Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY						D. LEASE DESIGNATION AND SERIAL NO.	
						LC-064118	
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK						6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
D. TYPE OF WELL	RILL 🗌	DEEPEN		PLUG BA	CK 🗵	7. UNIT AGREEMENT NAME	
WELL,	GAS WELL OTHER			INGLE X MULTI	PLR	S. FARM OR LEASE NAME	
2. NAME OF OPERATOR						E.C. Hill "D" Federal	
Arch Petroleum Inc.						9. WELL NO.	
······································						3	
10 Desta Drive, Suite 420 E., Midland, TX 79705 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)						10. FIELD AND POOL, OR WILDCAT	
are withing						Teague Devonian	
990 FNL & 660 FWL Section 35, T23S, R37E At proposed prod. zone						11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 35, T-23-S, R-37-	
14. DISTANCE IN MILES	AND DIRECTION FROM NEA	REST TOWN OR POS	T OFFIC	E*		12. COUNTY OR PARISH 18. STATE	
12 miles North of Jal							
15. DISTANCE FROM PROPUSED* LOCATION TO NEAREST			16. NO. OF ACRES IN LEASE 17. NO.			Lea New Mexico	
(Also to nearest drig. unit line, if any)			480		то т	TO THIS WELL 40	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED,			19. PROPOSED DEPTH		20. ROTA	20. ROTARY OR CABLE TOOLS	
OR APPLIED FOR, ON THIS LEASE, FT. 990 7304							
21. ELEVATIONS (Show wh	nether DF, RT, GR, etc.)		-		<u>'</u>	22. APPROX. DATE WORK WILL START	
3250 GR						As soon as approved	
23.	1	PROPOSED CASIN	IG ANI	CEMENTING PROGR.	AM		
SIZE OF HOLE SIZE OF CASING WEIGHT PER FOOT SETTING DEPTH					QUANTITY OF CEMENT		
17 1/2	13 3/8	48		302	300 s	x - circulated	
12 1/4	9 5/8	32 & 36		2904		sx - TOC 50' F.S.	
8 5/8	7	23 & 26		7304		x - TOC 4400' F.S.	
Plan to pl Test casin	oducing interva uneconomic to ug back using 7 g and plug to 5 . Frac zone wi	pump. " CIBP set 00 psi. Pe	at 7: rfora	180' and dump 3 ate Blinebry fo	15' ceme	ent on top of CIRD	
3310 3700	. Trac zone wr	ch cos and	sana.	•		AC AF	
						(T) = 20	
						RECEIV	
preventer program, if an	arm or accept directiona	proposal is to deep lly, give pertinent	en or pi data o	lug back, give data on pr n subsurface locations an	esent produ d measured	and true vertical depths. Give blowout	
SIGNED / A	unt Will	, TITI	.E	Operations Ma	nager	DATE April 23, 1990	
(This space for Fede	ral or State office use)						
PERMIT NO.	iko sugaran ayin dinan Sela	meh	_	APPROVAL DATE	-		
APPROVED BY			P	, rep osition to the first of the first		5-1-90	
CONDITIONS OF APPROV	AL, IF ANY :	TITE	. E			DATE	