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		AND MANAGEMEN			5. LEASE DSIGNATION	
	ICATION FOR PE		· · · ·		6 IF INDIAN, ALLOTTEE	
APPL A TYPE OF WORK	ICATION FOR FE	NIN TO DRILL				
DR b. TYPE OF WELL		DEEPEN		TIPLE	7 UNIT AGRREEMENT N	
	GAS OTHER		DNE ZONE		8. FARM OR LEASE NAME WE	
2. NAME OF OPERATOR	Conoco Inc.				Warren Unit 1 9. API WELL NO	3-1 #310
ADDRESS AND TELEPHONE NO	)				30-025- <del>3</del>	4370-348
	Dr. Ste 430E, Midland		<u>.</u>		10. FIELD AND POOL, C	
4. LOCATION OF WEL At surface	LL (Report location clearly an	d in accordance with any 1330' FSL & 1260	יבבו		Warren Blinebry-T	
At proposed prod. zo	ne I	- 1330' FSL & 1260	SUBJE(	ot <b>to</b> P <b>rova</b> l	11. SEC, T., R., M., OR J AND SURVEY OR AF Sec. 27, T-20-	ед S, R-38-Е
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	ST TOWN OR POST OFIC			12 COUNTY OR PARISH	13. STATE
		I			Lea	NM
5. DISTANCE FROM PROP LOCATION TO NEARES PROPERTY OR LEASE		16 NO	OF ACRES IN LEASE	17. NO. O TO T	F ACRES ASSIGNED HIS WELL	
(Also to nearest di 8. DISTANCE FROM PROI	rlg. unit line, if Any) POSED LOCATION*	19. PR	OPOSED DEPTH	20. ROTA	40 RY OR CABLE TOOLS	
TO NEAREST WELL, E OR APPLIED FOR, ON TH	DRILLING, COMPLETED, HIS LEASE, FT,		6850'		Rotary	
21. ELEVATIONS (Show W	hether DF, RT, GR, etc )	<b>_</b>			22. APPROX. DATE WO	
23		3544' GR	<u>.                                    </u>		01/01	/00
	I	PROPOSED CASING ANI	CEMENTING PROGR	AM		
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	WITNE	QUANTITY OF CEME <b>SS</b> 565 sxs, circ.	NT
12-1/4"	M-50, 8-5/8"	23#	1400'	TT 8 8 8 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	UUU JOJ SXS. CIFC.	
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	25-	348:	39	629				Warren Blinel	ory-Tubb Oi	1 & Gas		
' Property			1				roperty	Name INIT B-T			<b>*</b> *	S10
003127	No.							Name			•	Elevation
0050	73							O INC.				3544'
	r	<b>.</b>			r -			Location				
UL or lot no.	Section 27	Townshi 20-3	- 1	Range 38-E	Lot Idn	Foot from 133		North/South line SOUTH	Feet from the 1260	East/Ve EA		County LEA
			<u>.</u>		h Hole	<u> </u>		Different F	L			
UL or lot no.	Section	Townshi		Range	Lot Idn	Feet from		North/South line	Feet from the	East/Ve	est line	County
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40 NO ALLOW	ABLE W							ION UNTIL ALL			EEN CO	ONSOLIDATED
		OR A	A N	ION-ST	ANDARD	UNIT H	IAS E	BEEN APPROVE	D BY THE D	IVISION	;	
16									<sup>17</sup> OPE	RATOR	CERI	TIFICATION
										-		contained herein is knowledge and belief.
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												ahove on this plat
									or ander my	supervision,	and that th	l surveys made by me e same is true and
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					LOI	.=32'32'25" NG.=103'07'	55			FEBRUA		
	. <u> </u>							1260'	Signature	and Soal to	N ME	Contractor
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									Certificate	Number	ESSION S	LAND
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VICINITY MAP



915-685-3800

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LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

