Firm 3160-4 (August 1999)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APROVED
OMB NO. 1004-0137
EXPIRES: NOVEMBER 30, 2000
5. Lease Serial No.

nd No.												
/ Mexico												
/ Mexico												
/ Mexico												
/ Mexico												
/ Mexico												
/ Mexico												
/ Mexico												
/ Mexico												
*												
17. Elevations (DR, RKB, RT, GL)* 2rod. 3428' GL												
18. Total Depth: MD MD 11,815' TVD 11,429' 19. Plug Back T.D.: MD TVI TVI 20. Depth Bridge Plug Set: MD TVI 21. Type Electric & Other Mechanical Logs Run (Submit copy of each) [22. Was well cored? V No Yes (Submit analysis)]												
Was well cored? as DST run? V No Yes (Submit analysis) Yes (Submit report)												
tional Survey? No Yes (Submit copy)												
23. Casing and Liner Record (Report all strings set in well) Stage Cementer Slurry Vol.												
Amount Pulled												
 												
ker Depth (MD)												
e No. Holes Perf. Status												
cing												
,iiig												
nt Squeeze, Etc. Amount and Type of Material												
9284-9414 Acidize w/5000 gals 15% HCL acid + 180 ball strs.												
lethod												
lethod												
]												
]												
]												
u u*												

28b. Production - Interval C Date Pfour Production Oth BBL Gas MCF Water BBL Other April Gas Gravity Production Method Corn. April Gas Gravity Production Method Gas Indian Gas	•											
Production Tested Production Oil BBI, Gas MCF Water BBL Corr. API Gas Gravity Production Method												
Control Top Fress Top Strong Top Tested Production Interval Tested Production Interval Tested Production Tested Tested Production Tested Test	1	1	1		Oil BBL	Gas MCF	Water BBL			Gas Gravity	Pro	oduction Method
Size Florig St Cas, Pross 24 Hr. Rate Dit BBL Gas MCF Water BBL Carl Well Status	Choko	The Proce							Coo. Oil			
Date Pirist Test Date Tested Tested Tested Tested Produción Oil BBL Gas MCF Water BBL Corr. API Gas Gravity Production Method			Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water Bl	BL	1	Well Status		
Date Pirist Test Date Tested Tested Tested Tested Produción Oil BBL Gas MCF Water BBL Corr. API Gas Gravity Production Method	20a Brodu	ration Intony		□						L		
Production Method Production Oil BBL Gas MCF Water BBL Corr. API Gas Gravity Production Method				lest	<u> </u>	1	T		Oil Gravity			
Size Fiving SI Cag, Press 24 Hr. Rate Oil BIB. Gas MCF Water BBL. Ratio Well Status	Produced	Test Date	1	1	Oil BBL	Gas MCF	Water BBL		1 -	Gas Gravity Production Metho		oduction Method
(See instructions and spaces for additional data on reverse side) (Disposition of Gas (Sold, used for fuel, vented, etc.) Sold Summary of Porous Zones (Include queried, etc.) Show all important zones of porosity and contents thereof; Cored intervals and all drill-stam tests, including depth interval tested, cushion used, time tool open, flowing and shul-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name Name Meas. Depth Delaware Bone Spring Lime 3rd Bone Spring Lime 3rd Bone Spring Sand Wolfcamp 8881* Cisco 9924* Atoka 10551* Aldoka 10551* Aldoka 10551* Middle Morrow 11333* Llower Morrow 110551* Middle Morrow 110551* Middle Morrow 111334* Lower Morrow 110551* Middle Morrow	Choke	Tbg. Press.						-	Gas : Oil			
Disposition of Csa (Sold, used for fuel, vented, etc.) Sold Summary of Porous Zones (Include Aquilers): 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 Top Mess. Depth Delaware Bone Spring Lime 3rd Bone Spring Lime 4rd 3rd Bone Spring Lime 3rd Bone Spring Lime 3rd Bone Spring Lime 3rd Bone Spring Lime 4rd 3rd Bone Spring Lime 3rd Bone Spring Lime 4rd 3rd Bone Spring Lime 3rd Bone Spring Lime 3rd Bone Spring Lime 4rd 3rd Bone Spring Lime 4rd 3rd Bone Spring Lime 4rd 3rd Bone Spring Spring Lime 4rd 3rd Bone Spring Spring Lime 4rd 3rd Bone Spring	Size	Flwg SI	Csg. Press	24 Hr. Rate	Oil BBL	Gas MCF	Water Bl	Water BBL Ratio Well Status				
