FORM 3160-4 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO 1004-0137

Expires July 31, 2010 LEASE DESIGNATION AND SERIAL NO

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According Acco			cı Y	\	100	OU		575	5-748-6	940	ļ		30	-015-376	78	
According Acco			tion clearl	y and in a	ccordan	ce with Fea	eral requirem	ients)*			10	FIELD N	AME			
At total deepth 331 F.NL & 349 F.EL, Unit A (NENE) of Sec 9-T26S-R29E At total deepth 331 F.NL & 349 F.EL, Unit A (NENE) of Sec 9-T26S-R29E At total deepth 331 F.NL & 349 F.EL, Unit A (NENE) of Sec 9-T26S-R29E At total deepth 331 F.NL & 349 F.EL, Unit A (NENE) of Sec 9-T26S-R29E At total deepth 331 F.NL & 349 F.EL, Unit A (NENE) of Sec 9-T26S-R29E At total deepth 331 F.NL & 349 F.EL, Unit A (NENE) of Sec 9-T26S-R29E At total deepth 331 F.NL & 349 F.EL, Unit A (NENE) of Sec 9-T26S-R29E At total deepth 331 F.NL & 349 F.EL, Unit A (NENE) of Sec 9-T26S-R29E At total deepth 331 F.NL & 349 F.EL, Unit A (NENE) of Sec 9-T26S-R29E At total deepth 331 F.NL & 349 F.EL, Unit A (NENE) of Sec 9-T26S-R29E Total Deepth 340 F.EL, Unit A (NENE) of Sec 9-T26S	At surface 43	0' FSL & 33										Corral (Canyo	n; Bone S	Spring,	South
All copy and Interval reported below 31 FNL & 349 FEL, Unit A (NENE) of Sec 9-T26S-R29E		V I DE CC 33	O I LL	, Omit i	(DD	ob) or s	700 / 120	O REJE					_			
Accord depth 331 F.F.H. & 349 F.EL, Unit A (NEND) of See 9-T26S-R29E	At top prod Inter	val reported below	w													JE .
14 Date Speaded 15 Date T D. Reached 16 Date Completed 8/24/11 17 ELEVATIONS (DF, RKB, RT, GR, etc.)*	At total depth	331' FN	L & 34	9' FEL.	Unit	A (NE	NE) of Se	c 9-T26S-	R29E	_	12.			AKISH 13		
10/30/10						<u>`</u>	<u> </u>				17			DE RKR RT		*
18 Total Depth MD	-	l.						•			- 1				, ar, ac	
Typ Typ Electric & other Logs Rum (Submit a copy of each) None 22 Was well circled No Yes (Submit analysis) Was DST rum? No Yes (Submit analysis) None Was DST rum? No Yes (Submit analysis)						k T D										
Type Electric & other Logs Run (Subrant a copy of each) None	10 Tom 2 Tpm									20 200	Dilago	riag out	_)		
None Was DST run? No Yas (Subent report)	21 Type Ele			ibmit a con	v of eac	h)	1,12			22 Was	well core	d2 F			(Submit a	nalysis)
Directional Survey? No Yes (Subent copy)		208	55 11441 (00	•	•	,						Ŀ	_		•	- *
Casing and Liner Record (Report all strings set in well) Casing and Liner Record (Report all strings set in well) Top (MD) Botton(MD) Stage Comenter No of Six & Type of Cement Top (MD) Stage Comenter No of Six & Type of Cement Top (MD) Record Casing and Casing a				14	One				ļ			_	_	لـــا	-	-
Hole Size Size Grade Wit. (#/ft.) Top (MD) Bottom(MD) Stage Cementer Depth Of Cements Sturry Vol. (BBI) Cement Top* Amount Palled		11 0	/D							Direc	uonai St	Irvey L	NO	X res	(Submit C	ору <i>)</i>
17 1/2			T					Stage Ce	menter	No of Sks &	. Type					
12 1/4" 9 5/8" 155 36# 0 2836' 1050 sx 0 None	Hole Size	Size/ Grade	Wt. ((#/ft)	Тор (MD)	Bottom(MD)	_				Slurry Vo	ol (Bbl)	Cement To	p* Amo	unt Pulled
7 7/8" 5 1/2" N80 17# 0 11740' 6831' 1560 sx 0 None		13 3/8" H40	48	3#	0		423'			450 s	X			0]	None
24 Tubung Record Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Packer Dept	12 1/4"			5#	0		2836'			1050 s	SX			0	1	None
Size	7 7/8"	5 1/2" N80	17	7#	0		<u>11740'</u>	683	1'	1560 s	SX			0		None
Size	24 Tuber														l	