WTC 45166

1 5

USGS TOPO MAP HOBBS SW, NEW MEXICO - HOBBS SE

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

# WEST TEXAS CONSULTANTS, INC.

ENGINEERS-PLANNERS-SURVEYORS

MIDLAND, TEXAS

915-685-3800







BEGINNING at Conoco Inc. WARREN UNIT B-T WELL No. 310, from which point the southeast corner of Section 27, T-20-S, R-38-E, N.M.P.M., Lea County, New Mexico bears East 1260.0 feet and S 00° 01' E, 1330.0 feet;

THENCE with the centerline of proposed flowline as follows: N 89° 58' 45" W, 140.1 feet; S 00° 03' 52" W, 139.7 feet; N 89° 51' 22" E, 75.6 feet; S 00° 02' 11" W, 667.2 feet; S 89° 33' 01" W, 3126.0 feet; N 00° 07' 60" W, 172.2 feet; N 78° 42' 58" W, 50.2 feet and S 07° 00' 04" W, 14.3 feet to a point at WUBT CENTRAL SEPARATORS, for the end of this line, from which point the southwest corner of said Section 27 bears West 777.3 feet and S 00° 02' E, 666.6 feet.

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#### 3 PROFOSED WELL PLAN OULLINE

#### GL - 1544\*

LNAN		Warren Unit N							BELOW GROUND	0154
			L S27-T205-R38E DRILLING PROBLEMS & COMMENTS	FORMATION	HOLE	CASING PROGRAM	FRAC	FORMATION PRESSURE GRADIENT	MUD WEIGHT & TYPE	DAY
- 0		FORMATION			12.1/4*				Spud	
F			Poseble hole anglergement and sloughing							
E										
F										
E										
F								Loss than 8.3		
E										
, [1	000						1			
⊢						8-5/8", 23#, M-50				
F		Ruetter @ 1700'				ST&C @ 1400' 565 sx. Circul <i>a</i> te Cement				h.
E		Rustler @ 1300' fop Salt @ 1400'	Washouts in Salt Section		7.7/8"				10 ppg Brine	2
F										
ŀ			1				1			
0 2	2000									
۳É	2000									1
F								Less than 3.4		
F										
F		Base Salt @ 2600"								
ŀ		Yates @ 2796'	Possible Deviation							
F										
0 3	3000	7-Rivere @ 3057'								
F							1			
ł										
ļ				H2S Monitor on at 3500' No Mud Log						
ŀ		Queen @ 3614' Penrose @ 3768'		ina maa cag			1			
		1								
ł		Grayburg @ 3948'	3							
юĘ	4000					Mud up with Gel-Starch if necessary to control losses.				
ł		San Andras @ 4213'	Possible losses and seepage to TD			inscessery to control losses.		•		
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20	5000	}								ľ
		1			ľ					
		Glorieta @ 5475'	Possible differential sticking through Glorieta				1			
		1								
		Blinebry @ 5940'				Top Tail Cement @ 5700				
00	8000	]					1			
0	0000	4								
		1								
		Tubb Mkr @ 6437					1			
		-							Starch/sait gel	18
	<u>}</u>			GR-CAL-CNL-FDC-MLL-DLL-PE	_	5-1/2", 17#, K-55, LT&C				
		Drinkard @ 6741'		2750'-TD		@ 6850' 1280 sx. Circulate Cament				
00	7000	TD @ 6850'								
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	1/2	- (Mar	4-Mas-98		7	Byp Reservoir Engineer	<u> </u>	4-Mar-98		

Tim Schrieder, Production Engineer 4-Mar-98

# Well Name : Warren Unit #310

# Location : 1330' FSL & 1260' FEL Sec 27, T-20S, R-38E, Lea County, New Mexico

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Casing Program :

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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 (Pc	z:Cem:Ge	el) + 2% CACL2		
	+ 0.25 pps	Cello-Flak	e		
Mixed at	12.7	ppg	Yield	1.87	_cuft/šk
		_			
Tail	200	sacks	Class C		
Additives	2% A-7P				
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 + 0.2% SM	S	
Mixed at	12	ppg	Yield	2.68	_cuft/sk
Tail	260	sacks	Class C		
Additives	1.1% FL-62	+ 1% BA	-58 + 3% Salt +	0.3%	CD-32
	+ 0.2% \$	SMS			<u> </u>
Mixed at	14.8	ppg	Yield _	1.37	_cuft/sk
Free Water	0	_%	Fluid Loss	45	cc/30 min.

#### SURFACE USE PLAN Conoco Inc.

#### Warren Unit B-T #310

The following is required information concerning the possible effect 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 1330' FSL & 1260' FEL, Sec. 27, T20S, R38E, Lea County, New Mexico.
- B. Directions to the location are as follows:

South of Hobbs on Hwy. 18 to Mile Marker #39; turn west and travel 1 mile; turn south and travel ½ mile; turn east and travel ½ mile; then turn north for ¼ mile.

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

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

- A. 643.7' 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. Topographic Map and Well Location

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

4. Additional Rights-of-Way

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 NE/4, Sec. 4, T21S, R37E, 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 away to designated landfill by Conoco.
- C. Chemical toilets will be provided and maintained during drilling operations.

#### 8. <u>Ancillary Facilities</u>

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 drilling 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 drilling operations.

#### 11. Surface Ownership

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

#### 12. Archeological Clearance

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

### 13. Operator's Representative and Certification

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

Mike L. Mankin 10 Desta Drive, Suite 430E Midland, 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.

Mite L. Manking

Mike L. Mankin Right-of-Way Agent

3-11-98

Date







**EXHIBIT** D

# **BOP SPECIFICATIONS**



# CHOKE MANIFOLD DIAGRAM



MANIFOLD

⊠ Manuel □ Hydraulic

# 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 characteristics 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 metal 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 prevailing wind direction

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 # 310 Section 27, 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 915-686-5794.

Sincerely,

Mike L. Mankin

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MAR 2 3 1998 CONOCO ROW&C T

Women Unit & - (

March 13, 1998

Mike Mankin Conoco INC. 10 Desta Dr. - East 430 Midland, Tx. 79705

Dear Mr. Mankin:

Enclosed please find your copy of Desert West Archaeological Services (DWAS) Clearance Report for Conoco INC'S proposed Warren Unit B-T No. 310, access road, flow line and power line in Section 27, T20S, R38E, NMPM, Lea County, New Mexico. No cultural resources were encountered during this survey; therefore, archaeological clearance is recommended for your project as presently staked. No further archaeological work should be required.

The Bureau of Land Management will review this report and make the final decision on archaeological clearance for your project.

If you have any questions, please call our office.

Sincerely,

Arita Slate

Enclosure

xc: Bureau of Land Management, Carlsbad Resource Area, Carlsbad, NM (2)

P.O. Box 645 • Carlsbad, NM 88221 • Phone (505) 887-7646 • Fax (505) 887-2264

# TITLE PAGE/ABSTRACT/ NEGATIVE SITE REPORT ROSWELL DISTRICT

.

<ul> <li>Warren Unit B-T No. 310 crossing Private Surface with Federal Minerals, well pad [1330' FSL, 1260' FEL] access road [643.7'] connecting to an existing caliche capped road, Electric line [250.5'] connecting to an existing electric line, surface flow line [4385.3'] connecting to the WUBT Separators in Section 27, T20S, R38E, NMPM, LEA County, NM.</li> <li>7. Consultant Name &amp; Address: Direct Charge: Danny Boone Name: Desert West Archaeological Services Address: P.O. Box 645, Carlsbad, NM 88220 Authors Name: David Wilcox</li> <li>9. Consultant R</li> </ul>	(s): 2-10-98, 3-7-98, 98
<ul> <li>4. The of Report (Toject This), in the section 27, T20S, R38E, NMPM, LEA</li> <li>3-9-98, 3-10-9</li> <li>3-9-98, 3-10-9</li> <li>(1330' FSL, 1260' FEL] access road [643.7'] connecting to an existing caliche capped road, Electric line [250.5'] connecting to an existing electric line, surface flow line</li> <li>[4385.3'] connecting to the WUBT Separators in Section 27, T20S, R38E, NMPM, LEA</li> <li>7. Consultant Name &amp; Address:</li> <li>Direct Charge: Danny Boone</li> <li>Name: Desert West Archaeological Services</li> <li>Address: P.O. Box 645, Carlsbad, NM 88220</li> <li>Authors Name: David Wilcox</li> </ul>	98
road, Electric line [250.5'] connecting to an existing electric line, surface flow line6. Report Date:[4385.3'] connecting to the WUBT Separators in Section 27, T20S, R38E, NMPM, LEA6. Report Date:[4385.3'] connecting to the WUBT Separators in Section 27, T20S, R38E, NMPM, LEA3-11 -98County, NM.8. Permit No.:7. Consultant Name & Address:123-2920-97-Direct Charge: Danny Boone123-2920-97-Name: Desert West Archaeological Services9. Consultant RAddress: P.O. Box 645, Carlsbad, NM 882209. Consultant RAuthors Name: David Wilcox9. Consultant R	<u></u>
7. Consultant Name & Address.       123-2920-97-         Direct Charge: Danny Boone       123-2920-97-         Name: Desert West Archaeological Services       9         Address: P.O. Box 645, Carlsbad, NM 88220       9. Consultant R         Authors Name: David Wilcox       9. Consultant R	N
Authors Name: David Wilcox 9. Consultant R	
Field personnel names: Danny Boone and Thor Dye DWAS 98- Phone (505) 887-7646	
10. Sponsor Name and Address:       11. For BLM U         Indiv. Responsible: Mike Mankin       Name: CONOCO INC.	se only.
Address: 10 Desta Dr East 430 12 ACREAGE:	
Midland, Tx. 79705 Total No. of acr	res surveyed: 15.21
Phone (915) 686-5794 Per Surface Ow	mership:
Federal: 0 State: 0	
Private: 15.2	21
- ALL FEDEI	RAL MINERALS
<ul> <li>13. Location: (Maps Attached if negative survey) Figure 1.</li> <li>a. State: NM</li> <li>b. County: LEA</li> </ul>	
c. BLM District: ROSWELL	
Resource area: CARLSBAD	
d. Nearest City or Town: EUNICE, NM	
e. Location: T20S, R38E, Sec. 27; Pad, SE/4 SE/4, NW/4 SE/4: Road, NW/4 SE/4 SE/4, SW/4 SE/4 SE/4:	
Flow Line, NW/4 SE/4 SE/4, NE/4 SW/4 SE/4, SE/4 SW/4 SE/4, SW/4 SW/4 SE/4, SE/4, SE/4 SE	'/4 SW/4, SW/4 SE/4 SW/4,
SE/4 SW/4 SW/4, SW/4 SW/4 SW/4: Power line, NW/4 SW/4 SE/4, SW/4 NW/4 SE/4:	
Well Pad Footages: 1330' FSL, 1260' FEL	102 F1
f. USGS 7.5' Map Name(s) and Code Number(s): HOBBS SE, TexN. Mex. (1969, Photo Rev. 1979) 32 HOBBS SW, NM (1969) 32103-E2	,1 <b>UJ-E</b> I
g. Area: Block; Impact : Within 400' x 400'	
Surveyed: 400' x 400'	
Road, Linear: Impact: 50' x 643.7' Surveyed: 100' x 643.7'	
Flow line Sec. Linear: Impact: 30' x 4385.3' Power line, Linear: Impact: 30' x 250.5'	
Surveyed: 100' x 4385.3' Surveyed: 100' x 250.5'	

