form 3160-5 fovember 1983)	UNITED STATES	SURMIT IN TRIPLICATE	Budget Bureau	i No. 1004_0135
Tormerly 9-331) DEPART	MENT OF THE INTER	RIOR verse alde)	Expires Augus 5. LEASE DESIGNATIO	N AND BREIAL NO.
BURE	AU OF LAND MANAGEMEN	IT	NM 70335	
SUNDRY NO (Do not use thin form for prop. Use "APPLIC	TICES AND REPORTS onals to drill or to deepen or plug CATION FOR PERMIT—" for such	ON WELLS back to a different reservoir. proposals.)	6. IF INDIAN, ALLOTT	SEEN SEIST SO SI
01L G3 G48 G			7. UNIT AGREEMENT N	IAME
WELL OTHER 2. NAME OF OPERATOR		RECEIVED		
PHILLIPS PETROL	EUM COMPANY		8. FARM OR LEASE NA	
3. ADDRESS OF OPERATOR		DEC 20 '90	Livingston R	iage Fea
4. LOCATION OF WELL (Report location	t. Odessa, Texas 7	9762	2	
See also space 17 below.) At surface	crearry and to accordance with any	O. C. D.	10. FIRLD AND POOL,	-
Unit L, 1200' FWL &	2240' FSI	ARTESIA, OFFICE	Cabin Lake (Delaware)
BHL: 660' FWL & 19			SURVEY OR ARE	A
14. PERMIT NO.	15. ELEVATIONS (Show whether D	manager to the same of the sam	Sec. 1, T-2	•
30-015-26436	3316' GL Unprepa		12. COUNTY OR PARIS	B 18. STATE
16. Charle A				1 101
NOTICE OF INTE		Nature of Notice, Report, or (
	PULL OR ALTER CASING	BUBBEQ	UBNT REPORT OF:	
	MULTIPLE COMPLETE	WATER SHUT-OFF FRACTURE TREATMENT	REPAIRING	<u> </u>
<u> </u>	ABANDON*	SHOOTING OR ACIDIZING	ALTERING (
REPAIR WELL	CHANGE PLANS XX	(Other)		
(Other) 17. DESCRIBE PROPOSED OR COMPLETED OF proposed work. If well is directinent to this work.)			of multiple completion letion Report and Log fo	
Amend total depth to Change casing and ce	7700' - Cabin Lake	(Delaware)Field		•
			Property of the second	Dec 13 10 59 AH
8. I hereby certify that the foregoing is SIGNEL,	Sus TITLE Regu	rvisor, lation & Proration	DATE 12/12	/ 90
APPROVED BY	TITLE		DATE 12/18	3/90
CONDITIONS OF APPROVAL, IF A	NI:			

SECTION II SURFACE HOLE: 475'+ RKB; 17-1/2" Bit

Mud: Fresh Water/Native Mud - See attached Mud Program for details.

Casing: 13 3/8", 48 1b/ft, H-40, ST&C

PPCo. Allowables

Burst, psi 1620 Collapse, psi 690 Tension, K 1bs 215

Make-up Torque, ft-1bs:

Optimum 3220 Minimum 2420 Maximum 4030

C. Cement: Circulate to surface with 800 sacks of Class "C" + 2% CaCl2.

Slurry Weight: Slurry Yield:

14.8 ppg $1.32 \text{ ft}^3/\text{sx}$ 6.3 gals/sx

Water Requirement:

D. Notes:

Surface casing must be cemented to surface. 1.

Sandblast bottom 3 jts. and tack weld collars. Use thread lock compound on bottom 2 jts. when run. 2.

3.

Run centralizers on shoe jt and every other jt. to surface. Install 13 3/8" slip on, weld btm X 13 5/8" - 3000 psi BHF top 4. wellhead.

5. NU PPCo. Figure 7-9 alt. 2 or Figure 7-10, 3000 psi BOP.

WOC 24 hrs. Drill plug (but not shoe) and test casing to 600 psi for 6. 30 minutes.

RU "Low Risk" H₂S equipment (100 ppm ROE < 3000') before drilling 7. ahead.