					30-015-26405
Form 3160-3 (November 1983) (formerly 9-331C)	UNITE DEPARTMENT	D STATES OF THE INTER	SUBMIT IN 1 (Other instruc reverse si RIOR (200)	tions on	с Л. у
	BUREAU OF L	AND MANAGEMEN	٩T		NM 030454
APPLICATION	FOR PERMIT TO	O DRILL, DEEP	EN, OR PLUG B	ACK	6. IF INDIAN, ALLOTTER OR TRIBE NAME
Ia. TYPE OF WORK					7. UNIT AGBREMENT NAME
	LL 🕅	DEEPEN	PLUG BAG	СК	
b. TYPE OF WELL OIL CA WELL WE			INGLE MULTIP		Poker Lake 8. Fabm of Lease Name
WELL LA WE 2. NAME OF OPERATOR			RECRIVED		Poker Lake Unit
Charles	B. Gillespie, J	Ir. V	10. <u>10. 10. 10. 10. 10. 10. 10. 10. 10. 10. </u>		9. WELL NO.
3. ADDRESS OF OPERATOR					73
<u> </u>	<u>ox 8 Midlar</u>	id, Texas 79702	2 111 1 3 90		10. FIELD AND POOL, OR WILDCAT
4. LOCATION OF WELL (Re At surface	OX 8 MICIAL port location clearly and i	n accordance with any a	State requirements.")	, <b>U</b> S	Poker Lake Delaware, South 11. SEC., T., B., M., OB BLK.
660' FN At proposed prod. zone Same	L & 660' FEL	ut.A	) Anno caracteria	19 - 19 - 19 - 19 - 19 - 19 - 19 - 19 -	Section 33-T24S-R31E
	ND DIRECTION FROM NEARE	ST TOWN OR POST OFFIC	·E*		12. COUNTY OR PARISH 13. STATE
	17 miles East o				Eddy New Mexico
15. DISTANCE FROM PROPU LOCATION TO NEAREST	SED*	16. N	O. OF ACRES IN LEASE		OF ACERS ASSIGNED HIS WELL
PROPERTY OR LEASE LI (Also to nearest drig	INE, FT.	660'	1031.87	_	40
18. DISTANCE FROM PROPO TO NEAREST WELL, DE OR APPLIED FOR, ON THE	RILLING, COMPLETED,	19. P	ROPOSED DEPTH 6950 <sup>1</sup>	Rota	ру ов савle tools
21. ELEVATIONS (Show whe	ther DF, RT, GR, etc.)				22. APPROX. DATE WORK WILL START*
3469,9'	GR				As soon as possible
23.	P	ROPOSED CASING AN	D CEMENTING PROGRA	M	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	_	QUANTITY OF CEMENT
12 1/4"	8 5/8"	32#	600'		hibit F and G CIRCULATE
7 7/8"	5 1/2"	17#	6950'	(50.	
					Port ID-1 6-22-90
Mud Pro	ogram: See Exhil	nit G.			Men Loc + AP-I
B.O.P.	Program: Series	s 1500 B.O.P.,	installed at o	ffset.	See Exhibit E.
Gas Not	: Dedicated				
					CO
					n co ro ro
	nt 205267 70				
CENEX	NL REQUIREMENTS AN	iD			
	L STIPULATIONS				
ATTACI					
zone. If proposal is to	drill or deepen directional	roposal is to deepen or ly, give pertinent data	plug back, give data on 1 on subsurface locations a	present proc and measure	ductive zone and proposed new productive ed and true vertical depths. Give blowout
preventer program, if an: 24.	y				
	V. Hutan	TITLE	Product <u>ion_Mana</u>	ger	DATE 5/15/90

SIGNED Mini W. Hanting	Production_Manager	DATE 5/15/90
(This space for Federal or State office use)		
PERMIT NO.	APPROVAL DATE	
Orig. Standed by Eicharf L Manual	AREA ME IC EN TITLE CAPLSTAD NESOURCE AREA	DATE 6 1290
CONDITIONS OF APPROVAL, IF ANY :		

# \*See Instructions On Reverse Side

STAKED: 5/10/90

Title 18 U.S.C. Section 1001, makes 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.

