District I PO Box 1980. Hobbs. NM 88241 1980 District II

PO Drawer DD, Artesia, NM 88211-0719

District III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088 Form C-101 Revised February 10. 1994 Instructions on back Submit to Appropnate District Offico State Lease - 6 Copies Fee Lease - 5 Copies

District IV	. 5 304.05	504 2000		Santa		30 T 2000			r	٦			
PO Box 2088, Sa									L				
APPLICA	TION F	OR PE				ITER, DEE	PEN	N, PLUGBA	ACK,				
Conoc	o Inc		' (Operator Nar	me and Address.					, (_		
	sta Dr. St	e. 430E											
l .	nd, Tx. 79		00							30 - 0	25-34207		
' Prope	rty Code				P	roperty Name					Well No.		
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					'Surface	Location							
UL or lot no.	Section	ection Township Range Lot Idn Feet from the North/South line Feet from the				East/W	Vest line	County					
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				Bottom	Hole Loca	· · · · · · · · · · · · · · · · · · ·			ace				
UL or lot no	Section	Township	Range	Lotldn	Feet from the	North/South l	ine	Feet from the	East/W	est line	County		
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	SK	AGGS D	RINKA	<u>RD</u>									
" Work	Type Code		' Well Type	Code	" Cable	e/Rotary	-	" Lease type Co	de	14 G	round Level Elevation		
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Hole S 12-1/			g Size	Casi	ng weight/foot	Setting D 1250		-		1			
7-7/8			8-5/8" 23# 1250' 5-1/2" 17# 7000'			East/West line County EAST LEA face East/West line County East/West line East/West line East/West line County East/West line			1520				
			· <u> </u>		- 1.11								
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3. Cementi 4. BOP/Ch	ing prograr oke diagra	n ım				F	erm D	It Expires ats Unless	n Ye	ar error ing Ur	nderway		
of my knowled	=	iormation giv	ven above is	true and com	plute to the best	O:	LC	ONSERV <i>A</i>	TIO	N DIV	ISION		
Signature	MIL	ke J	[1]	ank	in	Approved by ORIGINAL SIGNED BY CHIRIS WILLIAMS							
Printed name		Mike L.	Mankin			Title:		13111101 130	∵LI IV	150H			
Title:	R	ight of V	√ay Ageı	nt		Approval Date:	JV 8	1997	Expirati	on Date:	**************************************		
Date:			Phone			Conditions of App	roval:						
	11/14/97	5794	A ttached										

District I PO Box 1980, Hobbs, NM 88241-1980 District II PO Drawer DD, Artesia, NM 88211-0719 District III 1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION PO Box 2088

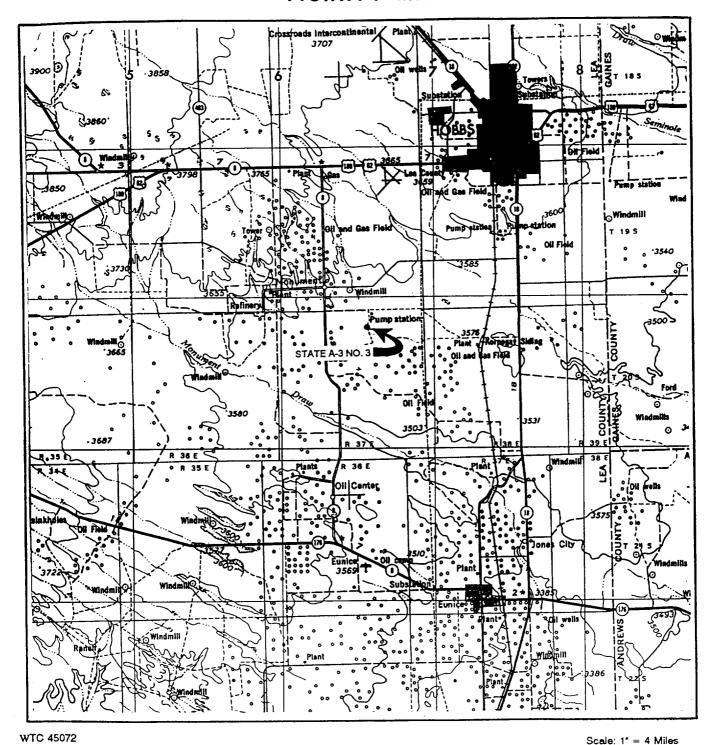
Form C-102 Revised February 21, 1994 Instructions on back Submit to Appropriate District Office State Lease - 4 Copies Fee Lease - 3 Copies

