Form 3160-4 (September 2001)

(See instructions and spaces for additional data on next page)

UNITED STATES

OCD-ARTESIA

18. Total Depth: MD 4590	(oopiumou	2001,]			NT OF THE LAND MAI									(FORM A	. 1004	-0137)
13. Type of Well		WE	LL C	OM	PLE	TION	OR R	ECOMPLE	TION	REPO	RT /	AND L	.0G		 	5. Le				31, 2004	
Depth Depth Depth Plug Back Diff. Resvr.															И	M 54	865				
2. Name of Operator 2. Name of Operator 3. May Land & Exploration 3. Address 3. Address 3. Address 3. Address 3. Exploration 4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface (1980 FSL, 430 FEL UL-1 At top prod. interval reported below SAME At tool depth SAME 14. Date Spudded 15. Date T.D. Reached 16. Date Completed 17. Pop Bleetine & Other Mechanical Logs Run (Submit copy of each) 17. Playe Bleetine & Other Mechanical Logs Run (Submit copy of each) 22. Was well cored* Was DST run? 22. Was well cored* Was DST run? And Size (Size/Crads W. U. (W.) 17. Directional Survey Was DST run? And Size (Size/Crads W. U. (W.) 17. 17. Size (Submit analysis) No. Yes (_					-			Diff.	Resvr.		6. If	India	n, Allotte	e or T	ribe Nan	ne
Name of Operator St. Mary Land & Exploration St. Mary Land &					Other				_							7. Ut	nit or	CA Agre	emen	Name ar	nd No.
St. Mary Lund & Exploration	2. Name o	of Operator													P.						
3. Address 3. Address 3. Address 3. Above No. (include area cold) 1.	St. Mary L	and & Exp	loratio	m											ומ			ame and	Well	No.	
After 1970 1980	3. Addre	ss				-				3a. Ph	none i	No. (incl	lude area c	ode)				ell No.		······································	
A. Losation of Well (Report Location clearly and accordance with Federal requirements)													· · · · · · · · · · · · · · · · · · ·		30						
At top prod. interval reported below SAME 14. Date Spudded 15. Date T.D. Reached 15. Date T.D. Reached 16. Date Completed 17. Everytining (DF, RKB, RT, GL)* 17. Everytining (DF, RKB, RT, GL)* 18. Total Depth: MD 4590 19. Plug Back T.D.: MD 4534 20. Depth Bridge Plug Set MD TVD 4590 21. Type Electric & Other Mechanical Loga Run (Submit copy) of each) 22. Was well cored? Was DST TIVD No. Yes (Submit analysis) Directional Survey? No. Yes (Submit analysis) No. Yes	4. Location	n of Well (Repor	t loca	tion c	learly an	d in acc	cordance with	Federal	requirem	nents)	* R	ECEIV	定し					r Exp	loratory	
At total depth. SAME At total depth. SAME 15. Date T.D. Reached 16. Date Completed 17. Elevations (DF, RKB, RT, GL)* 17. Elevations (DF, RKB, RT, GL)* 18. Total Depth: MD 4590 19. Plug Back T.D.: MD 4534 7VD 4534 7VD 4590 19. Plug Back T.D.: MD 4534 7VD 4534 17. Date T.D.: MD 4534 17. Date T.D	At surface 1980' FSL, 430' FEL UL:1 APR 1 9 2006																				
At total depth SAME	At top prod. interval reported below SAME														n L	or Area SEC 35-T19S-R29E					
1-18-06	At tota	al depth S	AME												- 1		ounty (or Parish	- 1		
1-13-06	14. Date	Spudded			15.	Date T.I		· · · · · · · · · · · · · · · · · · ·						17. Elevations (DF, RKB, RT, GL)*							
TVD	1-18-06				1-2	3-06									3	331' C	GL				
**Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Delaware "C" A Tubing Record Top Bottom Top Top Bottom Top Top	18. Total	•					19. P	lug Back T.I					20. Depti	n Bridge	e Plug S	et:)			
#See #32	21. Type E	Electric & C	Other I	Mecha	nical	Logs Ru	(Subm	nit copy of eac	h)							_		==		-	
Hole Size Size/Grade Wt. (#/ft.) Top (MD) Bottom (MD) Stage Cementer Depth Type of Cement Type of Cement Type of Status Circ	*See #32															=			•	•)
Hole Size Size Size Size Size Size Size Size Size Circ Circ	23. Casing	and Line	r Reco	ord (R	eport	all string.	set in v	vell)			- т)/ ₂ -/	COL- 0. 1								
12 1/4 9 5/8/11-40 32.3 # 0 1488" Circ	Hole Size	Size/Gr	ade	Wt. (#/ft.)	Тор	(MD)	Bottom (MI	D) Sta	_	nter								Amount P	ulled	