Submit to Appropriate District Office State Lease - 4 copies Fee Lease - 3 copies

DIST	RIC	<u>L1</u>			
P.O.	Bax	1980,	Hobbs,	NM	<b>55</b> 240

DISTRICT II P.O. Drawer DD, Artesia, NM \$8210 -

# OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

# WELL LOCATION AND ACREAGE DEDICATION PLAT

DISTRICT III 1000 Rio Brazos Rd., Aziec, NM 87410

All Distances must be from the outer boundaries of the section

ADDE     Poker Lake Unit     73       IARLES B. GILLESPIE, JR.     Poker Lake Unit     73       Letter     A     Section     33     Township     24 South     31 East     County     Eddy       al Footage Location of Well:     660     feet from the     North     line and     660     feet from the     East     line       ad level Elev.     Producing Formation     Pool     Deckorn Lake Delaware     South     40     Acres									Weil No.	
Latter A Section 33 Township 24 South Reage 31 East NMPM Communications of Well: 660 fee from the North line and 660 fee from the East line bedreaded Arrange. 660 fee from the North line and 660 fee from the East bedreaded Arrange. 90 Poker Lake Delaware, South 40 Arran 1. Outse the screep of dedicated to the well, outse each and identify the ownerhing thereof (both all overant base of all overant of the screep of dedicated to the well, base the interest of all owners been consolidated. (Use reverse side of the here of my boundaries and tradescriptions which have standly been consolidated. (Use reverse side of the here of my boundaries and tradescriptions which have standly been consolidated. (Use reverse side of the form if a sock stand will be assigned to the well main and the description which have standly been consolidated. (Use reverse side of the form if a sock stand will, element is "yes" type of consolidated. (Use reverse side of the section of the well main and the standaring such starters, has been approved by the Division. 1 I downed will be satigned to the well main and the standard will, element is a sock stander duel, element and such starters, has been approved by the Division. 1 I downed will be satigned to the well main and the starters of all owners well and the starters is a new encouled and element is not and complete the description of the trade well and the starters is a sock standard well, element is a sock standard well, element is a sock standard well downer were being and the starters is a sock standard well downer were being and the starters is a sock starter is the starter of my boundary and the starters is the starter of my boundary and the starters is the starter of my boundary and the starters is the starter of my boundary and the starters is the starter of my boundary and the starters is the starters of my boundary and the starters of my boundary and the starters of my boundary and the starters is the starters of my boundary and the starters of my boundary and the starters	ARLES B. (	GILLESPIE	JR.		Lease	Poker Lak	e Unit		73	
Littler       A       Joint 24       South       31 East       NMPM       Eddy         al Forcage Location of Well:       Notice from the North Lise and 660 feet from the East Lise The Internation of Well:       Pode Section 100 feet from the East Lise 100 feet from the East Cise 100 feet fro					Range			County		
Al Focage Locaso of Well: 660 feet from the North line and 660 feet from the East be 660 poly Produced Formation 1. Outlies the screege dedicated to the well, well outline that and identify the ownerhip theorem by South 40 Acres 1. Outlies the screege dedicated to the well, outline each and identify the ownerhip theorem by South 40 Acres 1. Outlies the screege dedicated to the well, outline each and identify the ownerhip theorem by South 40 Acres 1. Outlies the screege dedicated to the well, base and identify the ownerhip theorem by South 40 Conscillation, theorem by South 40 Conscillation 40 Conscillation, theorem and their descriptions which have actually been consolidated. (Use reverse side of the screege dedicated to the well will be as the statest of all owners been consolidated. (Use reverse side of the screege dedicated to the well wall been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-sender until descriptions which have actually been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-senderd unit, elimentation well be as any provide by the Division.		ection 33	Townsurb	24 South	31	East	NR/DR/		Eddy	
660     feet from the     North     Lies and     660     feet from the     2.235     Deducated Acreage:       3469.9     Delaware     Poker     Lake Delaware, South     40     Acreage:       1. Outlies the screage deducated to the which well by colored pacil or bachure marks on the plat below.     40     Acrea       2. If more than one lease of different overship is dedicated to the well, have the interest of all owners have consolidated by communitization, unitation, force-pooling, def.?     If more than one lease of different overship is dedicated to the well, have the interest of all owners have consolidated by communitization, unitation, force-pooling, or otherwise)       1. Where the contexp:     If more than one lease of the well unit all interest have been consolidated (Use reverse side of the soften)       1. State of the segment of the well unit all interest have been consolidated (the communitization, unitization, force-pooling, or otherwise)       If anyon is a constant of the well unit all interest have been consolidated (the owner side of the soften)       3. If acres is a constant of the well unit all interest have been consolidated (the communitization, unitization, unitization, force-pooling, or otherwise)       If anyon is a constant of the well well at the soften       3. If acres is a constant of the soften of the well well at the soften of the soften										
0500       feet from the Producting Formation (a) for a Delaware       Pool (a) Delaware       Delaware (b) Outset the screeps dedicated to the subject of the burn marks on the pit below.       Delaware       Acres         1. Outise the screeps dedicated to the angle of the burn marks on the pit below.       10 Outise the screeps dedicated to the well, have the interest of all owners here coancidated by communitation, minimuo, force-pooling sto?       10 Outise the screeps dedicated to the well, have the interest of all owners here coancidated by communitation, the screeps the owners and the descriptions which have schally been coancidated (by communitation, unlitation, force-pooling, or otherwise) or unlit a non-standard unit, eliminating such interest, has been approved by the Division.       Or Exercise pooling, or otherwise) or unlit a non-standard unit, eliminating such interest, has been approved by the Division.       Or Exercise pooling, or otherwise) or unlit a non-standard unit, eliminating such interest, has been approved by the Division.       Or Exercise pooling, or otherwise) or unlit a non-standard unit, eliminating such interest, has been approved by the Division.       Or Exercise pooling, or otherwise) or unlit a non-standard unit, eliminating such interest, has been approved by the Division.       Or Exercise pooling, or otherwise in the set of complete the of own command kernit in the set of constituent.         If the set of a set of the set of and complete the set of constituent is non-standard unit, eliminating such interest, and the set of constituent.       Standard Name, Constituent in the set of constituent is non-stand complete the set of constituent is non-standard to the set of constituent is non-standard to the base of own point defined town pool and the own poon of field and set own	al Footage Locatio	n of Well:				0	fact from t	he Fast	line	
al level. between the servers decloand to the adjust well by colored pencil or hackaur marks on the ple below.       40 Acres         1. Outline the scrues decloand to the adjust well by colored pencil or hackaur marks on the ple below.       11 more than one lease of different ormanhip is decloand to the well, have the interest of all owners been coasolidated by communitization, mailtainion, force-pooling, error below, etc.?         1. If more than one lease of different ormanhip is decloand to the well, have the interest of all owners been coasolidated by communitization, mailtainion, force-pooling, error below, etc.?         1. We could be the well and the set and statistic of this form if accossary.       11 more than one lease of different ormanhip is decloand to the well, have the interest of all owners been coasolidated by communitization, mailtainion, force-pooling, or otherwise)         or until a non-stated unit, eliminating such interest, has been approved by the Division.       OPERATOR CERTIFICATION         1. Marks will be assigned to the well well been consolidated by communitization, unitization, forced pooling, or otherwise)       OPERATOR CERTIFICATION         0. until a non-stated unit, eliminating such interest, has been approved by the Division.       OPERATOR CERTIFICATION         1. Marks well be assigned to the well by colored point of the form of all owners being of the base of all owners beat of all owners.       OPERATOR CERTIFICATION         1. Marks well by the interest of all owners.       34683	660 <u>f</u> i	et from the		line and		<u> </u>	Teat Hour a		Dedicated Acreage:	
Lottime the acrege dedicated to the major will by ocioned pencil or backure marks on the plat below.     Let more than one lease of different conversities is dedicated to the well, have the interest of all owners bees occasidated by communitization, unitization, force-pooling, or the more than the descriptions which have setually bee conscillated. (Use reverse idde of this form is all one-description and trust descriptions which have setually been conscillated. (Use reverse idde of this form is all managements and trust descriptions which have setually been conscillated. (Use reverse idde of this form is all managements and trust descriptions which have setually been conscillated. (Use reverse idde of the setual with all interest have been conscillated. (Use reverse idde of its form is all managements and trust descriptions and trust end approved by the Division.	ind level Elev.	Produc	ing Formation			Laka Dala		it b	10	Lores .
2. If more than one lease is dedicated to fits well, outline such and identify the ownership factor (both ai to working interest and royally). 3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, initiation, force-pooling, dc.?  I have to it "so" list the covers and trut descriptions which have actually been consolidated. (Use reverse take of this form is increase, has been approved by the Division.  OPERATOR CERTIFICATION 1 have statistics will a non-standard unit, dimension and have a statistics of the best of the best of the base of the bas	3469.9	De	laware		Poker	Lake Dere	ware, su	<u></u>	40	
unitization, force-pooling, dc.7       If answer is "yet" type of coasciliation         If answer is "so" list the owners and trust descriptions which have actuality been coasciliated. (Use reverse side of this form if seccesary, it is accessing and inserting and interest have been coasciliated (by communitization, unitization, forced-pooling, or otherwise) or ustil a soc-standard unit, eliminating such interest, has been approved by the Division.         0       Use allowable will be safegad to the well unit) all interest, has been approved by the Division.         0       34679	2. If more th	an one lease is d	ledicated to the	well, outline each a	nd identify the ou	vnership thereof (l	both as to workin	g interest an idated by cor	d royalty). mmunitization,	
his form if accessing No allowable will be sugged to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, etiminaning such interest, has been approved by the Division.	unitizatio	e, force-pooling.	etc.7	If another is "Ves" i	type of consolida	tion				
or until a non-standard unit, eliminating such interest, has been approved by the DVIANC.	this form if	neccessary.	d to the well u	ntil all interests have	been consolidate	d (by communitiz	ation, unitization	, forced-pool	ling, or otherwise)	
A for the second complete the second comp	or until a no	n-standard unit,	eliminating aud	a interest, has been a	approved by the i			··		TION
B 34679		1	<u> </u>					i herel	ry certify that the	inform
B4679		i		ļ		36(		ontained he	rein in true and comp	plete to
34 68.1		ľ				34679	-3471.2 <b>b</b>	est of my kno	owledge and belief.	
34 68.1							-660			
And Designed Name         David W. Hastings         Production Manager         Company         Charles B. Gillespie         Date         May 15, 1990         SURVEYOR CERTIFICATIO         I hereby certify that the well location on this plet was plotted from field no certail pervise, made by ne or und pervise, made by ne or und pervise pervise,		ļ					3	ignature		
David W. Hastings Posicion Production Manager Company Charles B. Gillespie. Date May 15, 1990 SURVEYOR CERTIFICATIO I hereby certify that the well location on this plat was plotted from field ma eschal porrey made by me or und magerrison, and that the same is on correct to the best of my bacowledg beild? Date Surveyed May 10, 1990 Signature & Seel of Professional Surveyor MELLING Signature & Seel of Professional Surveyor Signature & Seel of Professional Surveyor		l				3468.1		Nun	il W. Haity	
Position Production Manager Company Charles B. Gillespie. Date May 15, 1990 SURVEYOR CERTIFICATIO I hereby certify that the well location on this play was polited from field me actual provided by me or und maperizon, and that the same is the correct to the best of my bacwiedg belief. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyor May 10, 1990 Signature & Seal of Professional Surveyor Children Menuty State Correct May 10, 1990 Signature & Seal of Professional Surveyor Children Menuty State Correct May 10, 1990 Signature & Seal of Professional Surveyor Children Menuty State Surveyor Children Menuty State Surveyor		1		1		1	F	rinted Name	, <i>P</i>	
Position Production Manager Company Charles B. Gillespie. Date May 15, 1990 SURVEYOR CERTIFICATIO I hereby certify that the well location on this play was polited from field me actual provided by me or und maperizon, and that the same is the correct to the best of my bacwiedg belief. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyor May 10, 1990 Signature & Seal of Professional Surveyor Children Menuty State Correct May 10, 1990 Signature & Seal of Professional Surveyor Children Menuty State Correct May 10, 1990 Signature & Seal of Professional Surveyor Children Menuty State Surveyor Children Menuty State Surveyor		I						David W	W. Hastings	
Company Charles B. Gillespie. Date May 15, 1990 SURVEYOR CERTIFICATIO I hereby certify that the well location on this pies was plotted from field no actual nerveys made by me or und mapping of my knowledg belig. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyor Signature & Seal of Professional Surveyor Signature & Seal of Professional Surveyor		— — — — —				T				
Company Charles B. Gillespie. Date May 15, 1990 SURVEYOR CERTIFICATIO I hereby certify that the well location on this pies was plotted from field no actual nerveys made by me or und mappendent of my knowledg belig. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyor Other M. MELLING Structure M. Sold wherest,		i				1		Product	tion Manager	
Charles B. Gillespie. Date May 15, 1990 SURVEYOR CERTIFICATIO I hereby certify that the well location on this plat was plotted from field an approxime, and that the same is tra- correct to the best of my knowledg belief. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyer Signature & Seal of Professional Surveyer Signature & Seal of Professional Surveyer Signature & Seal of Professional Surveyer Signature & Seal of Professional Surveyer Surveyer						1				
Dete May 15, 1990 SURVEYOR CERTIFICATIO I hereby certify that the well location on this plet was plotted from field me actual surveys made by me or und mapervison, and that the same is the correct to the best of my knowledg belief. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyor NM WINTS OFFICIENTIAL SURVEYOR Christian & Scholl wherest,						i			s B. Gillesni	e.
May 15, 1990 SURVEYOR CERTIFICATION I hereby certify that the well location on this plat was plotted from field me actual surveys made by me or und supervison, and that the same is tra- correct. NO. 2012 NO.		l l		i		1			<u>, unicop</u>	<u> </u>
SURVEYOR CERTIFICATION SURVEYOR CERTIFICATION I hereby certify that the well location on this plet was plotted from field ma supervison, and that the same is tr correct to the best of my knowledge belief. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyor Signature & Seal of Professional Surveyor Surveyor Signature & Seal of Professional Surveyor Signature & Seal of Professional Surveyor Surveyor Signature & Seal of Professional Surveyor Surve						1	11		1000	
I hereby certify that the well location on this plat was plotted from field m actual surveys made by me or und supervison, and that the same is tra- correct to the best of my knowledg belief. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyor OHN W. WISS							1		<u> </u>	
on this plat was plotted from field mactual purveys made by me or und supervison, and that the same is tri- correct to the best of my knowledg belief. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyer WM WINES		i					1	SURV	EYOR CERTIFIC.	ATIO
on this plet was plotted from field and actual proveys made by me or und supervison, and that the same is tru correct to the best of my knowledg belief. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyor WM MENTS						-1				
actual surveye made by me or und supervison, and that the same is tru correct to the best of my knowledg belief. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyor WMENTS		i				1		l hereby ce	rtify that the well loo	cation
PROFESSION, and that the same is true correct to the best of my knowledg belief. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyor WWW.WEST.		1						on this pla	t was plotted from fi	eld no
Correct to the best of my boometry belief. Date Surveyed May 10, 1990 Signature & Seal of Professional Surveyor OHN W. MEST.		ļ			State Cr	Chieven	ļ ļ	actual surv	eys made by me o	ie tra
CH MENTES					PRUFE	SCION S				
CH MENTES		ļ			AND AND	SUR				•
CH MENTES		ļ			SIS			-		
CHAN W. WIEST		l		[/	SIS N	0.1 및 드		Date Survey	yed 10, 1000	
CH MENTES				╺╼╼┿╼╼┿┝		76 <b></b>	<u>ĕ</u> — — − } [	-		
CH MENTES		i			<u>اللا</u>		/ [	Signature &	Seal of	
CATURDAN OWNEST,					N VEL	1.59 //		LICICAROLA		
CATURDAN OWNEST,		1				EL S		-		
					WHN Y	N.W.Com		In	1/11/11/9	L
RONALD J EIDSON,						1 .			I W INAP	-
						1		Genificate	-	