District IV PO Box 2088, S	enta Fe, N	M 87504-20B	В	San	ita Fe,	NM	87	304-200	00			AME	NDED REPORT
		W	ELL LO	OCATIO!	N AND	ACR	EAC	GE DEDIC	CAT	ION PL	АТ		
¹AF	1 Number			Pool Co	de					Pool Na	me		
30-02	15-34	(2 - 1 -	57	000				S DRINKA	RD			,	
*Property		, , , , , , , , , , , , , , , , , , ,				operty l						'1	Vell Number
- - 003094	22103					ATE A							3
'ogrid 005073	No.				COI	NOCO	IN	C					Elevation 3577'
				1	⁰ Surfa	ce L	oca	tion					
UL or lot no.	Section	Township	Range	Lot Idn	Feet from			h/South line	Fee	t from the	East/We		County
	3	20-S	37-E		231	0		SOUTH		990	EA:	ST	LEA
		¹¹ I	Botton	Hole	Locatio	n If	Dif	ferent Fr	rom	Surfac	:е		
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	n the	Nort	h/South line	Fee	t from the	East/We	est line	County
		<u> </u>						4.70			<u> </u>		<u> </u>
*Dedicated Acr	os "Joint	or Infill "C	onsolidatio	n Code	Order No.								
NO ALLOW	ABLE W	ILL BE AS	SSIGNEI NON-ST	TO TE	IIS COME UNIT H	PLETIC AS BE	ON U	JNTIL ALL APPROVE	D B	ERESTS Y THE D	HAVE B	EEN C	ONSOLIDATED
18						X	XXX	990, XXXXXXXXX	XXXX X	Signature Signature Printed Nan Title 18 SUR I hereby our war plotted or under my	ty that the suplete to the suplete sup	CER's well location and that the	TIFICATION Contained herein is knowledge and belief. C
							2310 X	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	×		NOVEME recy and Soul of PEGISTERES	BER 7,	SURVEYOR 8

Certificate Number

8278

VICINITY MAP



 SEC.
 3
 TWP.
 20-S
 RGE.
 37-E

 SURVEY
 N.M.P.M

 COUNTY
 LEA
 STATE
 NM

 DESCRIPTION
 2310' FSL & 990' FEL

ELEVATION 3577

OPERATOR CONOCO INC.

LEASE STATE A-3 NO. 3

Scale, 1 - 4 Miles

WEST TEXAS CONSULTANTS, INC.

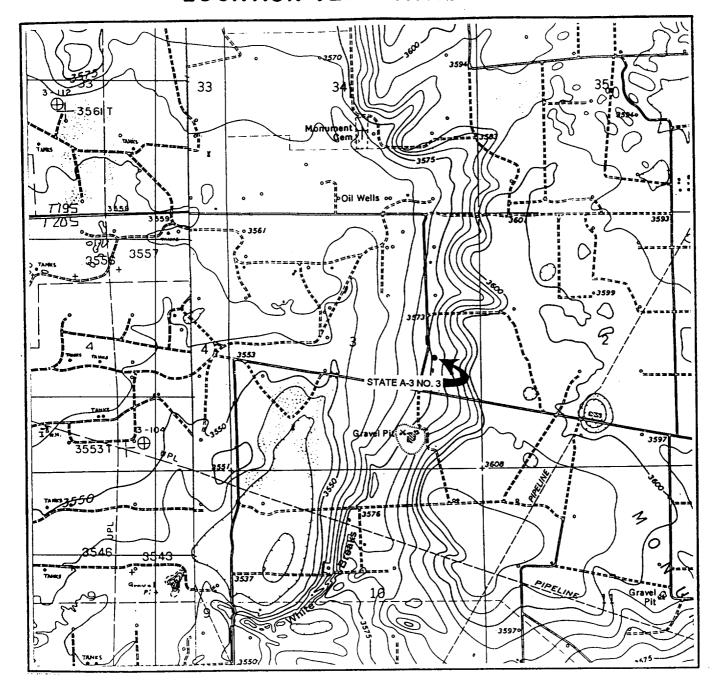
ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800



LOCATION VERIFICATION MAP



SCALE: 1" = 2000' WTC 45072

 SEC.
 3
 TWP.
 20-S
 RGE.
 37-E

 SURVEY
 N.M.P.M

 COUNTY
 LEA
 STATE
 NM

 DESCRIPTION
 2310' FSL & 990' FEL

 ELEVATION
 3577'

 OPERATOR
 CONOCO INC.