8 3/4 70:55 23# 0 3190'	17 1/2			4	8#			 		•	_					Cir			Circ		
Circ						+												Circ			
24. Tubing Record Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) 23/8 25. Producing Intervals Popen Bottom Perforated Interval Size No. Holes Perf. Status A) Delaware "C" 4182-4190; 4195-4202 A 9; 8 Open B) 4210-4230; 4236-4242 A 21; 13 Open C) 4244-4252 A 17 Open Depth Interval Depth Interval Depth Interval Size No. Holes Perf. Status Amount and Type of Material 2500 gals 15% HCl; 75 bbls of flush 2% HCl **pumped 195 xx Lead 50/50 C 13-5ppg, Tail 150 xx C 14-8ppg no cire topped w/640sx C thru 1" in 13 stages circ 23 sx to surface 28. Production - Interval A Date First Status Production BBL MCF BBL Corr. API Gravity Pump Produced Date Tested Production BBL MCF BBL Corr. API Gravity Production Method ALEXIS C. SwOBOLDA PETROLEUM ENGINEER Date First Test Hours Production BBL MCF BBL Corr. API Gravity Production Method ALEXIS C. SwOBOLDA PETROLEUM ENGINEER Date First Test Hours Production BBL MCF BBL Corr. API Gravity Production Method ALEXIS C. SwOBOLDA PETROLEUM ENGINEER Date First Test Hours Production BBL MCF BBL Corr. API Gravity Gravity Production Method ALEXIS C. SwOBOLDA PETROLEUM ENGINEER Date First Test Hours Production BBL MCF BBL Ratio Water BBL Ratio Water Rate BBL BBL Ratio Water BBL Rat			-			 				· · · · · · · · · · · · · · · · · · ·		 				 				Cina	
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD)	0 1/4	4 1/2/3	33		.5#	 	<u> </u>	4578	_		_					+				Circ	
Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD) Size Depth Set (MD) Packer Depth (MD)																					
23/8	24. Tubing	Record																		-	
26. Perforation Record Formation TOP Bottom Perforated Interval Size No. Holes Perf. Status	Size	Depth	Set (MD)	Pack	er Depth	(MD)	Size	Dep	oth Set (MI	D) P	acker D	epth (MD)		Size	D	epth S	Set (MD)	Pac	ker Dept	h (MD)
Formation TOP Bottom Perforated Interval Size No. Holes Perf. Status									-					<u> </u>					Ш.		
A) Delaware "C" 4182-4190; 4195-4202 4 9; 8 Open Open C) 4210-4230; 4236-4242 4 17 Open D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval 2500 gals 15% HCl; 75 bbls of flush 2% HCl **pumped 195 sx Lead 50/50 C 13.5ppg, Tail 150 sx C 14.8ppg no circ topped w/640sx C thru 1* in 13 stages circ 23 sx to surface 28. Production - Interval A Date First Test Date Tested Production BBL MCF BBL Corr. API Gravity Gravity Production ACCEPTED FOR RECORD 2-28-06 4-2-06 24 O 0 0 300 Flush Corr. API Gravity Gravity Production ACCEPTED FOR RECORD 2-28-06 H-2-06 24 Flys. Ratio BBL MCF BBL Ratio Production BBL MCF BBL Corr. API Gravity Production Method ALEXIS C. SWOBODA PETROLEUM ENGINEER Choke Tbg. Press Call Swobs BBL MCF BBL Ratio MCF BBL Ratio MCF BBL Ratio Production BBL MCF BBL Ratio Rescription Method ALEXIS C. SWOBODA PETROLEUM ENGINEER	25. Produc					TOD		Pattern	26					Cian	No	Holor			Dows	Chahar	
B					+	101		Bottom										 			
C) 4244-4252 4 17 Open D) 27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval Amount and Type of Material 2500 gals 15% HCl; 75 bbls of flush 2% HCl **pumped 195 sx Lead 50/50 C 13.5ppg, Tail 150 sx C 14.8ppg no circ topped w/640sx C thru 1" in 13 stages circ 23 sx to surface 28. Production - Interval A Date First Produced Date Tested Production BBL Gas Water Freduced Plane Production BBL Gas Water Size Figw. Press Rate BBL MCF BBL Gas: Oil Gas Water Gas: Oil Gravity Gas Gravity Production APR 1 7 2006 28a. Production - Interval B Date First Test Press, Cag Press Preduction BBL Gas Water Gas: Oil Gravity Gas Gravity Production APR 1 7 2006 Date First Test Production - Interval B Date First Test Date Production BBL Gas Water Gas: Oil Gravity Gas Gravity Production Method ALEXIS C. SWOBODA PETROLEUM ENGINEER Choke Tbg. Press, Call Production BBL MCF BBL Ratio Well Status Tested Production BBL MCF BBL Ratio Well Status Production Vell Status Reserved ALEXIS C. SWOBODA PETROLEUM ENGINEER	B)				\top								_								
