

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DEEPEEN, OR PLUG BACK

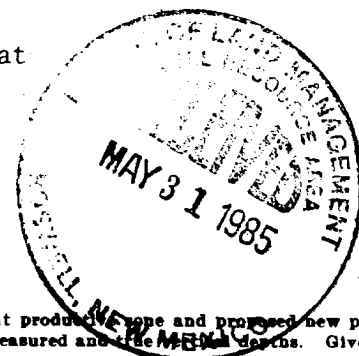
1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM-57516	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR The Eastland Oil Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Drawer 3488, Midland, Texas 79702		8. FARM OR LEASE NAME Smith Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1653' FNL, 2310' FEL (SW/4NE/4) At proposed prod. zone (Unit "G")		9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 8 miles East from Hagerman, N.M.		10. FIELD AND POOL, OR WILDCAT Wildcat - <i>Quinn</i>	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 22, T14S, R27E N.M.P.M.	
16. NO. OF ACRES IN LEASE 1678		12. COUNTY OR PARISH Chaves	
17. NO. OF ACRES ASSIGNED TO THIS WELL 40		13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. only well		19. PROPOSED DEPTH 800' (Queen)	
20. ROTARY OR CABLE TOOLS Cable Tools		21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3444' GR	
22. APPROX. DATE WORK WILL START* June 3, 1985		23. PROPOSED CASING AND CEMENTING PROGRAM	

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12"	10 3/4"	40.5#	100'	100 sx Class C to circulate
8"	7"	23 3/4#	750'	150 sx Class C to circulate

an additional string of 8 5/8" casing will be set into 7 Rivers at approximately 250' if needed to shut off water.

Completion will be open hole below 7" casing seat and formation stimulated as needed for optimum production.

Attached are: 1. Well Location and Acreage Dedication Plat  
2. Supplemental Drilling Data  
3. Surface Use Plan



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

24. SIGNED George D. Neal TITLE Vice Pres.-Production DATE 5/27/85  
(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
S/Homer Meyer, Acting Area Manager  
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 6-5-85  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-112  
Supersedes O-128  
Effective 10-65

