Plug	Back T	.D.: M	D VD	6560 6560		20. De	pth Bri	dge Plug Sc		MD 6150 TVD 6150	
21. Type I GR NE	Electric & Oth EUT DEN CE	er Mecha BL GR NE	nical Logs R EUT DEN C	un (Subm BL GR N	nit copy o	of each) EN CBL	-		22	Was I	well core DST run'tional Su	?	🔀 No 🔝	Yes	(Submit analysis) (Submit analysis) (Submit analysis)	
23. Casing a	and Liner Reco	ord (Repo	ort all strings	I			I				1 ~.					
Hole Size	Size/G	rade	Wt. (#/ft.)	Top (MD)		ottom MD)	Stage Cem Depth		No. of S Type of C		Slurry (BE		Cement 7	Гор*	Amount Pulled	
13.500		625 J-55	36.0	†——	0	330	<del>                                     </del>			310	+	63		0		
8.750 6 250	<del></del>	00 N-80 00 N-80	23.0 11.6		0	4723 6560	<del></del>			425 185	+	196 53		0 4070	<del></del>	
0 230	4.5	100 14-00	11.0		1	0300					<del>'                                       </del>	33	Dí		TAN 15'08	
															ANS. DIV.	
24. Tubing	Record													D	<u>151. 2</u>	
Size	Depth Set (M		acker Depth		Size	Dept	h Set (MD)	P	acker Depth	(MD)	Size	De	pth Set (Mi	D)	Packer Depth (MD)	
2.375	ing Intervals	6502		2195		26	Perforation	Reco	ord.							
	ormation		Тор		Bottom	_			Interval		Size	١,	lo. Holes	ı	Perf. Status	
A)		COTA	ТОР	6485	65		1 01101	uicu	6485 TO	5533	3.1			BASI	N DAKOTA PERF'D	AND REA
B)									6485 TO	3533	3.1	30	78	BASI	N DAKOTA PERF'D	AND REA
<u>C)</u>						_				_		_				
D) 27 Acid F	racture, Treat	ment Cer	nent Sauceza	2. Etc		L				L_				l		
	Depth Interva		l l	., 2.0.				Aı	nount and T	ype of M	laterial					
	64	85 TO 65	533 ACIDIZI	E W/ 1000	GAL 15%	6ACID, [	OROP 50 BIG	O-SE/	ALER BALLS	. GOOD	BALL AC	TION,	BALLED OF	F @47	'00PSI	
		85 TO 65							83MSCF N2, 10MIN=2183		,				TE=43BPM	
28 Product	tion - Interval	A														
Date First	Test	Hours	Test	Oil	Gas		Vater	Oil Gr		Gas		Producti	on Method			
Produced A	Date 11/26/2007	Tested 24	Production	BBL 00	MCF 19	9.0	BBL 0.0	Corr /	API	Gravity	,		FLOV	VS FRO	DM WELL	
Choke	Tbg Press	Csg	24 Hr	Oil	Gas		Vater	Gas.O	ıl	Well St	tatus	<u> </u>				
Size .	Flwg SI 1315	Press 650.0	Rate	BBL 0	MCF	99	BBL 0	Ratio			GSI					
28a. Produ	ction - Interva	l B														
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF		Vater BBL	Oil Gr		Gas Gravity	,	Producti	on Method			
В	11/26/2007	24		0.0	1	9.0	0.0						FLOV	VS FRO	DM WELL	
Choke Size	Tbg Press Flwg.	Csg Press	24 Hr Rate	Oil BBL	Gas MCF		Vater BBL	Gas·O Ratio	ıl	Well St	tatus	-				

650 0

SI 1315

0

199

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #58003 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\*

