

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 0557686X	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Conoco Inc.		7. UNIT AGREEMENT NAME SEMU	
3. ADDRESS OF OPERATOR 10 Desta Drive West, Midland, TX 79705		8. FARM OR LEASE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FNL & 2100' FWL At proposed prod. zone Tubb/Drinkard		9. WELL NO. 124	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Monument Tubb/Weir Drinkard	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drive, unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23, T-20S, R-37E	
16. NO. OF ACRES IN LEASE		12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL Tubb-80/Drinkard-40		13. STATE NM	
18. PROPOSED DEPTH 7000'		17. NO. OF ACRES ASSIGNED TO THIS WELL Tubb-80/Drinkard-40	
19. ROTARY OR CABLE TOOL Rotary		20. APPROX. DATE WORK WILL START* 5/5/91	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 3532'		22. APPROX. DATE WORK WILL START* 5/5/91	

PROPOSED CASING AND CEMENTING PROGRAM Lea County Controlled Water Basin

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	9-5/8"	36#	K-55	ST&C	1490'	1450sxs
8-3/4"	7"	26#	K-55	LT&C	7000'	3260sxs - 25e strips

This well is proposed to be drilled as a Blinebry/Drinkard dual producer.

Attachments

- 1) Well Location and Acreage Dedication Plat.
- 2) Attachment to Form 3160-3.
- 3) Proposed Well Plan Outline.
- 4) Surface Use Plan.
- 5) EXHIBIT A - New Mexico road map.
- 6) EXHIBIT B - Lease road map.
- 7) EXHIBIT B.1 - Location facility plat.
- 8) EXHIBIT C - Rig layout plat.
- 9) BOP Specifications.
- 10) H2S Drilling Operations Plan

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 Jerry M. Hoover TITLE Regulatory Coordinator DATE 1/9/91  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 4-9-91  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