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14. a. Records Search:
Location : BLM and ARMS by Chris Owens
Date: 3-4-98
List by LA # all sites within .25 miles of the project:
(Those sites within 500' are to shown on the project map)
b. Description of Undertaking: The proposed project is a well pad, road, flow line and electric line on PRIVATE lands with
TTER TER A Line and line on a dural plain of accessional moderate to high dunes of sugary sailu 2-5 meters in man and
deflation basins from 2-3 meters in depth up to several hundred meters in diameter but covered with vegetation. The now mile
parallels existing roads except for the first 687.2' which parallels the proposed road.
- Environmental Setting (NRCS soil designation: vegetative community; etc.)
C. Environmental Setting (1990) son designation, orgeneration, Resquite, Broom Snakeweed, Sage Brush and various Vegetation: Shin Oak, Yucca, Sunflower, Prickly Pear Cactus, Mesquite, Broom Snakeweed, Sage Brush and various
average and other flore
nncs: Berino-Cacique association: Nearly level and gently sloping, sandy soils that are deep and moderately deep to
soft or indurated caliche
d. Field Methods: straight line or zigzag transects
Transect Intervals: 15 meters or less
Crew Size: one archaeologist
Time in Field: 4.5 hrs
Collections: NA
15. Cultural Resource Findings: NA
a. Identification and description: (Location shown on Project map)
16. Management Summary (Recommendations):
Archaeological clearance for CONOCO INC.'S proposed Warren Unit B-T Well No. 310 (1330' FSL, 1260' FEL) and related
access road, power line and flow line in T20S, R38E, Section 27 NMPM, LEA County, NM is recommended as presently
I when the set of the
I certify that the information provided above is correct and accurate to the best of my knowledge and meets all appreciable
BLM standards.
A. B. QUAY
Responsible Archaeologist Namy Boone 3-11.98
· Signature / Date



HOBBS SW, NM (1969) 32103-E2

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MAR 2 3 1998 CONOCO ROW&C

March 13, 1998

Mike Mankin Conoco INC. 10 Desta Dr. - East 430 Midland, Tx. 79705

Dear Mr. Mankin:

Enclosed please find your copy of Desert West Archaeological Services (DWAS) Clearance Report for Conoco INC'S proposed Warren Unit B-T No. 310, access road, flow line and power line in Section 27, T20S, R38E, NMPM, Lea County, New Mexico. No cultural resources were encountered during this survey; therefore, archaeological clearance is recommended for your project as presently staked. No further archaeological work should be required.

**ARCHAEOLOGICAL SERV** 

The Bureau of Land Management will review this report and make the final decision on archaeological clearance for your project.

If you have any questions, please call our office.

Sincerely,

Arita Slate

Enclosure

xc: Bureau of Land Management, Carlsbad Resource Area, Carlsbad, NM (2)

P.O. Box 645 • Carlsbad, NM 88221 • Phone (505) 887-7646 • Fax (505) 887-2264

# TITLE PAGE/ABSTRACT/ NEGATIVE SITE REPORT ROSWELL DISTRICT

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LM/ RDO 1/95		DISTRICT	
1. BLM Report No.	2. (ACCEPTED)	(REJECTED)	3. NMCRIS No.: 60112
4. Title of Report (Project Title): Archaec Warren Unit B-T No. 310 crossing Privat	e Surface with Federal M	linerals, well pad	5. Project Date(s): 2-10-98, 3-7-98, 3-9-98, 3-10-98
[1330' FSL, 1260' FEL] access road [643. road, Electric line [250.5'] connecting to a [4385.3'] connecting to the WUBT Separ County, NM.	an existing electric line, su	urface flow line	6. Report Date: 3-11 -98
7. Consultant Name & Address: Direct Charge: Danny Boone Name: Desert West Archaeological Servi	ces		8. Permit No.: 123-2920-97-N
Address: P.O. Box 645, Carlsbad, NM 88 Authors Name: David Wilcox Field personnel names: Danny Boone and Phone (505) 887-7646			9. Consultant Report No. DWAS 98-14M
10. Sponsor Name and Address: Indiv. Responsible: Mike Mankin Name: CONOCO INC.			11. For BLM Use only.
Address: 10 Desta Dr East 430			12 ACREAGE:
Midland, Tx. 79705			Total No. of acres surveyed: 15.21
Phone (915) 686-5794			Per Surface Ownership:
			Federal: 0 State: 0
			Federal: 0 State: 0 Private: 15.21
<b>د</b>			State: 0
13 Location: (Mans Attached if negativ	e survey) Figure 1.		State: 0 Private: 15.21
13. Location: (Maps Attached if negativ a. State: NM	e survey) Figure 1.		State: 0 Private: 15.21
a. State: NM b. County: LEA	e survey) Figure 1.		State: 0 Private: 15.21
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a. State: NM b. County: LEA c. BLM District: ROSWELL Resource area: CARLSBAD			State: 0 Private: 15.21
a. State: NM b. County: LEA c. BLM District: ROSWELL Resource area: CARLSBAD d. Nearest City or Town: EUNICE, N	NM		State: 0 Private: 15.21
a. State: NM b. County: LEA c. BLM District: ROSWELL Resource area: CARLSBAD d. Nearest City or Town: EUNICE, N e. Location: T20S, R38E, Sec. 27; Pa	NM ad, se/4 se/4, NW/4 se/4:		State: 0 Private: 15.21
a. State: NM b. County: LEA c. BLM District: ROSWELL Resource area: CARLSBAD d. Nearest City or Town: EUNICE, N e. Location: T20S, R38E, Sec. 27; Pa Roa	NM ad, SE/4 SE/4, NW/4 SE/4: ad, NW/4 SE/4 SE/4, SW/4 SE/ ine, NW/4 SE/4 SE/4, NE/4 SW	//4 SE/4, SE/4 SW/4 SE/4, SW	State: 0 Private: 15.21
a. State: NM b. County: LEA c. BLM District: ROSWELL Resource area: CARLSBAD d. Nearest City or Town: EUNICE, N e. Location: T20S, R38E, Sec. 27; Pa Roa Flow Li Power I	VM ad, SE/4 SE/4, NW/4 SE/4: ad, NW/4 SE/4 SE/4, SW/4 SE/ ne, NW/4 SE/4 SE/4, NE/4 SW SE/4 SW/4 SW/4, SW/4 SW ine, NW/4 SW/4 SE/4, SW/4 N	//4 SE/4, SE/4 SW/4 SE/4, SW V/4 SW/4:	State: 0 Private: 15.21 ALL FEDERAL MINERALS
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a. State: NM b. County: LEA c. BLM District: ROSWELL Resource area: CARLSBAD d. Nearest City or Town: EUNICE, N e. Location: T20S, R38E, Sec. 27; Pa Roa Flow Li Power I Well Pad Footages: 1330' FSL, 12 f. USGS 7.5' Map Name(s) and Cod	NM nd, SE/4 SE/4, NW/4 SE/4: nd, NW/4 SE/4 SE/4, SW/4 SE/- ine, NW/4 SE/4 SE/4, NE/4 SW SE/4 SW/4 SW/4, SW/4 SW ine, NW/4 SW/4 SE/4, SW/4 N 260' FEL e Number(s): HOBBS SE HOBBS SV	//4 SE/4, SE/4 SW/4 SE/4, SW //4 SW/4: rW/4 SE/4:	State: 0 Private: 15.21 ALL FEDERAL MINERALS //4 SW/4 SE/4, SE/4 SE/4 SW/4, SW/4 SE/4 SW/4, Photo Rev. 1979) 32103-E1
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Crew Size: one archaeologist
Time in Field: 4.5 hrs
Collections: NA
15. Cultural Resource Findings: NA
a. Identification and description: (Location shown on Project map)
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16. Management Summary (Recommendations): Archaeological clearance for CONOCO INC.'S proposed Warren Unit B-T Well No. 310 (1330' FSL, 1260' FEL) and related
Archaeological clearance for CONOCO INC. S proposed warren on D A won to be (clearance for CONOCO INC. S proposed warren on
access road, power line and how line in 1205, KosE, Section 27 finitial, Line County, the line and how line in 1205, KosE, Section 27 finitial, Line County, the line and power and most access the section and the section of the sect
I certify that the information provided above is correct and accurate to the best of my knowledge and meets all appreciable
I certify that the information provided above is correct and decarate to the stort of a
Responsible Archaeologist Namy Boone 3-11.98
Signature / Date



Map Reference: USGS 7.5' Series, HOBBS SE, TEX.-N. MEX. (1969, Photo Rev. 1979) 32103-E1 HOBBS SW, NM (1969) 32103-E2

WILL BE RELEASED CONFIDENTIAL LOGS ABOVE DATE DOES NOT INDICATE WHEN ELF 7

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