27. Acid, Fracture, Treatment, Cement Squeeze, Etc. Depth Interval 2500 gals 15% HCl; 75 bbls of flush 2% HCl **pumped 195 sx Lead 50/50 C 13.5ppg, Tail 150 sx C 14.8ppg no circ topped w/640sx C thru 1" in 13 stages circ 23 sx to surface 28. Production - Interval A Date First Test Produced Date Tested Production BBL Gas Water Right Production BBL Gas Water BBL Gas: Oil Gravity Gravity Pump ACCEPTED FOR RECORD 2-28-06 4-2-06 24 Fir. Rate BBL MCF BBL Gas: Oil Ratio Producting APR 1 7 2006 28a. Production - Interval B Date First Test Hours Test Hours Rate BBL MCF BBL Gas: Oil Gravity Gas Gravity Production Method APR 1 7 2006 28a. Production - Interval B Date First Test Test Hours Test Production BBL MCF BBL Gas: Oil Gravity Gas Gravity Production Method ALEXIS C. SWOBODA PETROLEUM ENGINEER Choke Tbg. Press. Call Press. Call Press Rate BBL MCF BBL Gas: Oil Well Status Petroluction Well Status Petroluction Method ALEXIS C. SWOBODA PETROLEUM ENGINEER	C)									4244-4257											
Depth Interval 2500 gals 15% HCl; 75 bbls of flush 2% HCl **pumped 195 sx Lead 50/50 C 13.5ppg, Tail 150 sx C 14.8ppg no cire topped w/640sx C thru 1" in 13 stages cire 23 sx to surface 28. Production - Interval A Date First Test Production Date Tested Press Size Figw. Press Production - Interval B Date First Test Production - Interval B Date First Test Figw. Press Cag. Production BBL Gas Water BBL Gas: Oil Ratio Date First Test Figw. Press Cag. Production BBL Gas Water BBL Gas Water BBL Gravity Gas: Oil Gravity Gas Gravity Production APR 1 7 2006 Date First Test Hours Tested Production BBL Gas Water BBL Gravity Gas Gravity Production APR 1 7 2006 Choke Tbg. Press Call Production BBL Gas Water BBL Gravity Gas Gravity Production ALEXIS C. SWOBODA PETROLEUM ENGINEER Choke Tbg. Press Call Scall Call Cas BBL Gas Water BBL Gas: Oil Ratio Well Status BBL Gravity Gas: Oil Ratio Well Status Ratio Well Status Production Method ALEXIS C. SWOBODA PETROLEUM ENGINEER	D)																\top				
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**pumped 195 sx Lead 50/50 C 13.5ppg, Tail 150 sx C 14.8ppg no cire topped w/640sx C thru 1" in 13 stages cire 23 sx to surface 28. Production - Interval A Date First		Depth Inter	val		\perp							ount and	Type of N	/laterial							
topped w/640sx C thru 1" in 13 stages circ 23 sx to surface 28. Production - Interval A Date First Produced Date Tested Production BBL O O O O O O O O O O O O O O O O O O					250	00 gals 159	6 HCl; 7	5 bbls of flush 29	% HCl												
28a. Production - Interval B Date First Production Date Press Size First Date Production Date Production Date Production Date Production Date Date Production Date Date First Production Date Production Date Date First Production Date Date First Date Press Date First Date Date First Date Date First Date Press Date First Date Date First Date Production Date Date Production Date Date Production Date Date Production Date Date Date Date Date Date Date Date					**	pumped 19	5 sx Lea	d 50/50 C 13.5pt	pg, Tail 1	50 sx C 14.8	Sppg 1	no circ									
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Produced Date Tested Production BBL MCF BBL Corr. API Gravity ACCEPTED FOR RECORD 2-28-06 4-2-06 24 0 0 0 300 Pump Choke Tbg. Press. Csg. Press SI						- 1-21		10	***	1 200			T								
