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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-85

30-025-27291

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
B-4109	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		8. Farm or Lease Name Hover State	
2. Name of Operator Arrowhead Oil Corporation		9. Well No. #2	
3. Address of Operator P. O. Box 548, Artesia, New Mexico 88210		10. Field and Pool, or Wildcat Maljamar	
4. Location of Well UNIT LETTER D LOCATED 990' FEET FROM THE North LINE AND 330' FEET FROM THE West LINE OF SEC. 32 TWP. 17-S RGE. 32-E NMPM		12. County Lea	
21. Elevations (Show whether DF, RT, etc.) 3885' GL		19. Proposed Depth 4250'	19A. Formation Grayburg/S. Andres
21A. Kind & Status Plug. Bond Blanket	21B. Drilling Contractor WEK Drilling Co.	20. Rotary or C.T. Rotary	
		22. Approx. Date Work will start Approx. March 16, 1981	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	900'	200 Sks.	Circulate
7 7/8"	4 1/2"	10.5#	4250'	425 Sks.	2350'

We propose to drill to approximately 900' and run 8 5/8" casing. Circulate the cement and wait 18 hours.

Drill on to approximately 4200' and run 4 1/2" casing. Cement with 425 sacks Class C 50/50 poz cement, up to the base of the salt.

A 10" 900 Series Shaffer Type F 3000# blowout preventer will be used in drilling this well.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 8/25/81
UNLESS DRILLING UNDERWAY

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed [Signature] Title Secretary Date February 23, 1981
(This space for State Use)

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT I DATE 2/23/81
CONDITIONS OF APPROVAL, IF ANY: