Submit to Appropriate District Office State Lease - 6 copies Fee Lease - 5 copies

CONDITIONS OF APPROVAL, IF ANY:

State of New Mexico Energy, Minerals and Natural Resources Department

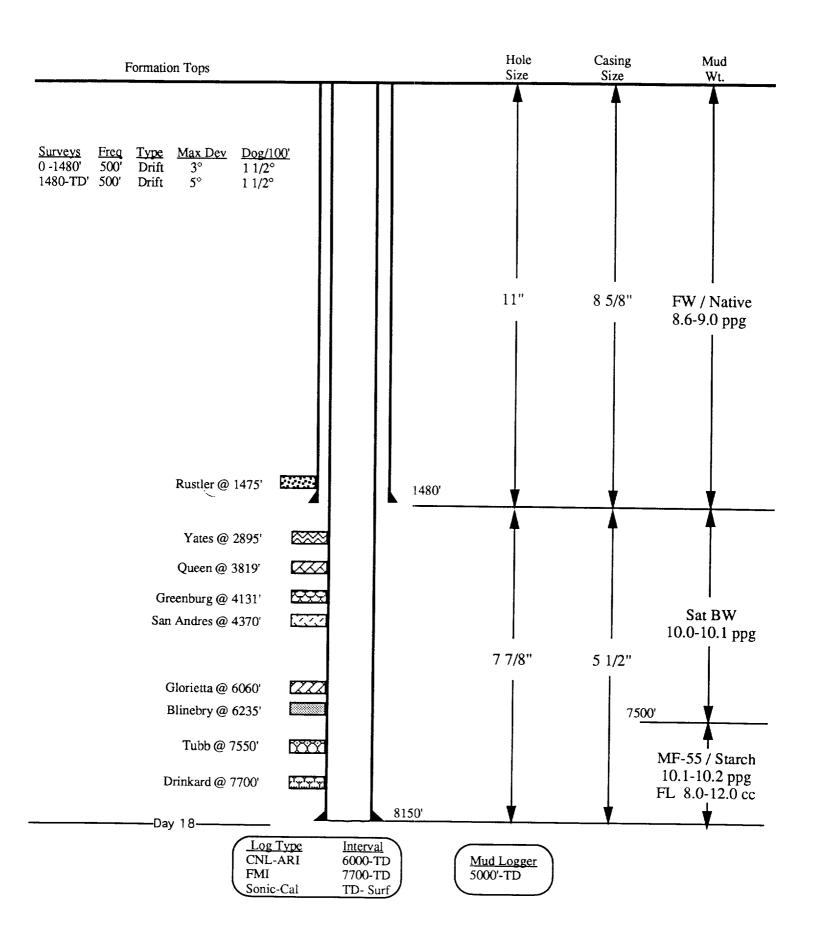
Form C-101 Revised 1-1-89

DISTRICT I P.O. Box 1980, Hobbs NA DISTRICT II	M 88240	P.O. Box 208 anta Fe, New Mexico 8	API NO. (assigned by OCD on NewWells) 5. Indicate Type of Lease				
P.O. Drawer DD, Artesia,		,		,,,	STATE	E X FEE	
DISTRICT III 1000 Rio Brazos Rd., Azte	ec, NM 87410			6. State Oil & G	as Lease No.		
APPLICATIO	N FOR PERMIT TO DR	ILL, DEEPEN, OR PLU	G BACK				
la. Type Of Work: DRIL b. Type of Well: OIL WELL X WELL	L X RE-ENTER	SINCI E	PLUG BACK MULTIPLE ZONE	7. Lease Name of STATE K	or Unit Agree	ment Name	
2. Name of Operator MOBIL PRODUCING	G TX & NM INC.*			8. Well No. 12			
3. Address of Operator	TION & PRODUCING U	S INC AS AGENT FOR	мртм, ВОХ 633,	9. Pool name or Wildcat VACUUM (DRINKARD)			
4. Well Location Unit Letter P	MIDLAND, TX 330 Feet From	om The SOUTH	Line and 990	Feet Fro	om The EAS	T Line	
Section 31	Townsh	ip 17-S Rang	_e 35E _N	_{MPM} LEA		County	
		10. Proposed Depti	<u>/////////////////////////////////////</u>	ormation			
		8200		DRINKARD	12.	Rotary or C.T. ROTARY	
13. Elevations (Show wheth		Kind & Status Plug. Bond	15. Drilling Contracto	tor 16. Approx. Date Work will start 02-08-94			
17.	PRO	POSED CASING AN	D CEMENT PROGI	RAM			
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CE	EMENT	EST. TOP	
11	8-5/8	24	1480	450 CL C			
7-7/8	5-1/2	17	8150/8200	920 CL H			
N ABOVE SPACE DESCR ONE. GIVE BLOWOUT PREVENT I hereby certify that the infor SIGNATURE	IBE PROPOSED PROGRAITER PROGRAM, IF ANY. IMAGINA above is true and comple	M: IF PROPOSAL IS TO DEEPEN OF	R PLUG BACK, GIVE DATA ON I	PROPER' POOL CO EFF. DAT API NO PRESENT PRODUCTIVE	TY NO CODE _ CODE _ CODE _ CODE _ CODE AND PRO	015 144 13709 2110 -3 94 025-32413 0POSED NEW PRODUCTIVE	
TYPE OR PRINT NAME KA	YE POLLOCK-LYON				TELEPHONE NO	o. 915-688-2584	
(This space for Soriginal	AL SIGNED BY JERRY S	SEXTON			FFI	3 5 4 1994	

TITLE _

Permit Expires 6 Months From Approval Date Unless Drilling Underway.

State "K" #12, #11 DRILLING SUMMARY



STATE "K" #12, #11 CASING DIAGRAM

Casing Depth Size HL in air: 36 M lbs HL in 9.0 ppg mud: 31.2M lbs HL w/Cmt to shoe: 49.4 M lbs HL w/Cmt in place: 6.7 M lbs 8 5/8" 24# USS-50 STC Casing @1480' 80% Burst rating: 2140 psi Max press allow w/ CTS: 1990 psi Min press to bump plug: 450 psi ID: 8.097" Drift: 7.972" Conn OD: 9.625" CHAIN DOWN CASING Bit Size: 11.0" Burst: 2680psi Coll: 1330psi JS: 243M psi BY: 347M psi MU Torque: Max: 3030 ft-lbs Min: 1830 ft-lbs Opt: 2430 ft-lbs 1490' Wellhead 11" 3M psi X 8 5/8", SOW, w/ 2-2" LPO's HL in air: 130.6 M lbs HL in 10.4 ppg mud: 110.5 M lbs 5 1/2" 17# K55 LTC Casing @ 0-2000' HL w/Cmt to shoe: 130 M lbs HL w/Cmt in place: 63.3 M lbs ID: 4.892" Drift: 4.767" Conn OD: 6.050" 80% Burst rating: 3504 psi Bit Size: 7 7/8" Max press allow w/ CTS: 800 psi Burst: 5320 psi Coll: 4910psi JS: 272M psi BY: 273M psi Min press to bump plug: 110 psi MU Torque: Max: 3400 ft-lbs Min: 2040 ft-lbs Opt: 2720 ft-lbs 5 1/2" 15.5# USS-50 LTC Casing @ 2000-7300' 815017200 ID: 4.950" Drift: 4.4.825" Conn OD: 6.050" Bit Size: 7 7/8" Burst: 4380 psi Coll: 3810 psi JS: 205M psi BY: 225M psi MU Torque: Max: 2560 ft-lbs Min: 1540 ft-lbs Opt: 2050 ft-lbs 5 1/2" 17# L80 LTC Casing @ 7300-8150'

Wellhead

11" 3M PSI X 7 1/16 3M W/ 2-2 1/16 5M FPO's

ID: 4.892" Drift: 4.767" Conn OD: 6.050"

Bit Size: 7 7/8"

Burst: 7740 psi Coll: 6280 psi JS: 348M psi BY: 397M psi

MU Torque: Max: 4350 ft-lbs Min: 2610 ft-lbs

Opt: 3480 ft-lbs

STATE "K" #12, #11 CEMENTING DETAIL

SURFACE

8 5/8" 24# USS-50 STC Casing @ 1480'

Casing Running Order

-- Float Shoe

-- 1 jt 8 5/8" casing

-- Float Collar (Thread Lock fron FC down)

Centralizers:

1 - 5' above shoe

1 - 5' float collat

1 - every fourth collar to Surface

Total: 11- centralizers 2-stop collars

Surface

Spacer: 25 bbls FW

*Lead: 250 sx "C" + 4% D20 + 2% S1 +

0.25 pps D29

*Tail: 200 sx "C" + 2% S1 + 0.25 pps D29

	Lead	<u>Tail</u>
Weight (ppg)	13.5	14.8
Yield (cf/sx)	1.74	1.32
Mix Water (gps)	9.11	6.32
Thick Time (hrs:min)	≥ 3:20	≥2:00
Free Water (cc/30 min)	≤ 1 <i>%</i>	<u>-</u> 1%
Fluid Loss (cc's)	NC	NC
12 Hr Comp Strength	≥ 500	≥ 700
72 Hr Comp Strength	≥ 1500	≥ 1500
Top of Cement	0	500'

* Est. volumes based on gauge hole + 100% excess. Run fluid or mechanical caliper to determine exact volumes.