Choke Size Flgw. Si Press. Csg. Press Size Flgw. Si Production - Interval B Date First Date First Date Tested Date Tested Date Froduction BBL Gas MCF BBL Corr. API Gravity Gravity Production Method ALEXIS C. SWOBODA PETROLEUM ENGINEER Choke Size Flwg. Press Call Press Rate BBL MCF BBL Ratio Choke Size Flwg. Press Call Press Rate BBL MCF BBL Ratio	Produced	Date	Teste	ď		tion BE	L	MCF	BBL	Corr		y		ļ				PTED	FO	R REC	CORD
Size Figw. Press Rate BBL MCF BBL Ratio 28a. Production - Interval B Date First Date Tested Date Tested Date Tested Date Froduction BBL MCF BBL Corr. API Gravity Gravity Production Method ALEXIS C. SWOBODA PETROLEUM ENGINEER Choke Size Figw. Press Call Press Rate BBL MCF BBL Ratio Ratio Producing APR 1 7 2006 ADR 1 7 2006 Quality Gas Gravity Production Method ALEXIS C. SWOBODA PETROLEUM ENGINEER Choke Figw. Press Call Press Rate BBL MCF BBL Ratio	Choke				24 Hr.		ı	Gas	Water	Gas:			Well Status		иттр	-	F				
28a. Production - Interval B Date First Test Date Test Date Test Production BBL MCF BBL Corr. API Gravity Gas Gravity Petrolucion Method ALEXIS C. SWOBODA PETROLEUM ENGINEER Choke Tbg. Press. Call Press Rate BBL MCF BBL Ratio Water Ratio	Size	Flgw. SI	Press		Rate	BE	L	MCF	BBL	Ratio	0		Producin	g				APR	17	2006	
Produced Date Tested Production BBL MCF BBL Corr. API Gravity ALEXIS C. SWOBODA PETROLEUM ENGINEER Choke Tbg. Press. Call 24 Hr. Oil Gas Size Flwg. Press Rate BBL MCF BBL Ratio	28a. Produ	ction - Inte	rval B																		2
Choke Tbg. Press. Call 24 Hr. Oil Gas Water Gas: Oil Well Status Size Flwg. Press Rate BBL MCF BBL Ratio												,		Pı	oduction	Method	A۱			VOBOD	A
	Choke Size	Flwg.	Call Press				I L	Gas MCF	Water BBL				Well Statu	ıs					J. 17 L.		

28b. Produ	ction - Inter	rval 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	<u></u>				
28c. Produ	ction - Inte	rval D											
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	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	d for fuel, v	ented, etc	.)								
30. Summa	ary of Poro	us Zones (I	Include Aqu	ifers):				31. Formatio	on (Log) Markers				
tests,							ls and all drill-stem and shut-in pressures	.]	(==0)				
Form	etion	Top	Bottom		Descr	riptions, Conte	ente etc		Name	Тор			
	ation	rop	Bottom	4	Desci	ipirons, conte			Natite	Meas. Depth			
		4100	40.50			07.0	<u>-</u> .		D/G 1:				
Dela	ware	4182	4252			Oil Completi	on	Ì	B/Salt 1212'				
	i		f 					1	Tansil	1268'			
			}	1				1	Capitan	1718'			
			ļ						Queen	2683'			
	i								Delaware	3734'			
	į		 										
	Ì	•	}										
	i												
32. Additi	onal remari	cs (include	plugging pr	ocedure):			,	<u> </u>		<u> </u>			
*Hi-Res L	aterolog A	тау Місто-	·CFL/GR; T	hree Dete	ctor Litho-De	ensity Compe	nsated Neutron/GR;	Geology Compo	osite Log FMI/GR				
****cmt'd	1st stage 11	5sx Lead	11.9ppg Tail	150sx 14	og, circ 82sx 1.8ppg all "C" all "C", circ 2	"; cmt'd 2nd si	tage 115sx Lead 11.5	8ppg Tail 150sx	14.8ppg all "C"				
						-	3/8" 30 min @ 600	psi, 9 5/8" 30 m	nin 800 psi, 7" 30 min 1400 ps	i, 4 1//2" 30 min 1000 psi			
33. Circle	enclosed at	tachments:											
1 Ele	ctrical/Med	hanical Lo	gs (1 full se	t req'd.)	2 (Geologic Repo	ort 3 DST Re	eport 4 Di	irectional Survey				
5 Su	ndry Notice	for plugging	ng and ceme	nt verifica	tion 6	Core Analysis	7 Other:	· · · · · · · · · · · · · · · · · · ·					
34. I herel	y certify th	at the fore	going and at	tached in	formation is o	complete and o	correct as determined	d from all availa	ble records (see attached instru	actions)*			
Name	(please pri	nt) Marcie S	St. Germain				Title Productio	n Tech					
Signat	ure	Mar	ie5	1.Gc	main	\	Date <u>4-6-06</u>	·**					
Title 18 II	S.C. Section	n 1001 an	d Title 43 I	S.C. Sec	tion 1212 ms	ke it a crime	for any person know	vingly and willf	illy to make to any departmen	at or agency of the United			

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.