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5A. Indicate Type of Lease
STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.
LG-1546

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work	DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>	7. Unit Agreement Name
b. Type of Well	OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>	8. Farm or Lease Name
2. Name of Operator	Amoco Production Company	State MX
3. Address of Operator	P. O. Box 68, Hobbs, New Mexico 88240	9. Well No.
4. Location of Well	UNIT LETTER D LOCATED 660 FEET FROM THE North LINE AND 710 FEET FROM THE West LINE OF SEC. 15 TWP. 19-S RGE. 35-E NMPM	10. Field and Pool, or Wildcat
		Scharb Bone Springs
		INDICATED
		12. County
		Lea
11. Elevations (show whether DT, KI, etc.)	21A. Kind & Status Plug. Bond	19. Proposed Depth
3783.3' GL	blanket-on-file	10395'
	21B. Drilling Contractor	19A. Formation
	N/A	Bone Springs
		20. Rotary or C.T.
		rotary
		22. Approx. Date Work will start

23.

## PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	61#, 54#	465'	650	circulated
11"	8-5/8"	24, 28, 32#	4169'	1750'	circulated
7-7/8"	5-1/2"	17, 15.5#	10750'	925'	6290'

Propose to recompleate to Bone Springs and fracture stimulate well as follows:

Kill well 2% KCL fresh water. Release anchor set at 10399' and POH with tubing. RIH with CIBP, set at 10430', and cap with 35' class C neat cement. WOC, run tubing and packer, set packer at 10200' and test CIBP to 3000 psi. POH. Load hole with 2% KCL fresh water and perf 9462'-9472' w/12 SPF. RIH with treating packer and tubing, set packer at 9250'. Acidize with 1500 gals of 15% NEFE HCL acid. Flush acid to perms with 60 bbls of clean brine. Swab back spent acid. Load tubing with 2% KCL fresh water. Frac down tubing with 33000 gals of total fluid (22000 gals of 40# x-linked gelled 2% KCL fresh water w/add and 11000 gals of CO2) Fluid to contain 51500 lbs of 20/40 intermediate strength proppant. Flush with 1484 gals of non x-linked 2% KCL fresh water and 742 gals of CO2. Shut in well for apx 2-1/2 hrs to allow frac to close. Flow back and recover load, swab if necessary, and evaluate production. Release packer and pull tubing. RIH with tubing, rods, and pump. Land seating nipple at ±9485 and set tubing anchor at 9300'. Return well to production.

0+6-NMOCD, H 1-J. R. Barnett, HOU Rm. 21.156 1-F. J. Nash, HOU Rm. 4.206 1-GCC

N ABOVE SPACE DESCRIBE PROPOSED PROGRAM; IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Mary C. Clark Title Assist. Admin. Analyst Date 7-12-84

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT SUPERVISOR TITLE  DATE 

CONDITIONS OF APPROVAL, IF ANY:

JUL 16 1984

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JUL 13 1984

O.C.D.  
HOBBY OFFICE