APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK		DEPARTMEN GEOLO	T OF THE I		h)		5. LEASE DESIGNATION AND BERIAL NM 87	
A THE OF WHAT THE OF WELL THE OF WELL ONLY 1, 2 CALL AND OF UNAL WINDER AND CONTRACTOR NUSCING CONTR	APPI ICAT				PLUG BA	ACK		
In the Will Rest of State Control of State Production Production Productingenetingenemone Production Production Production Produ	. TYPE OF WORK				-		7. UNIT AGREEMENT NAME	
Other II Other III Structure III Structure IIII Structure IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		DRILL LX	DEEPEN L	_[LUG BAC			
Name State or obtained State State State P. O. Box 1743, Abilene. Texas 79604 International State Stat		GAS CTHER				E []		
Nusseriation 1 P. O. Box 1743, Abilene. Texas 79604 1 Definition of the device desity field is avoidance with any State requirements? Will deat At propaged prot your 660° FN & WL 10 Denial of Protection of the device desity field is avoidance with any State requirements? Will deat Is miles East of Hagerman, New Mexico 10 Approach protection 10 Denial of Protection 660° FN & WL Denial of Protection 10 Construct in State and Protection 10 Denial of Protection 660° FN & WL Denial of Protection 10 Denial of Protection 660° FN & WL Denial of Protection 10 Denial of Protection 660° FN & WL Denial of Protection 10 Denial of Protection 660° FN & WL Denial of Protection 10 Denial of Protection 10 Denial of Order 10 Denial of Order 10 Denial of Order 10 Denial of Order 10 Denial of Denia	NAME OF OPERATO							
P. O. Box 1743, Abilene. Texas 79604 10. Find and Pool, or Wilder Million of Wilder 10. Find and Pool, or Wilder Million of Wilder 10. Find and Pool, or Wilder Million of Wilder 10. Find and Pool, or Wilder Million of Wilder 10. Find and Pool, or Wilder Million of Wilder 10. Find and Pool, or Wilder Million of Wilder 10. Find and Pool, or Wilder Million of Wilder 660' FN & WL Description of Wilder 11. State of Million of Millio	Musgrave	and Thomas					_	
All attempt All proposed prod. some 660' FN & WL II. BEC. 7. E. M. OB PAK. Sector Robinston Formation Formation Formation Proposed and Proposed Prod. Some Formation F			, Texas 7	9604	Y. C. A. S.		10. FIELD AND POOL, OR WILDCAT	
At proposed prod. 2006 660' FN & WL Sec. 7-T14S-R29E 15 miles East of Hagerman, New Mexico 11. Work assumption of the second statistic town of rest of rest. 12. crrstr of Faster 18. State 16 bit root rest of the second of the second of the second state town of the second of th	LOCATION OF WEL At surface	L (Report location clearly and	l in accordance wit	h any State requir	ements.*)			
AF proposed pod. 2000 UNICLINE Sec. 7-71145-R298 Designed pod. 2000 UNICLINE Designed pod. 2000 Sec. 7-71145-R298 Designed pod. 2000 Hills and UNICLINES FOR DESIGNED ADDRESS OF TOP		660' EN 5	1.11			reg fr	AND SURVEY OR AREA	
Standard R. March 1.8 and March 1.8 Hagerman, New Mexico Chaves N. M. 15 miles East of Hagerman, New Mexico 15 Notest and the March 1.8 Hagerman (New Mexico) 16 Notest and the March 1.8 Hagerman (New Mexico) 17 Notest and March 1.8 Hagerman (New Mexico) 16 Notest and Forestation for the state of th	At proposed prod	zone OOU FIN Q	c Will				Sec. 7-T14S-R2	
15 milles East of indigerillarit, New Herein of action actio	DISTANCE IN MI	LES AND DIRECTION FROM NEA	REST TOWN OR POST		10. D. C.			
The state state is a service of the state of the state of the state of the state state is a service of the state state is a service of the state state is a	15 miles	East of Hagern	nan, New M			17 80		
CAUSE to exercise processor processor in the property of the the	LOCATION TO NE	ARCST	660'			тот	HIS WELL	
A STREET WELL, BELLING, COLLINER, DONE None 3500 Rotary 22. APERGE, BELLING, COLLINER, DEC. 22. APERGE, DATE WORK WILL ST.G. 22. APERGE, DATE WORK WILL ST.G. 3638.3' GR. 28. APERGE MARKETING PROFILES 28. APERGE MARKETING PROFILES March 15, 1976 IPROPOSED CASING AND CEMENTING PROFILES NOTE OF MOLE STREE OF MOLE APERCENT OF CASING NOTE OF STREET OF CASING APERCENT OF CASING MILLING OF CASING APERCENT OF CASING A	(Also to neares	t drig unit line, if any) PROPOSED LOCATION*				20. ROT.	ARY OR CABLE TOOLS	
March 15, 1976 3638.3' GR. March 15, 1976 March 16, 197 March 17, 197 March 16, 197 <td>OR APPLIED FOR, 0</td> <td>LL, DRULTING, COMPLETED, N THIS LEASE, FT.</td> <td>None</td> <td>3500</td> <td></td> <td></td> <td></td>	OR APPLIED FOR, 0	LL, DRULTING, COMPLETED, N THIS LEASE, FT.	None	3500				
NUMBER OF HOLE STRE OF HOLE <	L ELEVATIONS (Show	whether DF, RT, GR, etc.)						