All distances must be from the outer boundaries of the Section

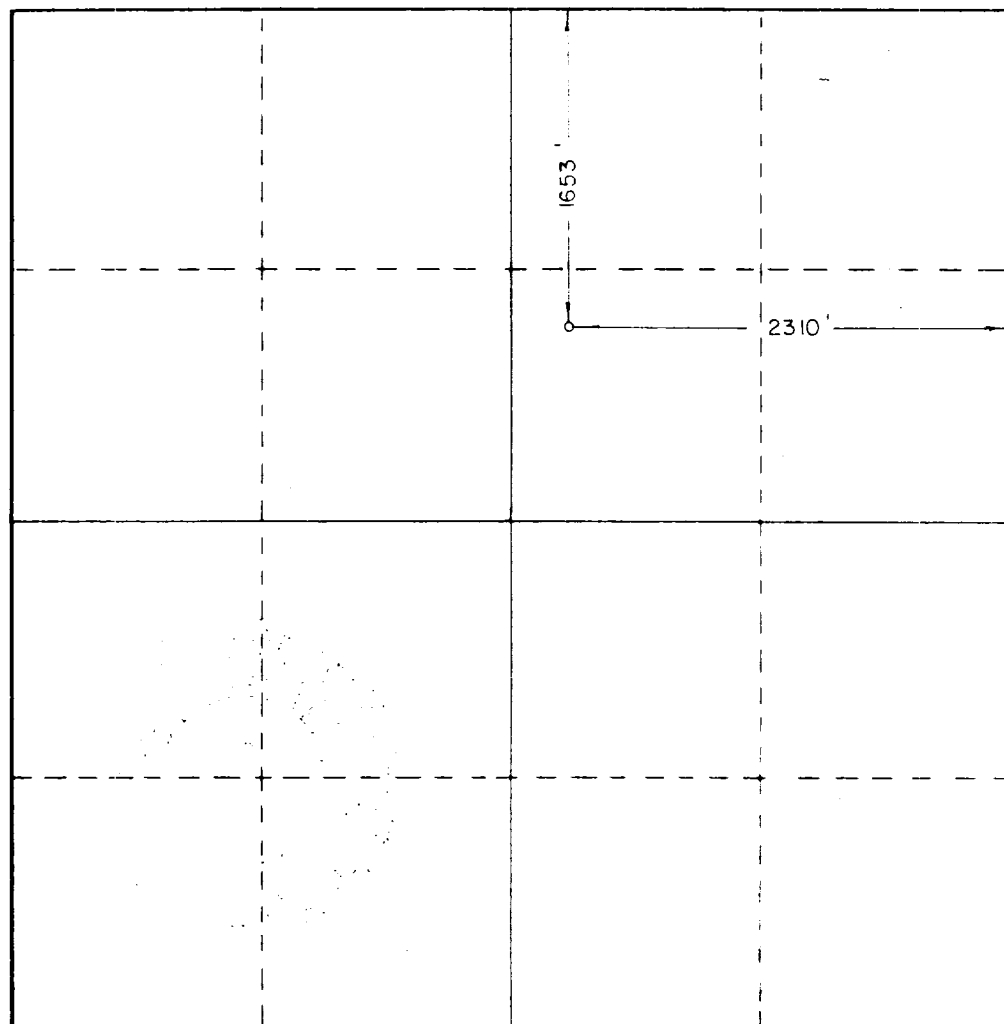
Lessor The Eastland Oil Company			Lessee Smith Federal		Well No. 1
Tract Letter G	Section 22	Township 14 South	Range 27 East	County Chaves County	
Actual Footage Location of Well: 1653 feet from the North line and 2310 feet from the East line					
Ground Level Elev. 3444.0	Producing Formation Queen		Pool Wildcat	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks 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).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name  
George D. Neal  
Position  
Vice Pres-Production  
Company  
The Eastland Oil Co.  
Date  
May 29, 1985

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
May 21, 1985  
Registered Professional Engineer  
and/or Land Surveyor