**ATTACHMENT TO FORM 3160-3**  
**APPLICATION FOR PERMIT TO DRILL**

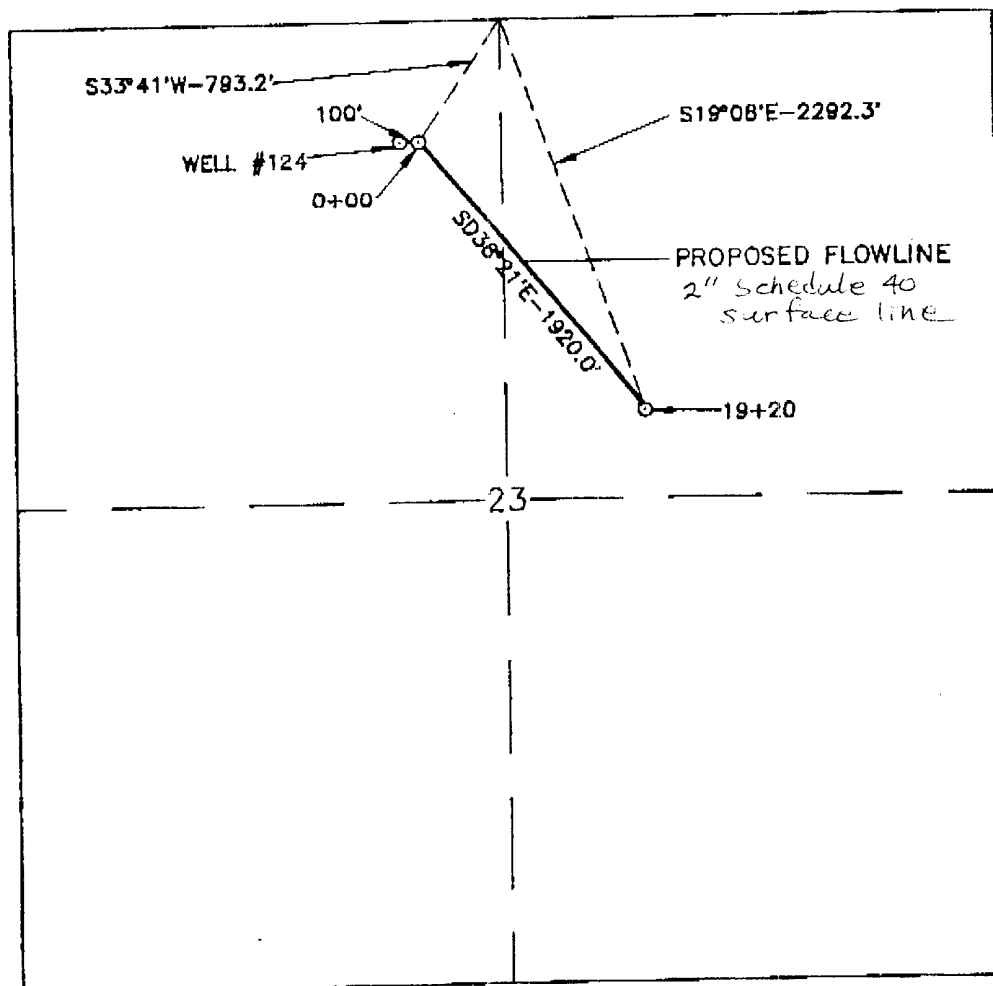
**Conoco Inc.**

**SEMU No. 124**  
**Sec. 23, T-20S, R-37E**  
**Lea County, New Mexico**

1. The estimated tops of important geologic markers are shown on the attached Proposed Well Plan Outline.
2. The estimated depths at which anticipated water, oil, gas or other mineral-bearing formations to be encountered are shown on the attached Proposed Well Plan Outline.
3. A drawing of Blowout Preventer Specifications is attached. Pipe rams and blinds will be checked to the working pressure of the stack or 70% of the minimum internal yield strength of the casing whichever is less. BOPE will be checked when casing string is set.
4. The proposed casing program is as follows:  
0-1500': 9-5/8", 36# K-55  
0-7000': 7", 26# K-55
5. The proposed mud program is as follows:  
0-1500': 8.4-8.6# Fresh Water  
1500'-5800': 10.0# Brine  
5800'-7000': 10.0# Salt Gel/Starch
6. Run open-hole logs from 2500'-7000'. The log suite will include the following:  
1) GR-CAL-DLL-MSFL, 2) GR-CAL-FDC-CNL-PE. A temperature survey will be run to determine the top of cement on each casing string where cement is not circulated.
7. Special Drilling Problems:
  - a) Possible hole enlargement & sloughing, 0'-4500'
  - b) Possible lost circulation 4500'-TD.
  - c) H<sub>2</sub>S trailer on location at 1600'.
8. The anticipated starting date is 5-5-91 with a duration of approximately 22 days.



# SECTION 23, TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M., LEA COUNTY NEW MEXICO



I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE AND THE ABOVE SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*John W. West*  
JOHN W. WEST, N.M. P.E. & P.S. No. 676  
TEXAS P.L.S. No. 1138  
GARY L. JONES N.M. P.S. No. 7977  
GARY G. EIDSON TEXAS P.L.S. No. 4735

# 124 FLOW LINE

CONOCO, INC

A PROPOSED FLOWLINE CROSSING SECTION 23,  
TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO.