STATE OF HOLE STATE OF CASES WERGETFINE LONG SETTING DEFTIN QUANTER OF CASEST 12½" 8-5/8" 28# 350' 150 sx 7-7/8" 4-1/2" 15±# 3500' 150 sx Will drill to an approximate depth of 3500' to test the San Andres. If production is indicated, will set production string of casing and attempt completion. State space bescause resonance: If proposal is to deepen or plug back, give data on present productive some and proposed new production attempt completion. State space bescause resonance: If proposal is to deepen or plug back, give data on present productive some and proposed new production attempt completion. State of proposal is to define deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give biometers locations and measured and true vertical depths. Give biometers locations and measured and true vertical depths. Give biometers locations and measured and true vertical depths. Give biometers locations and measured and true vertical depths. Give biometers locations and measured and true vertical depths. Give biometers locations and measured and true vertical depths. Give biometers locations and measured and true vertical depths. Give biometers locations and measured and true vertical depths. Give biometers locations and measured and true vertical depths. Give biometers locations and measured and true vertical depths. Give biometers locations and measured and true vertical depths. Give biometers locations and measured and true vertical depths. Give biometers locations locations locations locations locations locations locations l					UNC DROCKA			
Stream processor resonance 28# 350' 150 sx 7-7/8" 4-1/2" 15%# 3500' 150 sx Will drill to an approximate depth of 3500' to test the San Andres. If production is indicated, will set production string of casing and attempt completion. Stream processor resonance (to open directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give base for Poly and the set of the data on subsurface locations and measured and true vertical depths. Give base for Poly and the set of Poly and the set of the data on subsurface locations and measured and true vertical depths. Give base for Poly and the set of the the set o	•••	· · · · · · · · · · · · · · · · · · ·	PROPOSED CASIS			M 		
Image: State state baseding process and proposed new production is indicated, will set production string of casing and attempt completion. Nexte state baseding production is indicated, will set production string of casing and attempt completion. Nexte state baseding production is indicated, will set production string of casing and attempt completion. Nexte state baseding production is indicated, will set production string of casing and attempt completion. Nexte state baseding production is indicated, will set production string of casing and attempt completion. Nexte state baseding production is indicated, will set on present productive some and proposed new productions are used and true vertical depths. Give base for the drift of depen directionally, give pertinent data on subsystate locations and measured and true vertical depths. Give base for the drift of Nate office tor. NEXTERNAL IF and the office tor. Vision of the office tor. NEXTERNAL IF and the office tor. Vision of the office tor. NEXTERNAL IF and the office tor. Vision of the office tor. Vi	SIZE OF HOLE	SIZE OF CASING	WEIGHT PER IG					
Will drill to an approximate depth of 3500' to test the San Andres. If production is indicated, will set production string of casing and attempt completion. S Above arvee reservers protocopy protocopy: If proposal is to deepen of plug back, give data on present productive some and proposed new produc one. If proposal is to deepen directionally, give pertinent data on subsurface heatings and measured and true vertical depths. Give blow revents process is to deepen directionally, give pertinent data on subsurface heatings and measured and true vertical depths. Give blow revents process of Pederal or State office tree) VERNAL Agent DATE DATE DATE DATE	122		<u>∠o</u> # 15≵#					
If production is indicated, will set production string of casing and attempt completion. N ABOVE SPACE DESCRIPTE PROPOSED PROTAVE: If proposal is to deepen or plug back, give data on present productive zone and proposed new produc one. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blast revent proposal is to dealer deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blast revent proposal is any. A BIC COLOR TITLE Agent DATE March 1, 19 APPROVED BY			id=+,					
APPROVED BY	N ABOVE SPACE DE one. If proposal	scribe provosed provava : If in to drill or depen direction	propusal is to dee ally, give pertinen	pen or plug back, t data on subsurfa	give data on pr nee locations an	esent pro d measur	oductive zone and proposed new pro ed and true vertical depths. Give b	
	ł. BIGNED	m J. MECR		ть <u>Ag</u> e	nt		March 1,	
APPROVED BY	(This space for	Federal or State office ((sy))			NI ^{II}			
APPROVED BY	(, 		APPROVAD	6xtř			
	PERMIT			т.в.			DATE	
Lilly 4-28-11 ACK ALIG	Ē		TI					
	APPROVED BY	APPROVAL, IP ANY:	T	5.5				