27/8" 6860' 6860' 25 Producing Intervals Formation Top Bottom Perforated Inteval Size No of Holes Perf Status A) Bone Spring 7450' 11600' 7450-11600' 0.42" 325 Open B) C) D) 27 Acid, Fracture Treatment, Cement Squeeze, Etc Depth Interval 7450-11600' Acidz w/38766 gal 15% acid; Frac w/4040837# sand & 3069103 gal fluid RECLAMATION DUE 2-24-12 28 Production- Interval A Date First Press SI 2250# 1100# 24 Production Bibl MCF Bibl Gas Nater SI 289 2456 1681 Production- Interval B Date First Press SI 2250# 1100# Test Production Bibl MCF Bibl Gas Water SI 289 2456 1681 Production- Interval B Date First Test Date Production- Interval B Date First Test Date Production- Interval B Date First Test Date Press SI 2250# 1100# Test Production Bibl MCF Bibl Gas Water Gas Oil Bibl Gas Ratio Production- Interval B Date First Test Date Production- Interval B Date First Rest Date Rest Da			D) Pac	cker Denth	(MD)	Size	Der	oth Set (MD)	Packer	Denth (MD)	Sız	re T	Denth	Set (MD)	Packer D	enth (MD)
25 Producing Intervals			-,						1	2 op a. (2)		~	2 cp	200 (1.12)		
Formation		ng Intervals					26	Perforation	Record							
B) C) D) Acid,Fracture Treatment, Cement Squeeze, Etc Depth Interval Acid Fracture Treatment, Cement Squeeze, Etc Depth Interval Acid Fracture Treatment, Cement Squeeze, Etc Amount and Type of Material 7450-11600' Acid Evidence Test Date Production Interval A Date First Produced 9/6/11 9/10/11 24 24 289 2456 1681 Choke Size Tbg Press Si 2250# 1100# 289 2456 1681 288 Production-Interval B Date First Production-Interval B Date First Test Date Hours Production Bbl MCF Bbl Ratio Choke Size Tbg Press Si 2250# 1100# 289 2456 1681 Test Date Hours Production-Interval B Date First Test Date Hours Test Doil Gas Water Gas Oil McF Bbl Ratio Choke Size Tbg Press Five Press Si 2250# 1100# 3289 2456 1681 Choke Size Tbg Press Five Production Bbl MCF Bbl Ratio Choke Size Tbg Press Five Production Bbl MCF Bbl Ratio Choke Size Tbg Press Five Press Five Production Bbl MCF Bbl Ratio Choke Size Tbg Press Five Press Si 24 Hr Rate Oil Bbl Gas Water Gas Oil Gravity Gas Gravity Gr				Top	р.	Botto	m	Perforated In	nteval	Sız	e	No of	Holes	P	erf Status	
C) D) 27 Acid, Fracture Treatment, Cement Squeeze, Etc Depth Interval 7450-11600' Acidz w/38766 gal 15% acid; Frac w/4040837# sand & 3069103 gal fluid RECLAMATION DUE 2-2-4-12 28 Production-Interval A Date First Produced 9/6/11 9/10/11 24 Tested 9/6/11 9/10/11 24 Tested Production Bbl MCF Bbl Corr API Gravity Gravit	A) B	one Spring		745	0'	1160	0'	7450-11	600'	0.4	2"	32	5		Open	
Depth Interval	B)															
27 Acid, Fracture Treatment, Cement Squeeze, Etc Depth Interval 7450-11600' Acidz w/38766 gal 15% acid; Frac w/4040837# sand & 3069103 gal fluid RECLAMATION DUF 2-24-12 28 Production- Interval A Date First Produced 9/6/11 9/10/11 24 Production Test Date Production Progress St 2250# 1100# Production Test Date Production Flwg St 2250# 1100# Production Test Date Production Flwg St 2250# Tog Press Choke Size Tog Press Flwg St 2250# Tog Press Choke Size Tog Press Flwg St 2250# Tog Press Choke Size Tog Press Flwg Press Flwg Press Flwg Press Choke Size Tog Press Choke Size Tog Press Choke Size Tog Press Cog 24 Hr Rate Oil Bbl Gas Water Gas Oil Ratio MCF Bbl Corr API Gravity Gas Production Production Well Status BOREA/ OF LAND MANAGEMENT CARL SBAD FIELD OFFICE	C)										.					
