Form 3160-3 (huy 1992)		ED STATES P. (		Shiston	FORM APPR OMB NO. 100 Expires February	04-0136
	DEPARTMEN	T OF THE INTER	RIORNEW MEXICO	88240	5. LEASE DSIGNATION A	ND SERIAL NO
	BUREAU OF	LAND MANAGEN EN	T		LC <del>03169</del>	5B-063458
APPL	ICATION FOR PE	RMIT TO DR L	LOR DEEPEN		6 IF INDIAN, ALLOTTEE (	DR TRIBE NAME
	NILL			-	7 UNIT AGRREEMENT NA	ME
D. TYPE OF WELL	GAS OTHER				8. FARM OR LEASE NAME WEL	L NO
2. NAME OF OPERATOR		<u></u>	55118		Warren Uni	1B-T #315
(	Conoco Inc.			F	9. API WELL NO 3C-C	
a. ADDRESS AND TELEPHONE NO	)					
10 Desta	Dr. Ste 430E, Midland	1, Tx. 79705-4500		f	10. FIELD AND POOL, OR	WILDCAT
4 LOCATION OF WEL At surface	L (Report location clearly an	nd in accordance with any 2630' FNL & 1330		-	Warren Blinebry-Tu 11. SEC, T., R., M., OR BL AND SURVEY OR ARE	LK.
At proposed prod. zo	ne l	2630" FNL & 133	0' FWL		Sec. 26, T20-S	
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	EST TOWN OR POST OFIC	E*		12 COUNTY OR PARISH	13. STATE
					Lea	NM
5. DISTANCE FROM PROP LOCATION TO NEARE PROPERTY OR LEASE	OSED <sup>*</sup> ST E LINE, FT. rlg. unit line, if Any)	16 NC	O OF ACRES IN LEASE	17. NO. OF TO TH	ACRES ASSIGNED IS WELL 40	
8. DISTANCE FROM PRO	POSED LOCATION <sup>®</sup>	19 PR	OPOSED DEPTH	20. ROTAR	Y OR CABLE TOOLS	
OR APPLIED FOR, ON T	DRILLING, COMPLETED, HIS LEASE, FT,		6850'		Rotary	
21. ELEVATIONS (Show W	hether DF, RT, GR, etc)				22. APPROX. DATE WO	RK WILL START*
		3558' GR			3/31/9	8
23		PROPOSED CASING AN	D CEMENTING PROGRAM	м		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH		QUANTITY OF CEMEN	T
12-1/4"	M-50, 8-5/8"	23#	1400'		565 sxs, circ.	
7-7/8"	K-55, 5-1/2"	17#	6850'		1280 sxs, circ.	

It is proposed to drill a vertical wellbore as a Blinebry-Tubb Oil & Gas producer. NOS was filed 2/23/98. The well will be drilled and equipped according to the following additional attachments:

1. Well Location & Acreage Dedication Plat (C-102) along with other associated maps and plats.

- 2.. Proposed Well Plan Outline
- 3. Cementing Plan.

APPROVED BY

- 4. Surface Use Plan.
- 5. Trailer Mounted Rig Layout Drawing.
- 6. BOP & Choke Manifold Specifications.
- 7. H2S Drilling Operations Plan.
- 8. Surface owner communications.

This application includes ROW's for the well pad, electric line, a ccess road and flowline.

The undersigned accepts all applicable terms, conditions, stipulations and restrictions concerning operations conducted on the leased land or potion thereof, as described above and as covered by BLM Bond File No. ES-0085.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deeper give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any

SIGNED _	Jo ann Johnson	Io Ann Johnson TITLE Property Analyst	
(This sp	pace for Federal or State office use)		
PERMIT N	10	APPROVAL DATE	
Application	approval does not warrant or certify that the applicant hold	s legal or equitable title to those righs in the subject lease which we	ould entitle the applicant to conduct operations thereon
CONDITION	NS OF APPROVAL, IF ANY:		
	的關係的意义和问题的人,其中因而	- ADM. MINERALS	ATE 4-16-44

\*See Instruct ons On Reverse Side

DATE \_\_\_\_

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.