Certificate No. JOHN W. WEST, 676  
RONALD J. EIDSON, 3239

SUPPLEMENTAL DRILLING DATA

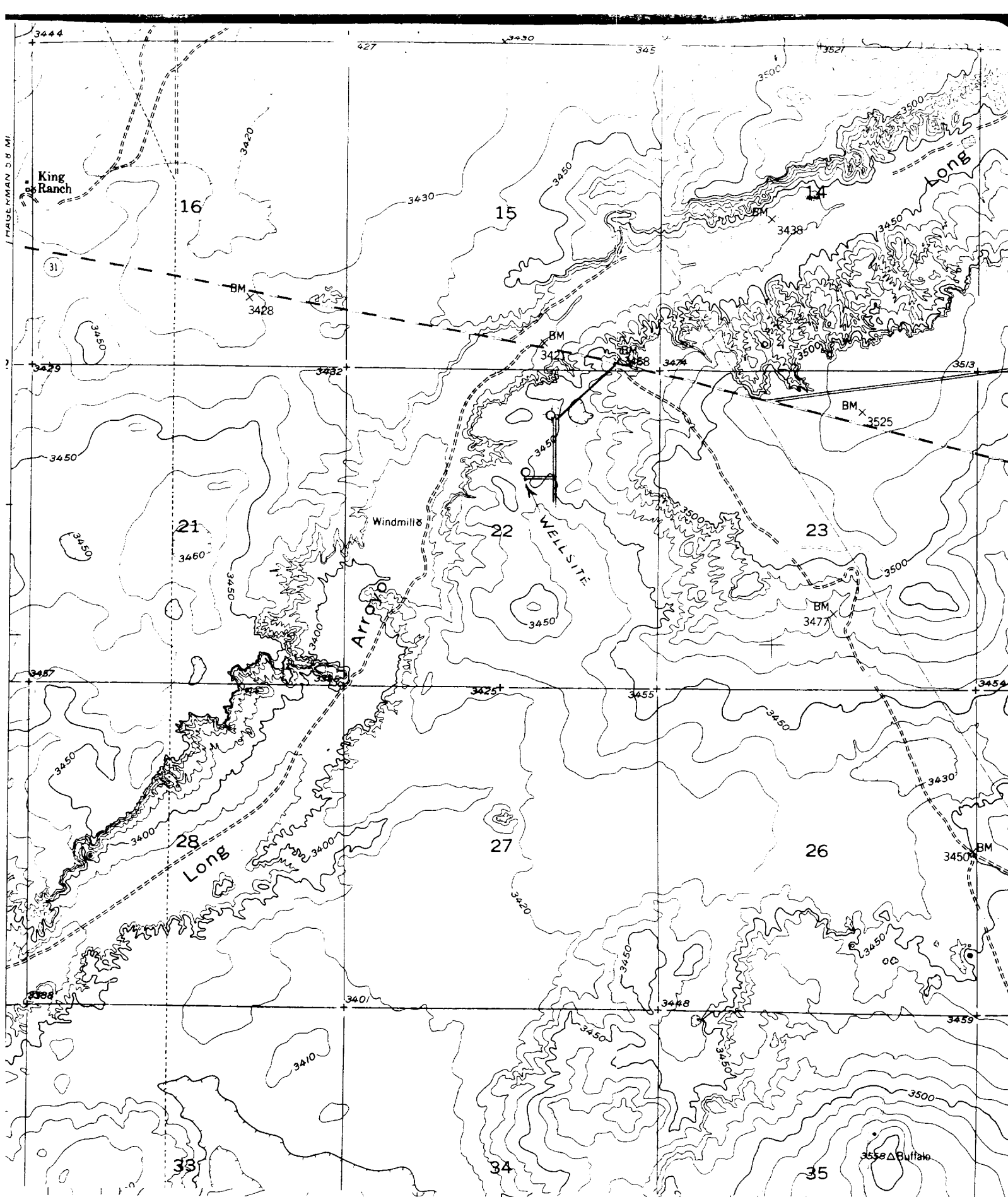
THE EASTLAND OIL COMPANY  
SMITH FEDERAL WELL #1  
SW/4 NE/4 SEC. 22-14S-27E  
CHAVES COUNTY, NEW MEXICO