#### APPLICATION FOR DRILLING

Charles B. Gillespie, Jr. Poker Lake Unit Well No. 73 660' FNL and 660' FEL Section 33, T-24-S, R-31-E Eddy County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill subject well, Charles B. Gillespie, Jr. submits the following nine items of pertinent information in accordance with USGS requirements:

1. The geologic surface formation is Quaternary.

2. The estimated tops of geologic markers are as follows:

Rustler	590 <b>'</b>
Salado	980 <b>'</b>
Lamar	4350'
Bell Canyon	4380 <b>'</b>
Cherry Canyon	5280'
Brushy Canyon	6560 <b>'</b>

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: Approximately 200' Oil or Gas: Bell Canyon: Approx. 4380' to 5280' Cherry Canyon: Approx. 5280' to 6560' Brushy Canyon: Approx. 6560' to 6950'

- 4. Proposed Casing Program: See Form 3160-3 and Exhibit F.
- 5. Pressure Control Equipment: See Form 3160-3 and Exhibit E.
- 6. Mud Program: See Exhibit G.
- 7. Testing, Logging and Coring Programs: Drill stem tests: None anticipated Mudlogging: Two man unit from 4350' (top of the Lamar Lime) to TD Electric Log Program: Compensated Density Dual Spaced Neutron Log Dual Laterolog Microguard Log Coring: None anticipated
- 8. No abnormal pressures or temperatures are anticipated.
- 9. Anticipated starting date: As soon as possible.