District II PO Drawer DD, A District III 1000 Rio Brazos	Box 1980, Hobbs, NM 88241-1980 Priot II Drawer DD, Artesia, NM 88211-0719 Strict II 00 Rio Brazos Rd., Aztec, NM 87410 OIL CONSERVATION DIVISION PO Box 2088 Santa Fe, NM 87504-2088						t to App	Instruc ropriate tate Lea Fee Lea	Form C-102 uary 21, 1994 tions on back District Office se - 4 Copies se - 3 Copies DED REPORT		
		WI	ELL LO	CATIO	N AND	١CF	REAGE DEDIC	the second se		,	
'AP	Number			* Pool Co	1			Pool Na			
30-02	5-34	1371	6296	55		War	ren Blinebry-	-Tubb Oil &	Gas		
* Property					* Proj	erty	Name			<b>' W</b> e	all Number
003127			WARREN UNIT B-T 315							315	
'OGRID	No.									Slevation	
0050	73				CON	000	D INC.				3558'
L		<u> </u>		10	° Surfac	e I	ocation				
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/Wei	st line	County
F	26	20-S	38-E		2630		NORTH	1330	WE	ST	LEA
L		11 I	Bottom	h Hole	Location	If	Different Fr	om Surfac	e	· · · · · · · · ·	
UL or lot no.	Section	Township	Range	Lot Idn	Feet from	the	North/South line	Feet from the	East/We	st line	County
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<sup>12</sup> Dedicated Acr 40	I		onsolidatio		Order No.	. <u> </u>					
NO ALLOW	ABLE W	TLL BE AN OR A N	SSIGNE	D TO TH ANDARD	UNIT HA	ETI 5 B	ON UNTIL ALL EEN APPROVEI	INTERESTS D BY THE D	HAVE B IVISION	EEN CC	NSOLIDATED
16		T						17 ODE			IFICATION

16			<sup>17</sup> OPERATOR CERTIFICATION I hereby cartify that the information contained herein is true and complete to the best of my knowledge and belief.
2600			Signatúre Jo Ann Johnson Printed Name Property Analyst Title 3/11/98 Date
1330'	LAT.=32'32'38" LONG.=103'07'24"		<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of sotnal surveys made by me or under my supervision, and that the same is true and
			Date of Survey Signature and Seal of Physics Surveyor:
			FILE B278 JULE AND SO
		l	Certificate Number 8278

J

VICINITY MAP



ELEVATION 3558

OPERATOR CONOCO INC.

LEASE WARREN UNIT B-T NO. 315

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800

### LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

WTC 45166

- SEC. <u>26</u> TWP. <u>20-S</u> RGE. <u>38-E</u> SURVEY <u>N.M.P.M</u>
- COUNTY LEA STATE NM
- DESCRIPTION 2630' FNL & 1330' FWL
- ELEVATION 3558
- OPERATOR CONOCO INC.
- LEASE WARREN UNIT B-T NO. 315
- USGS TOPO MAP HOBBS SW, NEW MEXICO HOBBS SE TEXAS-NEW MEXICO

CONTOUR INTERVAL \_\_\_\_\_5 '\_\_\_

#### WEST TEXAS CONSULTANTS, INC.

- ENGINEERS-PLANNERS-SURVEYORS
  - MIDLAND, TEXAS
    - 915-685-3800



BEGINNING at a point in an existing electric lir e, from which point the southwest corner of Section 26, T-20-S, R-38-E, N.M.P.M., Lea County, New Mexico bears N 89° 58' W, 1480.0 feet and S 00° 01' E, 1879.0 feet; THENCE N 00° 02' 39" E, with the centerline of proposed electric line, 851.1 feet to a point for the end of this line, from which point an anchor easement bears N 00° (2' 39" E, 30.0 feet and the southwest corner of Section 26 bears N 89° 58' W, 1480.0 feet and S 00° 01' E, 2730.1 feet.

I 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
Earl Foote Registered Professional Surveyor New Mexico Certificate No. 8278

#### PROPOSED ELECTRIC LINE TO SERVE WARREN UNIT B-T WELL No. 315

#### CONOCO INC.

851.1 feet of proposed electric line in Section 26, T-20-S, R-38-E, N.M.P.M., Lea County, New Mexico

#### WEST TEXAS CONSULTANTS, INC.

Survey Date: 2-5-98	Date: 3-4-98	Scale: 1" = 1000'
WTC No. 45166	Drawn By: R.S.	Sheet 1 of 1