.

. ł i Ì

1 Outline the accesse dedicated to the subject well by the density of a burn marks on the plat below. 2 If more than one leave of titheter to be well, outline each and density the controls of all controls been consolidated by communitation, an trating interactions etc. [] Yes [] No [] Hanswer is "New" type of consolidation. [] Hanswer is "New" the well want descriptions which have at traits been consolidated. If a reases such this form for control to the well want of the the information and is a rease with the description of the traited space to the Core set of the Core set of the the information of the traited space is the Core set of the the information of the traited space is the Core set of the the information of the term of the traited space is the Core set of the the information of the term of term of the term of the term of term of term of term	•			ULA NOMAS EAGE ESCATO		Scrm (S-4) Supersedes (L-2) Stansive (L-268)
O 7 14.5 29.E CHAVES 660 WEST 3338.3' San Andres Wildcat 40.77.9% 1 Outline the arrays dedicated to the subject well be orded protocol to nutrinarks on the plat below. 11 2 If more than one trace is dedicated to the well, outline each and deate to the well beto the ordership thereof footh as to work interest and reads? 3 If more than one trace of viewer to the well, outline each and deate the transmission of all cantes but consolidated to communication. On traction bare consolidated to communicate to the well would attend to the well batt the ordership there can use and the footh as to work interest and reads? 3 If more than one trace of the well and that deveryptions which have actually been consolidated. The reaction of the bare for the well batt the ordership to the set and the communication. 4 If answer is "more" the well and all interests have been communicated to be communicate to be the Comm State. 5 If more than one interests and that deveryptions which have actually been communicated. The reaction been communicated. 6 50 - 0 If answer is "the set and all interests have been communicated to be communicated. 6 50 - 0 If answer is "the set and all interests have been communicated. 6 50 - 0 If answer is "the set and all of the set and all of the set and th	AN ICODAVE & TE		2,28 ° 1942 (1.500) (1.50) (1.50) 	SAMS RANCH		1
640 Mean NORTH 660 WEST 3338_3** San Andres Wildcat 40.37,9% 1 1 Outline the accessed dedicated to the wildert will be used proceed to a bure marks in the plat below 2 If more than one trace is deticated to the will, outline each and dentils the interesting thereoff both as to work interest and rowality? 3 If more than one trace is deticated to the will, outline each and dentils the interests diallocate to the ordership of the work interest and rowality? 3 If more than one trace is deticated to the will, outline each back at the the interests diallocate to be ordership of the work interest and rowality? 3 If more than one trace of trifferent increases the interest back at their interests diallocate to be ordership of the work interest the interest interest is the interest of the communitization, or instruction of the communitization, or instruction of the communitization or instruction or instruction for each pointing, or otherwise or until in non-standard and, eliminating such the rests has been approved to the communitization or until in non-standard and, eliminating such the rests has been approved to the communitization or instruction or instructin or instruction or instruction or instruction	and the second	ан сарынан сары Калал сарынан с			C 1141/56	· · · · · · · · · · · · · · · · · · ·
308.3* San Andres Wildcat 40.37,9% 1 Outline the moreage dedicated to the subject well, outline each and deap the moreable creed floth as to work interest and results? If more than one leave id tifferent to sende p. and deap the moreable creed floth as to work interest and results? 3 If more than one leave id tifferent to sende p. and deap the work to the well, outline each and deap the moreable creed floth as to work interest and results? 4 If more than one leave id tifferent to sende p. and deap the work has to more the sender to the well, outline each and deap the moreable creed floth as to work interest as "more" latter to "to the well, outline each and the to the well, outline each other to the sender	-		5	29 E		
3638.3° San Andres Mildeat 40 37.7% at 1 Outline the accessed decision to the subject well by the product of a nure marks on the plat beins. 2 If more than one leave of different to were high a definition the well basis the constraints in the result of all control has to work of and the set of all control has to work of a definition. 3 If more than one leave of different to were high a definition the well basis the constraints in the control has to work of addition. If more than one leave of different to were and the control has to the well basis from the plat beins. 3 If more than one leave of different to were high a definition of the well work of addition. If answer is "not" list the concerns and tract descriptions which have actually be constrained to the vell work of the well work of the well work of the second different to the base been converted did the constraint on the tracte for a discrete the second did the constraint of the constraint of the well work of the well work of the tracte for the well work of the well work of the tracte for a discrete to the leave of the tracte for a discrete to the second did the constraint of the well work of the well work of the tracte for a discrete to the leave of the tracte for a discrete to the second did the constraint of the well work of the well work of the well work of the well work of the second did the constraint of the well work of the well	660 teet for the	NORTH	-, <u>-</u> 66	0	WEST	