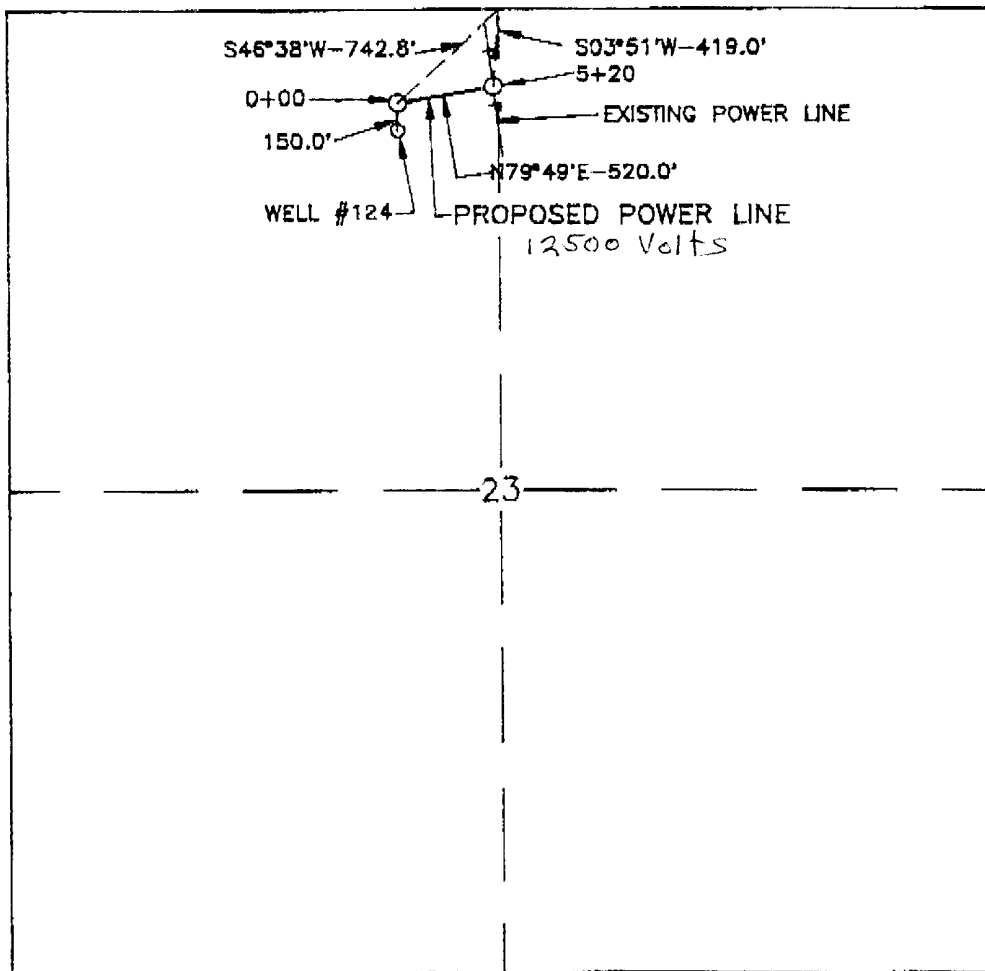
JOHN W. WEST ENGINEERING COMPANY  
CONSULTING ENGINEERS & SURVEYORS -- HOBBS, NEW MEXICO

Survey Date: 12/26/90	Drawn By: PRESLEY
Approved By:	Sheet 1 of 2 Sheets
Project Number:	File Name:
Date: 2/14/91	Scale: 1"=1000'

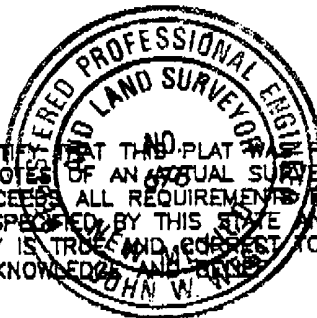
## SECTION 23, TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M.,

LEA COUNTY

NEW MEXICO



I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE AND THE ABOVE SURVEY IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



JOHN W. WEST, N.M. P.E. & P.S. No. 676  
 GARY L. JONES N.M. P.S. No. 7977  
 GARY G. EIDSON TEXAS P.L.S. No. 4735

# 124 POWER LINE

## CONOCO, INC

A PROPOSED POWER LINE CROSSING SECTION 23, TOWNSHIP 20 SOUTH, RANGE 37 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO.

JOHN W. WEST ENGINEERING COMPANY  
 CONSULTING ENGINEERS & SURVEYORS - HOBBS, NEW MEXICO

Survey Date: 12/26/90	Drawn By: PRESLEY
Approved By: <i>GJ</i>	Sheet 1 of 2 Sheets
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## BOP SPECIFICATIONS