#### PROPOSED WELL PLAN OU LINE

#### GL = 3558

ATIC		2630' FNL & 1330' FV	VL S28-T20S-R38E  DRILLING  PROBLEMS	FORMATION	HOLE		FRAC	FORMATION PRESSURE	BELOW GROUN MUD WEIGHT &	
)		FORMATION	& COMMENTS		SIZE 12-1/4*	PROGRAM	GRAD	GRADIENT	Spud	DAY
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		Rustler @ 1300'				565 sx. Circulate Cement	ļ		10 0	1
		1 op Salt @ 1400'	Washouts in Salt Section		7-7/8*				10 ppg Brine	
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		Base Salt @ 2600'								
		Yates @ 2837'	Possible Deviation							
00	3000	7-Rivers @ 3107'								
	F								ļ	
		4		H2S Monitor on at 1500'						
	<u> </u>	Queen @ 3669'		No Mud Log						
		Penrose @ 3820'						1		
		Grayburg @ 4003"					1			
00	4000	4			ĺ	Mud up with Gel-Starch if				
		San Andres 🤁 4290'	Possible losses and seepage to TD			necessary to control losses.				1
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00	5000	-								
		Glorieta @ 5531'	Possible differential sticking through							
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		-	•							
		- Зlinebry @ 5920'				Top Tail Cement @ 5700				
00	6000	-{								
		Tubb Mkr @ 6466'								
		-							Starch/salt gei	<u>1</u> e
		Drinkard @ 6762'		GR-CAL-CNL-FDC-I 4LL-DLL-PE 2800'-TD		5-1/2", 17#, K-55, LT&C @ 6850'				
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	4	in Liele	m		$\leq$	In miller				
	In Tie	terns, Drilling Engineer	4-Mar-98		Jo M	ller, Reservoir Engineer		4-Mar-98		
		~ ~ ~ //								

#### Well Name : Warren Unit #315

#### Location : 2630' FNL & 1330' FW\_ Sec 26, T-20S, R-38E, Lea County, New Mexico

#### Casing Program :

Surface	8 5/8"	casing	in	12 1/4"	Hole	at _	1400	_ft.
Production	5 1/2"	casing	in	7 7/8"	_Hole	at _	6850	_ft.

#### Cementing Program :

. •

<u>Surface</u>					
Lead	365	sacks	Class C		
Additives	35:65:6	(Poz:Cem:Gel)	+ 2% CACL	_2	
-	+ 0.25 p	ps Cello-Flake			
Mixed at	12.7	ppg	Yield	1.87	_cuft/sk
Tail	200	sacks	Class C		
Additives	2% A-7F				
Mixed at	14.8	ppg	Yield	1.34	cuft/sk
<b>Production</b>					
Lead	1020	sacks	Class C		
Additives	16% Gel	+ 0.4% CD-32	2 + 0.2% SN	/IS	
Mixed at	12	ppg	Yield	2.68	cuft/sk
Tail	260	sacks	Class C		
Additives	1.1% FL-	62 + 1% BA-5	8 + 3% Salt	+ 0.3%	CD-32
	+ 0.2	% SMS			
Mixed at	14.8	ppg	Yield	1.37	cuft/sk
Free Water	0	% F	luid Loss	45	_cc/30 mir
		· · ·			

#### SURFACE USE PLAN Conoco Inc.

#### Warren Unit B-T #315

The following is required information concerning the possible affect which the drilling of this well may have on the environment, existing road sites, and surrounding acreage. A copy will be posted on the derrick floor so all contractors and sub-contractors will be aware of all items of this plan.

#### 1. Existing Roads

- A. The proposed well site is 2630' FNL & 1330' FWL, Sec. 26, T20S, R38E
- B. Directions to the location are as follows:

South of Hobbs on Hwy. 18 to  $\frac{1}{2}$  mile south of Mile Marker #39; turn east and travel  $\frac{1}{2}$  mile; turn north and travel  $\frac{1}{2}$  mile; turn west and travel  $\frac{1}{4}$  mile; then turn south to location.

C. No improvement or maintenance is anticipated for the existing roads.

#### 2. <u>Planned Access Roads</u>

- A. 664.9' of new access road will be required.
- B. Turnouts as required by surface managing agency.
- C. Culverts as required by surface managing agency.
- D. Gates, cattleguards, or fences as required by surface managing agency.

#### 3. <u>Topographic Map and Well Location</u>

A 7.5" quadrangle topo map was filed with the NOS.

#### 4. <u>Additional Rights-of-Way</u>

Electric line, access road and flowline as shown on attached plats.

5. <u>Water Supply</u>

Fresh and brine water will be obtained from Goldstar's Water Station located 1 mile north of Eunice, NM, and will be trucked to location by the same directions for reaching the drilling site.

6. <u>Source of Construction Materials</u>

Construction materials will be obtained from the SE/4 SE/4, Sec. 15, T20S, R38E, Lea County, NM.

#### 7. Methods of Handling Waste Disposal

- A. The drill cuttings, fluids and completion fluids will be placed in the reserve pit. The reserve pit will be fenced on three sides away from the pad during drilling and the fourth side fenced as soon as the rig moves out. The reserve pit will be allowed to dry, and materials remaining in the reserve pit buried. The reserve pit will be backfilled, leveled and contoured so as to prevent any materials being carried into the watershed. Upon completion, the pad will be leveled, contoured, and reseeded with the appropriate seed mixture as specified by the surface managing agency.
- B. All garbage and trash will be hauled av/ay to designated landfill by Conoco.
- C. Chemical toilets will be provided and maintained during drilling operations.