Depth Interval 7450-11600' Acdz w/38766 gal 15% acid; Frac w/4040837# sand & 3069103 gal fluid RECLAMATION DUE 2-2-4-12 28 Production- Interval A Date First Produced 9/6/11 9/10/11 24	_															
Production- Interval A Date First Test Date Production Production 9/6/11 9/10/11 24 Production- Interval B Date First Test Date Press S1 2250# 1100# Produced Production Bbl Gas Water Gas Oil Bbl Ratio Production Interval B Date First Test Date Production Interval Bbl Gas Water Bbl Ratio Production Interval Bbl Gas Water Gas Oil Gravity Gas Gravity Production Interval B Bbl Corr API Production Bbl Ratio Bbl Corr API Production Method Gravity Production Production Bbl Corr API Production Method Gravity Production Met			Cement S	queeze, Etc	<u> </u>				<u> </u>	-1 T C) (1					
Production - Interval A				Acdzu	u/387/	56 gal 1	50/- acid:					2 gal f	luid			
Production Interval A		0-11000		Acuz v	V/ 30 / V	Jo gai i	370 aciu,	11ac w/40-	+003/π	Sailu & 3	00910	J gai i	lulu			
Production Interval A				-										TT A B	T A TOTAL	ON
Date First Produced 9/6/11 9/10/11 24 Production Bbl MCF Bbl Corr API Gravity Gas Gravity Production Method Choke Size Tog Press Flwg SI 2250# 1100# Production Bbl Gas MCF Bbl Ratio Date First Produced 9/6/11 9/10/11 24 Production Bbl Gas MCF Bbl Ratio Test Date Press Flwg Press Tested Production Bbl Gas MCF Bbl Ratio Date First Produced Test Date Hours Test Date Production Bbl Gas Water Bbl Ratio Production Bbl Gas Water Bbl Ratio Choke Size Tog Press Flwg Press Flwg Press SI Date Production Bbl Gas MCF Bbl Ratio Bbl Ratio Corr API Gravity Gas Gravity Corr API Gravity Gas Gravity Flwg Gravity Corr API Gravity Gas Gravity Gravity Gas Gravity Gas Gravity Gas Gravity									_						<u> </u>	- FIA
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Produced 9/6/11 9/10/11 24	28 Producti	on- Interval A														
9/6/11 9/10/11 24	Date First	Test Date		1			ı			·		Prod	uction M	lethod		
Choke Size Tog Press Press 1100# 289 24 Hr Rate Oil Bbl Gas MCF Bbl Ratio Producing 28a Production- Interval B Date First Produced Test Date Hours Test Production Bbl MCF Bbl MCF Bbl Ratio Choke Size Tog Press Csg 24 Hr Rate Oil Bbl Gas Water Bbl Corr API Gravity Gravity		0/10/11		Produ	iction		1	l l	Corr AP	PI Grav				Pumn	ina	
Flwg S1 2250# 1100# — 289 2456 Bbl Ratio Producing 28a Production- Interval B Date First Produced Test Date Hours Test Production Bbl MCF Bbl Corr API Gravity Choke Size Tbg Press Csg Press S1				24 Hr	Rate				Gas Oil	Well			TF	U tentili	4187 F	COR D.
28a Production- Interval B Date First Produced Test Date Hours Test Doll Gas Water Bbl Corr API Gravity Gas Gravity Choke Size Tbg Press Flwg SI Date First Production Production Bbl Gas Water Gas Oil Ratio Bbl Ratio Bbl Ratio BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE		Flwg	Press	İ			MCF	ВЫ	1		1776	JULI	ıL	Producii	۱۱۱ ng	עווטט
Date First Produced Test Date Hours Test Oil Gas Water Bbl Corr API Gas Gravity Gas Gravity Product Pr		2250#	1100)# —		289	2456	1681	ŀ		 	$-\Gamma$				7
Produced Tested Production Bbl MCF Bbl Corr API Gravity Choke Size Tbg Press Flwg SI Corr API Gravity Well Status BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE			Irr.	Tan		0.1	16	- Inv.	losa	. 12	<u> </u>			J. 4. 50 2	2001	
Choke Size Tbg Press Csg 24 Hr Rate Oil Bbl Gas Water Gas Oil Ratio BUREAU OF LAND MANAGEMENT CARL SBAD FIELD OFFICE	Date First Produced	i est Date	1	- 1			1	1		-	lttv	Prod	nct QuE	ethofi	. (0)	
Flwg Press MCF Bbl Ratio BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE			<u></u>	-	→									Como	4	
	Choke Size	•		24 Hr	Rate	Oıl Bbl			1	Well						
			Press	_			MCF	RpI	Katio							
	* See instructions	and spaces for ad-	ditional de	eta on page					<u> </u>				KKTZB	AU FIELL	LUFFIC	<u> </u>

Indicate which stems have been attached by placing a check in the appropriate boxes Personal Content of Con		on-Interval											
Power Press Pres	Date First Produced	Test Date			Test Production	Oil Bbl	Gas MCF	Water Bhl			Gas Gravitv	Production Metho	d ,