1. SURFACE FORMATION: Sandy soils of Quaternary Age.
2. ESTIMATED TOPS OF GEOLOGIC MARKERS (3444' G.L. Elevation):

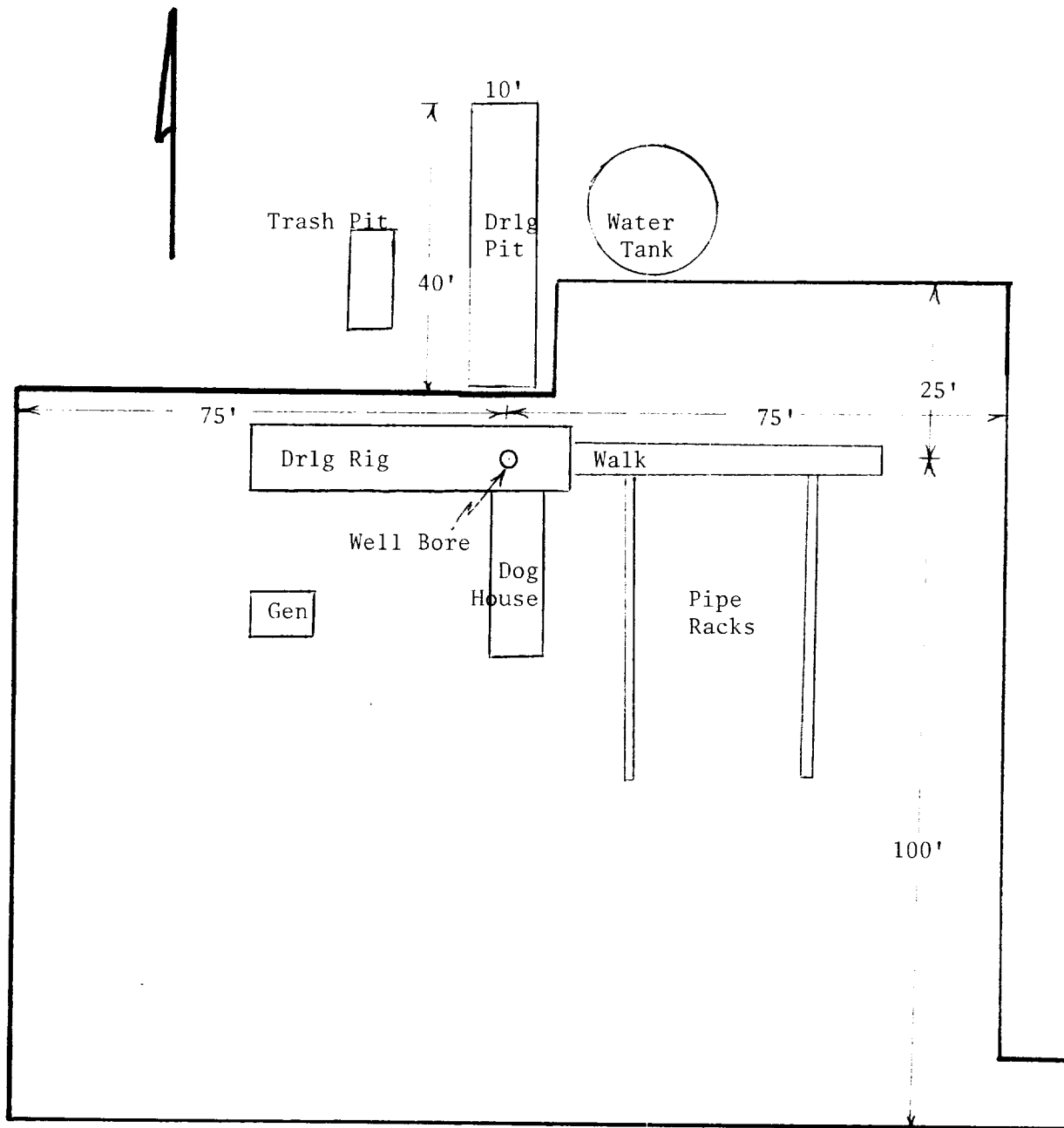
Seven Rivers	230'
Queen	700'
3. ANTICIPATED POROSITY ZONES:

Water:	Above 100'
Oil:	Queen
4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
10 3/4"	0 - 100'	40.5#	H-40	STC
7"	0 - 700'	23.0#	J-55	STC
5. PRESSURE CONTROL EQUIPMENT: 7" - 1000 psi WP Control Head while drilling in.
6. CIRCULATING MEDIUM: None. Casing and cement used to control water entry.
7. AUXILIARY EQUIPMENT: Flow line from control head to pit where needed.
8. TESTING, LOGGING AND CORING PROGRAMS: Correlation Gamma Ray Log run at total depth. Bailer test all shows of oil and water.
9. ABNORMAL PRESSURES, TEMPERATURES OR GAS: None anticipated.
10. ANTICIPATED STARTING DATE: It is planned that operations will commence about June 5, 1985. Duration of drilling, testing, and completion operations should be about two weeks.



SUP Exhibit "B"  
 DERRICK DRAW TOPO MAP  
 The Eastland Oil Company  
 Smith Federal Well No. 1  
 SW/4NE/4 Sec. 22-14S-27E



SUP Exhibit "D"  
 SKETCH OF WELL PAD  
 The Eastland Oil Company  
 Smith Federal Well No. 1  
 SW/4NE/4 Sec. 22-14S-27E