#### 8. Ancillary Facilities

No ancillary facilities are planned.

9. <u>Wellsite Layout</u>

See attached Wellsite Layout. The V-door faces East. The reserve pit will be lined with plastic and the pad and pits are staked. All unguarded pits containing liquids will be fenced and any unguarded pit containing liquids will be fenced.

10. Plans for Restoration of Surface

Reserve pits will be rehabilitated once dr lling fluids have been allowed to evaporate to the point the pits are dry enough for backfilling and leveling. In the event drilling fluids will not evaporate in a reasonable time period, the fluids will be removed and transported by tank truck to a state approved disposal facility. Backfilling and leveling of the location will be completed within a time period of one year upon cessation of drillir g operations.

#### 11. Surface Ownership

The surface ownership is Robert A. McCasland and Dallas M. McCasland.

#### 12. Archeological Clearance

An archeological survey is being conducted and will be provided upon completion.

#### 13. Operator's Representative and Certificatio 1

The person who can be contacted concerning compliance of this Surface Use Plan is:

Mike L. Mankin 10 Desta I)rive, Suite 430E Midlan I, Texas 79705 (915) 686-5794 I hereby certify that I, or persons under my direct supervision, have inspected the proposed drilling site; that I am familiar with the conditions which currently exist; that the statements made in this plan, are, to the best of my knowledge, true and correct; and that the work associated with operations proposed herein will be performed by Conoco Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Mike L. Markin

Mike L. Mankin Right-of-Way Agent

3-11-98

Date







EXHIBIT D

## **BOP SPECIFICATIONS**



# CHOKE MANIFOLD DIAGRAM



MANIFOLD Monuel

#### H2S DRILLING OPERATIONS PLAN

#### I. Hydrogen Sulfide Training

All contractors and subcontractors employed by Conoco will receive or have received training from a qualified instructor within the last twelve months in the following areas prior to commencing drilling operations on this well.

- 1. The hazards and charac eristics of hydrogen sulfide (H2S)
- 2. Safety precautions
- 3. Operations of safety equipment and life support systems.

In addition, contractor supervisory personnel will be trained or prepared in the following areas:

- 1. The effect of H2S on n etal components in the system, especially high tensile strength tubulars are to be used.
- 2. Corrective action and shut-down procedures when drilling or reworking a well, blowout prevention and well control procedures, if the nature of work performed involves these items.
- 3. The contents and requirements of the contingency plan when such plan is required.

All personnel will be required to carry documentation of the above training on their person.

#### **II. H2S EQUIPMENT AND SYSTEMS**

1. Safety Equipment

The following safety equipment will be on location:

- A. Wind direction indicators as seen in attached diagram.
- B. Automatic H2S detection alarm equipment (both audio and visual).
- C. Clearly visible warning signs as seen on the attached diagram. Signs will use the words "POISON GAS" and "CAUTION" with a strong color contrast.
- D. Protective breathing equipment will be located in the dog house and at briefing areas as seen in the attached diagram.

- 2. Well Control Systems
  - A. Blowout Prevention Equipment

Equipment includes but is not limited to:

- a. pipe rams to accomodate all pipe sizes
- b. blind rams
- c. choke manifold
- d. closing unit
- e. flare line and means of ignition
- **B.** Communication

The rig contractor will be required to have two-way communication capability. Conoco will have either land-line or mobile telephone capabilities.

C. Mud Program

The mud program has been designed to minimize the volume of H2S circulated to surface. Proper mud weight, safe drilling practices, and the use of H2S scavengers when appropriate will minimize hazards when penetrating H2S bearing zones.

D. Drill Stem Tests

There are no drill stem tests proposed for this well.

#### III. WELL SITE DIAGRAM

A complete well site diagram including the following information is attached:

- 1. Rig orientation
- 2. Terrain
- 3. Briefing areas
- 4. Ingress and egress
- 5. Pits and flare lines
- 6. Caution and danger signs
- 7. Wind indicators and prevai ing wind direction

(conoco)

Mike L. Mankin Right of Way Agent Right of Way and Claims

Conoco Inc. 10 Desta Drive, Suite 430E Midland, Texas 79705 (915) 686-5794

February 19, 1998

Bureau of Land Management 620 E. Greene Carlsbad, New Mexico 88221

Attn: Mr. Barry Hunt, Surface Protection Specialist

Re: Settlement for Well Location and Appurtenances WARREN UNIT B-T, Well # 315 Section 26, T20S, R38E Lea County, New Mexico

Dear Mr. Hunt:

By this letter Conoco Inc. has made settlement, with surface owner, for the construction of the above referenced location and appurtenances.

If you have any questions, please contact me at §15-686-5794.

Sincerely,

m\_ l

Mike L. Mankin