 LEASE
 STATE A-3 NO. 3

USGS TOPO MAP MONUMENT SOUTH, NM - HOBBS SW, NM CONTOUR INTERVAL 5'

WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

SECTION 3, TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M. **NEW MEXICO** LEA COUNTY. PATENTED LAND TRACT I = 95.0'(5.7 RODS)STATE LAND CONOCO INC. STATE A-3 NO. 3 N 89'58'58" E PROPOSED ROAD 1115.0 EXISTING ROAD 89'58'58" E **USA LAND** ₹ N 89'58'58" E

CENTERLINE DESCRIPTION OF A PROPOSED ROAD:

BEGINNING at a point in an existing road, from which point the southeast corner of Section 3, T-20-S, R-37-E, N.M.P.M., Lea County, New Mexico, bears S 00° 03' 42" W, 2185.0 feet and N 89° 58' 58" E, 1210.0 feet; THENCE N 89° 58' 58" E, with centerline of proposed road, 95.0 feet to the southwest corner of well pad for Conoco Inc. STATE A-3 WELL No. 3, for the end of this road, from which point the southeast corner of Section 3 bears N 89° 58' 58" E, 1115.0 feet and S 00° 03' 42" W, 2185.0 feet.

! hereby certify that this plat was prepared from an actual survey made on the ground and meets or exceeds all requirements for land surveys as specified by the state of New Mexico.

Earl Foote Registered Professional Surveyor

New Mexico Certificate No. 8278

PROPOSED ROAD TO SERVE STATE A-3 WELL NO. 3

CONOCO INC.

95.0 feet of proposed road in Section 3, T-20-S, R-37-E, N.M.P.M., Lea County, New Mexico

WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS	MIDLAND, TEXAS	
Survey Date: 11-7-97	Date: 11-10-97	Scale: 1" = 1000'

Survey Date: 11-7-97	Date: 11-10-97	Scale: 1" = 1000'					
WTC No. 45072	Drawn By: R.S.	Sheet 1 of 1					

PROPOSED WELL PLAN OUTLINE

WELL NAME LOCATION

STATE A-3 #3
'990 FEL & 2310' FSL, SEC. 3, T-208, R-37E, LEA CO.

Ground Level: Kelly Bushing:

TVD		FORMATION		TYPE OF	T	CASING		1	FORMATION	Т-		
1000. IN	MD	TOP8 & TYPE	DRILLING PROBLEMS	FORMATION EVALUATION	HOLE 80ZE	ł	Dema-	FRAC	PRESSURE	MUD	MUD	1
δ			POSSIBLE HOLE ENLARGEMENT AND	EUPEGATION	12-1/4°	SIZE	DEPTH	GRAD	GRADIENT NORMAL	8.4 - 9.5	FRESH	DAY
		,	SLOUGHING						NOMINE			
	-									İ		
1					İ							
						8-6/8*						
		RUSTLER 1305' TOP SALDO SALT 1395'	WASHOUTS IN SALT SECTION F/1400' - 2600'			235, M-50, ST&C 515 sx, circ.	1250					3
			2000							10	BRINE	
							1					
2							1					
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									•			
		BS SALDO SALT 2542*					Ì					
		YATES 2834'		MUDLOGGERS ON @ 2800'		Top 2nd Stage Tail at 2600"						
		SEVEN RIVERS 2896"				1.2000				1		
3					7-7/8"							
		QUEEN 3428'										
		PENROSE 3536										
		GRAYBURG 3744'		H28 MONITOR ON @ 3800"								
4						DV Tool @ 4000'		,	LESS THAN 8.3			
		SAN ANDRES 4128'										7
					<u> </u>							
			State A-2A > 7 lost 700 bbls 10 ppg brine at 4578 - 4650'		ľ							Ì
			Cured with LCM & mud up									
5												
		GLORIETA 5192										
		BLINEBRY 5896*				Top 1st Stage Tall at 5700°						
6												
9												
ļ		TUBB 6380'										
į												
ŀ		DRINKARD 8845'						1				
ĺ	_			GR-CAL-DLL-MLL and FDC-CNL-PE-Spect GR		m.			ESS THAN 8.3	10	STARCH-	
7		TD @ 7000°		2800'-TD. Pull GR-CAL to		5-1/2" 17#, K-55, LT&C	7000	E	3HP = 2750 psl	 	GELOTD	17
ļ				surface casing. Only run SG across Drinicard, Blinebry &		1520 sx, circ.						
-				Tubb				ļ				:
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8								!		İ		
	DATE	=	14-Nov-97		•		<u></u>			ــــــــــــــــــــــــــــــــــــــ		

APPROVED

Harris Bland, Karle Bundy, Reservoir Engineer Jim Tietems, Drilling Engineer

Well Name: State A-3 #3

Location : 990' FEL & 2310' FSL Sec 3, T-20S, R-37E, Lea County, New Mexico

Casing Program:

Surface 8 5/8" casing in 12 1/4" Hole at 1250 ft.