2 If more than one peace is detunated to the well, outpression and dentula the weetship increase floath as to work interest and rowalty). 3 If more than one peace of inferent increases picked are to the well have the interests of all controls been consolidated by communitization, on tration for eventships est. (.) Yes	4	San Andres		Wildcat		40 39.98
3. If more than one inace of inferent to reach p is deducted to the well have the othersets of all courses been consudered by communication, on tration for equivalent et. []] Yes No If answer is "Need" type of consultation []] Yes No If answer is "Need" type of consultation []] Yes No If answer is "Need" type of consultation []] Yes No If answer is "Need" type of consultation []] Yes No If answer is "Need" type of consultation []] Manswer is "Need" type of consultation	1. Outline the acreage d	edicated to the sub	ject well by c	wred pensitive that	- nure marks on I	he plat below.
dated by communitization. Unitization for exceeded estimation		se is deficated to t	he well, outin	r rach and stenus	, the sweership	mereof (both as to working
If answer is "no." List the exercise and tract descriptions which have actually been consolidated. Use receive side this form if necessary is to be well until all interests have been consolidated the consolidated to consolidate actual to forced-pooling, or otherwise for until a non-standard unit, eliminating such interests, has been upprover by the Loom such as in.				to the west frame	e the reference	fail expersiblen consoli-
this form if necessary)	[] Yes [No	If answer is "ves."	type of consul	idation		
No allowable will be assigned to the well until all interests have been consolidated this contained that on the forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approach by the Comm aron. CHRIFCATION Restly ends that the intermotion of the other is the			. i descriptions	which have as tead	lly been console	lated. Use reverse side of
A sety crift that the information of the set	No allowable will be a forced-pooling, or other	asigned to the well u	ntil all interes standard unit, e	ts have been cons fiminating such in	o idated (by co forests, has bee	tananstizations and ization. Exproved by the Commis-
-660-0 To not here in a true and introduced to here of my know edge and belief Jakk L. McClellan -Agent Musgrave & Thomas 				· · · · · · · · · · · · · · · · · · ·		CERTIF CATION
Jakk L. McClellan Jakk L. McClellan Musgrave & Thomas March 1, 1976 hereby setting that the well bord stown on this play was posted from fr ance of worked surveys made by me inder my supressing out that he so i free the method surveys made by me inder my supressing out that he so i free the method surveys made by me inder my supressing out that he so i free the method surveys made by me inder my supressing out that he so i free the method surveys made by me inder my supressing out that he so i free the method surveys made by me inder my supressing out that he so i free the method surveys made by me i free the method surveys that he so i free the method surveys the so i free the so i free the solution of the solution solution of the solution sol	660 ⁻ Ó				to:ned h	ere nus true and complete to the
Musgrave & Thomas Musgrave & Thomas March 1, 1976 hereby left is the well local shown on this plat was platted from fr notes of actual screens and there is no index my submeasure and there is a index my		; , ,		i		
March 1, 1976 hereby lett ty that the well local snown on this play was playting by me inder my suprementation of the sa is rought the same of the the same inder my suprementation of the same	· · · · · · · · · · · · · · · · · · ·					
thereby series that the well lorot shown on this plat was posted from fr onles of actual surveys made by me under my supervision and that the so a true (NALLER & The best of another my ATE' (1997) State of the so the source of	i				Musgr	ave & Thomas
shown on this play was potted from for nates at actual surveys made by me under my suggeneers and that the so a true for MLLER & In pest of anonytide my ATE (So 1976 Hey: The MEXTER So Hey: THE HEY: THE HEY SO HEY SO H	: 			, 	March	1, 1976
ATTER & THE ATTER OF THE ATTER				1	shown o	y certity that the well location in this playwas plotted from field flactual surveys made by me or
Have the MEXIC ST	: i				inder m i true knowled	NOINLER & propert of my
Hay Free MEXIG Man MEXIG MAN	+					
Xam2 WM	· · ·			i i 		MEXIM MEXIM
676			}			ETE