Top of Salt 1313' Belaware 2924' 6663' 11773' Borton of Salt 2752' Bone Spring 6664' Bone Spring 6	Choke Size	Flwg			24 Hr. Rate	Oıl Bbl	1				Well Status		
Top of Salt 1313' Belaware 2924' 6663' 11773' Borton of Salt 2752' Bone Spring 6664' Bone Spring 6	28c Product	Ion- Interval I				L			i	-	<u> </u>		
December Top Press Cag Press	Date First			rs	Test	Oıl	Gas	Water	Oil	Gravity	Gas	Production Metho	od
Page	roduceđ	<u> </u>					MCF	ВЫ	Со	rr API	Gravity		
Solid Summary of Porous Zoess (include Aquifers) Show all important zones of porously and contents thereof Cored untervals and all draff-stern tests, unclude contents thereof Cored untervals and all draff-stern tests, unclude contents thereof Cored untervals and all draff-stern tests, unclude contents the property bench, include power and all draff-stern tests, unclude property bench, include power and property bench, include property bench, include power and property bench, include power bench, include power bench, include power and property bench, include power bench	Choke Size	Flwg	_		24 Hr Rate	Oil Bbl					Well Status		
Show all important zones of promary and contracts thereof Cornel intervals and all doll-stem tests, uncluding depth interval tested, cushoon used, time tool open, flowing and sturt-in pressures and recoverings. Formation Tep Bottom Descriptions Contents, Etc Name Top Measured Depth Selaware 2924' 6663' 11773' Bottom of Salt 2752' Delaware 2924' Bone Spring 6664' 11773' Bottom of Salt 2752' Delaware 2924' Bone Spring 6664' 11773' Bottom of Salt 2752' Delaware 2924' Bone Spring 6664' Bone Sprin		of Gas <i>(Sold</i> ,	used for f	uel, vente	ed, etc)								
scenario depth marval tested, cushion used, time tool open, flowing and shut-in pressures and recovering from the foreign and shut-in pressures and recovering from all available records (see statehed marructions)* Indicate which items have been attached by placing a check in the appropriate boxes DST Report Dorestoeral Survey Dorestoeral Su	0 Summary of	Porous Zone	s (include	Aquifers	s)					31 Forma	tion (Log) Market	rs	
Permattern Top Borton Descriptions Contents, Etc Name Top Measured Depth Measured Depth Measured Depth Measured Depth George Spring George 11773'	including de								ts,				
Delaware One Spring Contemplate Contemp		tion	Top	Botto	m	Descrir	ntions Conten	ts Etc			Name		Тор
Top of Salt 2752: Delaware 2924: Bone Spring 6664 Additional remarks (include plugging procedure) Additional remarks (include plugging procedure) Additional remarks (include plugging procedure) Indicate which items have been attached by placing a check in the appropriate boxes [Biectroat' Mechanical Logs (I fall set required) [Geologic Report] DST Report [X] Directional Survey [Samely Natice for plugging and content verification [Core Analysis X] Other Deviation Report Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)* Name: Glesse print) Stormi Davis [Title Regulatory Analyst] Sugnature [June 1] Paris [Regulatory Analyst] Title [Regulatory Analyst] Sugnature [June 1] Paris [Regulatory Analyst] Paris [June 2] PJ1/11	- I Offina		ТОР	Botto		Descrip	Alons Conten				Nume		Measured Depth
Additional remarks (include plugging procedure) Indicate which items have been attached by placing a check in the appropriate boxes DST Report Delaware Bone Sprin						,			Bottom Delawa	of Salt re		2752' 2924'	
Electrical/ Mechanical Logs (1 full set required) Sundry Notice for plugging and cement verification Core Analysis Title Regulatory Analyst Date 9/12/11	2 Additiona	l remarks (1	nclude p	lugging	procedure)					1			то 11773'
Signature Date 9/12/11	Electrical Sundry N	/ Mechanical L	ogs (1 full s	et required	d) ation		Geologic Re	port		X Other	Deviation	Report	rvey
	Name (pleas	se print) St	ormi D	avis	- (Tr	tle <u>R</u>	egulatory	/ Analyst		
tle 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	-	_\$	P	\leq	Das	L			_			<u>-</u>	

ststements or representations as to any matter within its jurisdiction

(Continued on page 3) (Form 3160-4, page 2)