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Formation Top Bottom Descriptions, Contents, etc. Name Meas.  OJO ALAMO KIRTLAND 834 KIRTLAND COAL 122 PICTURED CLIFFS 188 CLIFF HOUSE 333 POINT LOOKOUT 425 GALLUP 584 GALLUP AKOTA 641  32. Additional remarks (include plugging procedure):	28b. Proc	duction - Interv	al C											
Chale Store Freq. Freq. Freq. Freq. Freq. Freq. Freq. Freq. Fred. Freq. Fred.	Date First Test Hours									Production Method				
Per	Troduced		resieu			Ici		Con 7117		Clarity				
Due Fine   Test   Test   Test   Production   Due   Company   Due		Flwg	Csg Press							Well Status				
Date   Treated   Production   Bill   MCF   Bill   Corr API   Growny	28c. Proc	duction - Interv	al D	·	1	1								
Size   Fing   Priss   Rate   BBL   MCF   BBL   Rate											Production Method			
So. Summary of Porous Zones (Include Aquifors):  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 shut-in pressures and recoveries.  Formation  Top  Bottom  Descriptions, Contents, etc.  Name  ARRITAND  OLO ALAMO RETURNO  OLO ALAMO RETURNO  OLIF HOUSE  CLIFF HOUSE  ARLUP  DAKOTA  64:  32. Additional remarks (include plugging procedure):  33. Circle enclosed attachments:  1. Electrical/Mechanical Logs (I full set req'd.)  5. Sundry Notice for plugging and cement verification  6. Core Analysis  7. Other:  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):  Electronic Submission #58003 Verified by the BLM Well information System.  For NOBLE ENERGY INC., See It to the Family JEAN MMUSE  Title REGULATORY COMPLIANCE		Flwg								Well Status				
Show all important zones of proxisity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.  Formation Top Bottom Descriptions, Contents, etc. Name Toward Meas.  Formation Top Bottom Descriptions, Contents, etc. Name Toward Meas.  OJO ALAMO 344.  RISTLAND COAL 122  PICTURED CLIFFS 332  CONTITION CONTENT 332  CONTITION CONTENT 332  CONTITION CONTENT 332  CONTITION CONTENT 332  AKOTA 64:  33. Circle enclosed attachments:  1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geologic Report 3. DST Report 4. Directional Surve 5. Sundry Notice for plugging and cement verification 6. Core Analysis 7 Other.  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):  Electronic Submission #\$58083 Verifiered by the BLM Well Information System.  Committed to AFMSS for processing by JIM LOVATO on 01/15/2008 (08IXL00445E)  Name (please print) JEAN M MUSE  Tate REGULATORY COMPLIANCE			Sold, used	for fuel, ven	ted, etc.)	<u> </u>		<u>l.</u>	<u>I</u>					
tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.  Formation Top Bottom Descriptions, Contents, etc. Name To Meas.  Authority of Meas.  Auth			Zones (In	clude Aquife	ers):					31. For	mation (Log) Mar	kers		
Formation Top Bottom Descriptions, Contents, etc. Name Meas.    Author	tests,	including dept									~			
32. Additional remarks (include plugging procedure):  33. Circle enclosed attachments:  1. Electrical/Mechanical Logs (I full set reg'd.)  2. Geologic Report  3. DST Report  4. Directional Surve  5. Sundry Notice for plugging and cement verification  6. Core Analysis  7. Other:  34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):  Electronic Submission #58003 Verified by the BLM Well Information System.  For NOBLE ENERGY INC, sent to the Farmington  Committed to AFMSS for processing by JIM LOVATO on 01/15/2008 (08)XL0044SE)  Title REGULATORY COMPLIANCE	<del></del>	Formation	<u>T</u>	Тор	Bottom		Description	ıs, Contents,	etc.		Name	Top		
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Electronic Submission #58003 Verified by the BLM Well Information System. For NOBLE ENERGY INC, sent to the Farmington Committed to AFMSS for processing by JIM LOVATO on 01/15/2008 (08JXL0044SE)  Namc (please print) JEAN M MUSE  Title REGULATORY COMPLIANCE			•	•	• '		-	•						
For NOBLE ENERGY INC, sent to the Farmington Committed to AFMSS for processing by JIM LOVATO on 01/15/2008 (08JXL0044SE)  Namc (please print) JEAN M MUSE  Title REGULATORY COMPLIANCE	34. I here	eby certify that	the forego	oing and attac	ched informa	ation is co	mplete and corr	ect as determ	nined froi	m all available	records (see attac	hed instruction	ons):	
Name (please print) JEAN M MUSE  Title REGULATORY COMPLIANCE					For	NOBLE	<b>ENERGY INC</b>	C, sent to th	ie Farmii	ngton				
Signature (Electronic Submission) Date 01/14/2008	Name	c (please print)	JEAN M			-5 .0. p.0				,	ŕ			
	Signa	nture	(Electron	ic Submiss	ion)		Date	Date 01/14/2008						
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													~	