- 1) Chain Down Casing
- 2) Circ. one hole vol. prior to cementing.
- 3) Displace cement w/FW @ 6-7 bpm. DO NOT OVERDISPLACE
- If cement does not circ. to surface, contact Drlg. Supt. and the NMOC.
- 5) Test casing to 1500 psi.
- 6) WAIT MIN 8 HRS PRIOR TO DRILL OUT

PRODUCTION

5 1/2" 17 K55 LTC Casing @ 0-2000'

5 1/2" 15.5# USS50 STC Casing @ 2000-7300'

5 1/2" 17# L80 LTC Casing @ 7300-8150'

Casing Running Order

-- Float Shoe

-- 2 jts 5 1/2" casing

-- Float Collar (Thread Lock fron FC down)

Centralizers:

1 - 5' above shoe

1 - 5' above float collar

1 - every third collar

Total: 27- centralizers

2- stop collars

Production

Spacer: 25 bbls FW

**Lead: 670 sx 35/65 (Poz/H) + 6% D20 + 5% D44 +

0.25 pps D29

**Tail: 250 sx "H" + .025 pps D29

	Lead	<u>Tail</u>
Weight (ppg)	12.8	16.4
Yield (cf/sx)	1.96	1.06
Mix Water (gps)	10.46	4.34
Thick Time (hrs:min)	≥ 3:00	≥ 2:39
Free Water (cc/30 min)	≤ 1%	< 1%
Fluid Loss (cc's)	NC	NC
12 Hr Comp Strength	≥ 400	≥ ** *
72 Hr Comp Strength	_ ≥ ***	_ ≥ ***
Top of Cement	3700'	7500"

^{**} Est volumes based on gauged hole size or 50% excess. Run log caliper for actual volumes. Use 25% excess for open hole x 51/2" casing annulus.

- 1) Reciprocate casing 15'-20' while conditioning hole
- 2) Circ. one hole vol. prior to cementing.
- 3) Displace cement w/FW @4-6 bpm. DO NOT OVERDISPLACE
- 4) WOC 8 hrs. ND BOP & cut casing to install tubing head.

State of New Mexico Energy, Minerals, and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT 1 P.O. Box 1980, Hobbs, NM 88240 DISTRICT II P.O. Drawer DD, Artesia, NM 88210

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator	TV 0 NA IN	C #140DH EVE	U OD A TION	Lease	1.6			Well No.		
MOBIL PRODUCING TX & NM INC.*MOBIL EXPLORATION Unit Le PRODUCING LIST INC Township							County	12		
P 31		17-S		35-E						
Actual Footage Location of		17-3		35-6		NMPM	LEA			
	om the SOUT	ТН	line and	990		feet from t	the EAST	line		
Ground level Elev.	Producing	g Formation		Pool			<u> </u>	Dedicated A		
GL 3972	DRINKARD			VACUU				40	Acres	
1. Outline the acreage dedicated to the subject well by colored pencil or hachure on the plat below.										
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).										
unitization,	3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?									
Yes If answer is "no		No If an	swer is "yes" tyr ptions which have	e of consolidate actually bee	ntion n consolidated. (Us	e reverse side	of			
this form it nec No allowable w	essary ill be assigned t	to the well until al	l interests have h	een consolida	ted (by communitie			noolie -	hamuigs	
or until a non-s	tandard unit, eli	minating such inte	erest, has been a	pproved by th	E Division.	zation, unitiza	ition, torcea-p	pooling, or of	herwise)	
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							I hereby	certify that	the information	
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							ompany			
							MOBIL PR	ODUCING	X & NM	
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State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT I P.O. Box 1980, Hobbs, NM 88240

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	Lease					Well No.	
	Explo	ration	& Producin	a II S		State "	K''			12	
Unit Letter	Section		Township	q, <u>0.5.</u>	Range	Jeace		C	ounty	12	
Р		31	17-S			R-35		1	•	_	
Actual Footage L	ocation of				J	<u> </u>		IMPM	Le	d	
330	feet f	rom the	South	line and		990	faat	from the	F4	1:	
Ground level Elev		Produc	ing Formation	ine and	Pool	330	166	Hom the	tast	line Dedicated Acr	eage:
3972			nkard			Vacuum					Ū
1. Out	ine the ac	reage dedicat	ed to the subject we	il by colored per	cil or hact		e niat below			40_	Acres
			edicated to the well,				-	working in	nterest and	rovalty).	
								-		• •	
3. II III	ore unan (zation fo	rce-pooling, e	ifferent ownership i	s dedicated to the	well, have	e the interest of a	all owners been	consolidat	ed by comm	nunitization,	
	Yes			nswer is "yes" tyj	e of come	didation				•	
If answ	er is "no	list the own	ers and tract descrip	tions which have	actually b	een consolidated	. (Use reverse a	tide of			
	m if necc		Land								
or until	a non-st	n de assigned indard unit. e.	to the well until all liminating such inte	interests have b rest, has been an	een consol: moved by 1	idated (by comm the Division	unitization, unit	ization, fo	rced-pooling	g, or otherwise)	
					novou oy	an Division.			<u></u>		
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