## MULTI-POINT SURFACE USE AND OPERATIONS PLAN

Charles B. Gillespie, Jr. Poker Lake Unit Well No. 73 660' FNL and 660' FEL Section 33, T-24-S, R-31-E Eddy County, New Mexico (Development Well)

This plan is submitted with Form 3160-3, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations so that a complete appraisal can be made of the environmental effects associated with the operations.

# 1. EXISTING ROADS.

A. Exhibit A is the BLM Quad-Color map no. SE-29. Exhibit B is a portion of a USGS topographic map of the area on a scale of approximately 2.65 inches to the mile, showing the location of the proposed wellsite and roads in the vicinity. The proposed location is situated approximately 17 miles east of Malaga, New Mexico, via the access route shown in red.

DIRECTIONS:

- 1. Proceed east from Loving, New Mexico on Highway 128 for approximately 22 miles.
- 2. Turn right (southwest) and continue on caliche road CR 786 for 4.6 miles.
- 3. Turn left (south) on existing caliche road CR 791 and continue for 1.1 mile to the drillsite.
- 2. PLANNED ACCESS ROAD.
  - A. The proposed access is an existing caliche road CR 791 which is currently being used.
  - B. A new road will be constructed from County Road 791 to the wellsite. The proposed new access will be approximately 160 feet in length from point of origin to the edge of the drilling pad. The road will lie in an east to west direction.
  - C. The new road will be 12 feet in width (driving surface), except at the point of origin, adjacent to the existing road CR 791, at which point enough additional width will be provided to allow heavy trucks and equipment to turn.
  - D. The new road will be covered with the necessary depth of caliche. The surface will be crowned, with drainage on both sides. No turnouts will be necessary.
  - E. The center line of the new road has been staked and flagged and the route of the road is clearly visible.

- 3. LOCATION OF EXISTING WELLS.
  - A. The well locations in the vicinity of the proposed well are shown in Exhibit C. There are five wells within a one-mile radius, one of these is plugged and abandoned.
- 4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES.
  - A. There are no producing wells on this lease at the present time.
  - B. In the event that the well is productive, tanks will be set at the existing production facilities located at the Poker Lake Unit No. 70 wellsite (SE/4 SE/4 of Section 28). If the well is productive of oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive of gas.
- 5. LOCATION AND TYPE OF WATER SUPPLY.
  - A. It is planned to drill the proposed well with a fresh water and brine system. The water will be obtained from commercial sources and will be hauled to the location by truck over the existing roads shown in Exhibits A and B.
- 6. SOURCES OF CONSTRUCTION MATERIALS.
  - A. Any caliche required for construction of the drilling pad and the new access road will be obtained from an existing pit on federally owned surface shown on Exhibit A.
- 7. METHODS OF HANDLING WASTE DISPOSAL.
  - A. Drill cuttings will be disposed of in the reserve pits.
  - B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
  - C. Water produced during operations will be collected in tanks until hauled to an approved disposal system or a separate disposal application will be submitted to the USGS for appropriate approval.
  - D. Oil produced during operations will be stored in tanks until sold.
  - E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
  - F. Trash, waste paper, garbage and junk will be buried in a separate trash pit and covered with a minimum of 24 inches of dirt. All waste material will be contained to prevent scattering by the wind.
  - G. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

# 8. ANCILLARY FACILITIES.

A. None required.

- 9. WELLSITE LAYOUT.
  - A. Exhibit D shows the dimensions of the well pad and reserve pits, and the location of major rig components.
  - B. The ground surface at the drilling location is sloping down gently towards the west. Cutting will be required to level the pad area, which will be covered with at least six inches of compacted caliche.
  - C. The reserve pits will be plastic lined.
  - D. The pad and pit area has been staked and flagged.
- 10. PLANS FOR RESTORATION OF THE SURFACE.
  - A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleared of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.
  - B. Unguarded pits, if any, containing fluids will be fenced until they have been filled.
  - C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Bureau of Land Management and the United States Geological Survey will be complied with and will be accomplished as expeditiously as possible. All pits will be filled and leveled within 90 days after abandonment.
- 11. TOPOGRAPHY.
  - A. The wellsite and access route are located in a relatively flat area with some sand dunes.
  - B. The top soil at the wellsite is sandy.
  - C. The vegetation cover at the wellsite is moderately sparse with prairie grasses, mesquite, some yucca and miscellaneous weeds.
  - D. No wildlife was observed but it is likely that rabbits, lizards, insects and rodents traverse the area. The area is used for cattle grazing.
  - E. There are no ponds, lakes, streams or rivers within several miles of the wellsite.
  - F. There is a stock tank located approximately 1/2 mile southwest of the proposed site.
  - G. The wellsite is located on federal surface.
  - H. There is no evidence of any archaeological, historical or cultural sites in the vicinity of the location.