Re: Musgrave & Thomas Sams Ranch No. 1 660' FN & WL Sec. 7-14S-29E Chaves County, New Mexico

The following is a Plan of Development for Surface use required to drill the proposed well attached to this application:

- 1. State Highway 31 is approximately 3½ miles South of the proposed location.
- The proposed road will be the only road into the proposed drillsite. Approximately 200' of road will be constructed.
- 3. It is possible that other roads will be necessary to the North and West if this test is successful.
- 4. The production, if achieved, will be pumped into a tank battery adjacent to the lease location pad.
- 5. Drilling water will have to be trucked in as there is no source of fresh water in this area.
- 6. After completion of drilling operations all waste will be buried in a separate pit or hauled away.
- 7. Any produced brine water will be removed by truck in order to prevent contamination of any possible fresh water bearing sands in this area.
- 8. Application for connection will be made immediately upon completion, if any gas is encountered.
- 9. An attached development plat indicates location layout, rig plan, etc.
- 10. In the event a dry hole is achieved, all pits will be filled and the location restored, as near as possible to its original condition.
- 11. If production is achieved, pad and roads will remain in effect however pits will be filled and restored, as near as possible, to their original condition.
- 12. National Twin T-20 Draw Works powered by Twin 671 GM Diesel Engines. 97' LCM VC More Mast, 6' substitute. Oilwell 18P 7½ X 18" Pump powered by twin 671 N GM Diesels. D-175 Emsco 7" X 12" powered by 8-V71N GM Diesel standby pump. 4½, 16.60# S.S. Drill Pipe. 10 - 5-5/8" X 5-5/16" X 2-3/8" Drill Collars. Cameron Q. R. C. hydraulic or Schaffer 10" 900 Manuel Blowout Preventers.



.

ن ، بالانتخاب بعد استخدار بين الانها بالا ، بعد الله عالم الله الله الله الله الله الله الله ا	3+	35 R-28-E	36	31	-\$- 32 -\$- R-29.E	33
م من المراجع عنه المحكمة المحكمة عنه المحادثة المحادثة المحادثة المحكمة المحكمة المحادثة المحادثة الم	3	2	piscital lan	Shanandoah	5	+ 4
	× 10	+ + 	Yates Normani 12 6	Approx. 200 news Proposed Decation	8	-4-9
1	*	14米、	Rdneh Road	18	17	16
السرام () السرام ()		23	10-1 24 10-1 24 1-1 -	19		21 +
	27	+261	25	30	29	28
	County Section	CHAVE	STownship	_ StateNEW_	MEXICO _ Ronge	

• •

Remarks :

. .