Sold 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 shut-in pressures and recoveries. Formation Top Bottom Descriptions, Contents, etc. Name Top Meas. Depth Delaware Bone Spring Lime 4703' Sird Bone Spring Sand 316' Wooffcamp 321' Wooffcamp 321' Caryon 10128' Strawn 10245' Aloka 10551' Middle Morrow 111363' Lower Morrow 111605' Barnett 11731' Additional remarks (include plugging procedure): Additional remarks (includ	(See instruc	ctions and sp	aces for add	itional data on re	everse side)		<u></u>			<u> </u>		
Summary of Porous Zones (Include Aquiders): 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 Meas, Depth Delaware Bone Spring Lime 37d Bone Spring Sand 31f77 Wolfcamp 38811 Cisco 9924 Carnyon 10128' Strawn 10245' Atloka 10551' Middle Morrow 111383' Lower Morrow 111605' Barnett Additional remarks (include plugging procedure): 04/18/07 - 05/01/2007: MRU. Bled csg & tbg all gas - NU/DN/TREE - NU BOP, TOH wrbg, RIH w/6 2' grto 11.500'; set 5.5' CIBP @ 11,430'. Dmg 35' of cmt on top, new PBTD 11.395'. RIH perf Wolfcamp @ 928-4-920'. 9301-9311; 9393-9414; (45PF) 148 holes. RD W/L. RIH w/5 5'' pkr & tbg. Set pkr @ 9223'. NU/DN/RDE NU/TREE, Sveb MRU bree saver, ted lines to 550 ps. RU pmg br kb monitor back side. Pmg 500g gals and Sveb one brown with remarks of the service of the s	Disposition	of Gas (Sold	used for fue	el, vented, etc.)			Sold					
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 Top Meas. Depth	Summary o	of Porous Zon	es (Include /	Aquifers):			0014	31.	Formation	(Log) Markers		
Bottom Descriptions, Contents, etc. Name Meas. Depth	stem tests,	including dep	th interval te									
Delaware Bone Spring Lime 37rd Bone Spring Sand 4703' 37rd Bone Spring Sand 8681' Cisco 9924' Canyon 10128' Strawn 10245' Atoka 10551' Middle Morrow 11805' Barnett 11731' Additional remarks (include plugging procedure): 04/18/07 - 05/01/2007: MiRU. Bled csg & tbg all gas - NU/DN/TREE - NU BOP. TOH w/tbg. RIH w/6.2" grto 11,500'; set 5.5" CIBP @ 11,430''. Dmp 35' of cmt on top, new PBTD- 11,395'. RIH perf Wolfcamp @ 9284-9290; 9301-9311; 9393-9414'; (4SPF) 148 holes. RD W/L, RIH w/5.5" pkr & tbg. Set pkr @ 9223'. NU/DN/BOF NU/TREE. Swab. MRU tree saver, ist dines to 9500 psi. RU pmp it to monitor back side. Pmp 5000 gals acid. Swab. RD swab. NU/DN/Tree NU BOP. It 05 - ris pkr. Bled down well all gas - TOH w/tbg. Apkr. RIH w/8 est CIBP @ 11,240' + 35' cmt on top. New PBTD @ 11,205'. Set pkr @ 9237'. NU/DN/BOF NU/TREE. Swab. MRU tree saver, ist dines to 9500 psi. RV pmp it to monitor back side. Pmp 5000 gals acid. Swab. RD swab. NU/DN/Tree NU BOP. It 05 - ris pkr. Bled down well all gas - TOH w/tbg & pkr. RIH & set CIBP @ 11,240' + 35' cmt on top. New PBTD @ 11,205'. Set pkr @ 9237'. NU/DN/BOF NU/Tree. Swab. Acidize Wolfcamp @ 9284' - 9414' dwn tbg w/5000 gals of 15% HCL acid + 180 ball sirs. RD tree saver, open well, flw bck. Swab. Pkr. 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 ement verification 6. Core Analysis 7. Other Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)* Name (Please prinit) Stephanie A. Ysasaga Title Sr. Staff Engineering Technician Date 6/13/2007	Forr	mation	Top Bottom Descriptions Contents etc.			Name						