_casing in __77/8" Hole at 7000 ft. Production 5 1/2"

Cementing Program:

Surface

Class C Mixed at 12.7 ppg 315 sacks Additives 35:65:6 (Poz:Cem:Gel) + 2% CAC!_2 + 0.25 pps Cello-Flake

Class C Mixed at 14.8 ppg Tail 200 sacks Additives 2% A-7P

Production

1ST Stage

Class C Mixed at 12 ppg 195 sacks Lead Additives 16% Gel + 0.4% CD-32 + 0.2% SMS

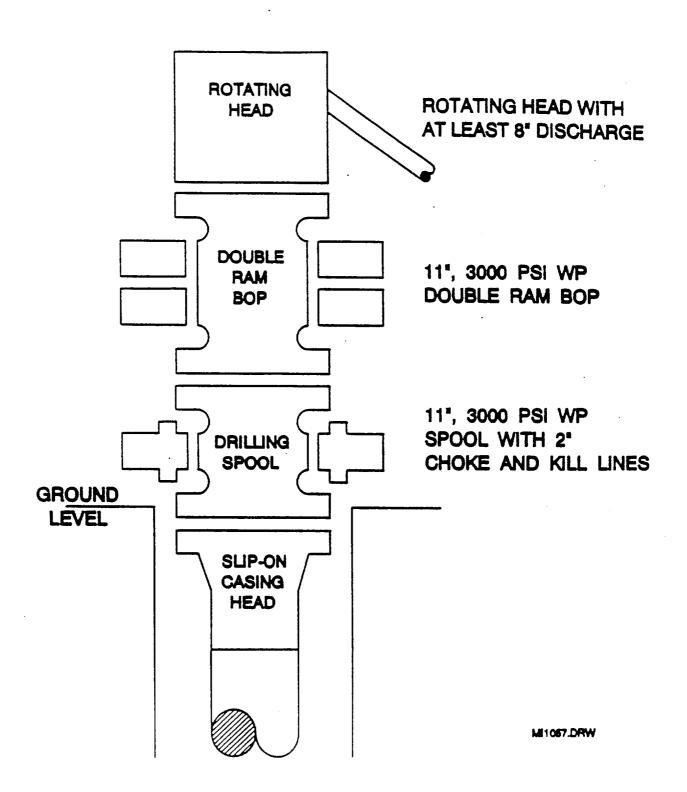
Class C Mixed at 14.8 ppg 295 sacks Additives 1.1% FL-62 + 1% BA-58 + 3% Salt + 0.3% CD-32 + 0.2% SMS 45 cc/30 min. Fluid Loss Free Water

2nd Stage

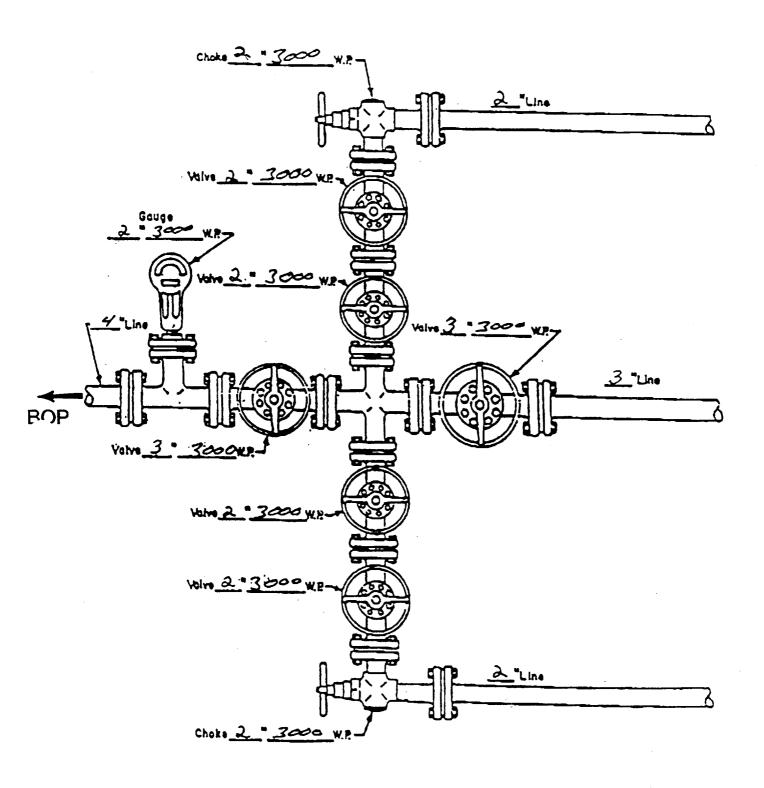
Class C Mixed at 12 ppg 480 sacks Additives 16% Gel + 0.4% CD-32 + 0.2% SMS

Class C Mixed at 14.8 ppg 550 sacks Additives 1.1% FL-62 + 1% BA-58 + 5% Salt + 0.3% CD-32 + 0.2% SMS 45 cc/30 min. Free Water 0 Fluid Loss

BOP SPECIFICATIONS



CHOKE MANIFOLD DIAGRAM



MANIFOLD

Monuel
 Hydraulic
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