#### 12. OPERATOR'S REPRESENTATIVES.

A. The field representatives responsible for assuring compliance with the approved surface use plan are:

David Hastings Production Manager Charles B. Gillespie, Jr. P. O. Box 8 Midland, Texas 79702 Phone: 915-683-1765 (office) 915-697-9817 (home) William R. Crow Exploration Manager Charles B. Gillespie, Jr. P. O. Box 8 Midland, Texas 79702 Phone: 915-683-1765 (office) 915-697-4312 (home)

#### 13. CERTIFICATION.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Charles B. Gillespie, Jr. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

May 15, 1990 Date

Name Will Manty







46 0540

(

(

K+E B X B TO THE INCH + 7 X 10 INCHES KEUFFEL & ESSER CO. MADE IN USA

(



PAD LAYOUT <u>EXHIBIT D</u> Charles B. Gillespie, Jr. Poker Lake Unit Well No. 73 660° FNL and 660° FEL Section 33, T-24-S, R-31-E Eddy County, New Mexico

\_\_\_\_

BLOW OUT PREVENTER <u>EXHIBIT E</u> Charles B. Gillespie, Jr. Poker Lake Unit Well No. 73 660' FNL and 660' FEL Section 33, T-24-S, R-31-E Eddy County, New Mexico



;

# Charles B. Gillespie, Jr.

#### SUMMARY

# DRILLING, CASING AND CEMENTING PROGRAM

- 1. Drill 12 1/4" hole to 600'+. Will be in the Rustler at this depth.
- Cement 8-5/8", 32# J-55 casing with 350 sx. Class 'C' Premium Plus containing 2% CaCl<sub>2</sub>. Run Texas Pattern Guide Shoe with an insert float valve in top of shoe joint. Use plug to displace cement.
- 3. Release pressure, nipple up and install BOP's. Test casing to 1000 psi after 18 hours and drill out cement.
- 4. Drill 7-7/8" hole to TD at 6950'+. A brine mud system will be used. Pit levelers and flowline sensors will be utilized on the pits. A mudlogging unit will be on location at 4350' to assist in evaluating samples and shows. Run Compensated Density Dual Spaced Neutron Gamma Ray Log, Dual Laterolog Microguard Log.
- 5. Run 5-1/2", 15.50# J-55 and 17# J-55 casing and cement with 800 sx. Class 'C' cement containing 2% gel, .4% Halid 4. Use Guide Shoe and Float Collar, and 12-15 centralizers where necessary. Use rubber plug, displace cement with clean, fresh water.
- 6. Perforations, acid job and additional stimulation to be determined after completion.

EXHIBIT F Charles B. Gillespie, Jr. Poker Lake Unit Well No. 73 660' FNL and 660' FEL Section 33, T-24-S, R-31-E Eddy County, New Mexico

# CEMENT PROGRAM (Also, See Exhibit G)

8 5/8" Casing: 350 sx. Class 'C' Premium Plus containing 2% CaCl<sub>2</sub>.

5 1/2" Casing: 800 sx. Class 'C' containing 2% gel, .4% Halid 4.

EXHIBIT F Charles B. Gillespie, Jr. Poker Lake Unit Well No. 73 660' FNL and 660' FEL Section 33, T-24-S, R-31-E Eddy County, New Mexico

# SUGGESTED DRILLING FLUID PROGRAM

- Surface: 600' of 8 5/8" Spud with fresh water gel to which lime is added to a 36-40 vis. Paper can be added for seepage.
- Production: 6950' of 5 1/2" Drill out below surface with brine/starch, adding Zeogel (salt gel) for viscosity. Mud weight and viscosity may be altered as hole conditions dictate. This type of drilling fluid should be sufficient to drill, test or log to TD.

EXHIBIT G Charles B. Gillespie, Jr. Poker Lake Unit Well No. 73 660' FNL and 660' FEL Section 33, T-24-S, R-31-E Eddy County, New Mexico