MIRU. Bled csg & tbg all gas - NU/DN/TREE - NU BOP. TOH w/tbg. RIH w/6.2" grto 11,500"; set 5.5" CIBP @ 11,430". Dmp 35' of cmt on top, new PBTD 11,395'. RIH perf Wolfcamp @ 9284-9290; 9301-9311; 9393-9414'; (4SPF) 148 holes. RD W/L, RIH w/5.5" pkr & tbg. Set pkr @ 9223'. NU/DN/BOF NU/TREE. Swab. MIRU tree saver, tstd lines to 9500 psi. RU pmp trk to monitor back side. Pmp 5000 gals acid. Swab. RD swab - NU/DN/Tree NU BOP. Itbg - ris pkr. Bled dwn well all gas - TOH w/tbg & pkr. RIH & set CIBP @ 11,240' + 35' cmt on top. New PBTD @ 11,205'. Set pkr @ 9237'. NU/DN/BOF NU Tree. Swab. Acidize Wolfcamp @ 9284' - 9414' dwn tbg w/5000 gals of 15% HCL acid + 180 ball slrs. RD tree saver, open well, flw bck. Swab. Pkr 9237'. RD swab. Put well on production. 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 I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)* Name (Please print) Stephanie A. Ysasaga Title Sr. Staff Engineering Technician Date 6/13/2007 18 U.S.C Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willifully to make to any department or agency of the United States any					Descrip	nons, come	D B 3 W C C S A M		Delaware Bone Spring Lime Ird Bone Spring Sand Volfcamp Cisco Canyon Otrawn Attoka Middle Morrow Lower Morrow			2354' 4703' 8167' 8681' 9924' 10128' 10245' 10551' 11353' 11605'
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 Thereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)* Name (Please print) Stephanie A. Ysasaga Title Sr. Staff Engineering Technician Signature Date 6/13/2007 18 U.S.C Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willfully to make to any department or agency of the United States any	MIRU. Blee 11,395'. R NU/TREE. tbg - rls pki NU Tree. S 9237'. RD	d csg & tbg al IH perf Wolfd Swab. MIRU r. Bled dwn v Swab. Acidize swab. Put we	camp @ 92i tree saver, vell all gas - Wolfcamp (84-9290; 9301- tstd lines to 950 TOH w/tbg & pl @ 9284' - 9414'	9311; 9393- 0 psi. RU pr kr. RIH & se	.9414'; (4SP mp trk to mo: et CIBP @ 1	F) 148 hole nitor back s 1,240' + 35	es. F ide. ' cm	RD W/L, RII Pmp 5000 (t on top. Ne	H w/5.5" pkr & tb gals acid. Swab. I ww PBTD @ 11,2	og. Set pkr RD swab - N 05'. Set pkr	@ 9223'. NU/DN/BOP IU/DN/Tree NU BOP. L @ 9237'. NU/DN/BOF
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)* Name (Please print) Stephanie A. Ysasaga Title Sr. Staff Engineering Technician Signature Date 6/13/2007 18 U.S.C Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willfully to make to any department or agency of the United States any	Circle enclo	osed attachme	ents:							···		
Name (Please print) Stephanie A. Ysasaga Title Sr. Staff Engineering Technician Signature Date 6/13/2007 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willfully to make to any department or agency of the United States any	1. Elec	ctrical/Mechar	nical Logs (1	full set req'd)		2. Geologi	c Report	3.	DST Report	4. Directional S	urvey	
Name (Please print) Stephanie A. Ysasaga Title Sr. Staff Engineering Technician Signature Date 6/13/2007 18 U.S.C Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willfully to make to any department or agency of the United States any	5. Sun	dry Notice for	plugging an	d cement verific	ation	6. Core An	alysis			il ouglete	do /o== =#	had instruction - *
Signature Date 6/13/2007 18 U.S.C Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willfully to make to any department or agency of the United States any	і пегеру се	rury that the f	oregoing and	attached inforr	nation is coi	inplete and c	correct as de	eterr	ninea from a	iii avallable recor	us (see attac	cned instructions)*
Signature Date 6/13/2007 18 U.S.C Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willfully to make to any department or agency of the United States any	Name (Plea	ase print)		Stephanie	A. Ysasaga		Tit	le		Sr. Staff Enginee	ring Technic	cian
18 U.S.C Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowlingly and willfully to make to any department or agency of the United States any		, X	181	77 -			—— Па	te	6/13		 	
	18 U.S.C Se						on knowlingly				ent or agency	of the United States any

