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U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> Reentry <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name Toni
2. Name of Operator Arrowhead Oil Corp.		9. Well No. 1
3. Address of Operator P. O. Box 548, Artesia, New Mexico 88210		10. Field and Pool, or Wildcat Wildcat
4. Location of Well UNIT LETTER <u>H</u> LOCATED <u>1980'</u> FEET FROM THE <u>North</u> LINE AND <u>660'</u> FEET FROM THE <u>East</u> LINE OF SEC. <u>22</u> TWP. <u>19-S</u> RGE. <u>38-E</u> NMPM		12. County Lea
19. Proposed Depth 3500'		19A. Formation Bowers Sand
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 3614' K.B.	21A. Kind & Status Plug. Bond Blanket Statewide/ active	21B. Drilling Contractor Mack Chase, Inc.
22. Approx. Date Work will start: 12-1-86		

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
26"	20"	50#	30'	Redimix	Surface
17-1/2"	13-3/8"	40#	358'	375 sacks	Surface
12-1/4"	8-5/8"	24#	3236'	1150 sacks	

Reentry Procedure:

- 1.) Move in and rig up workover equipment.
- 2.) Drill out top surface plug.
- 3.) Nipple up BOP stack on 8-5/8" casing.
- 4.) Drill out cement plugs (inside) 8-5/8" casing to a depth of 3500'.
- 5.) Clean hole and spot acid across interval to perforate.
- 6.) Perforate Bowers Sand, swab and or flow test.
- 7.) Re-treat if necessary.
- 8.) Produce or Plug and Abandon.

Permit Expires 6 Months From Approval
Date Unless Drilling Underway.

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.

Jerry Sexton Title Production Clerk Date 11-17-86

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON
APPROVED BY DISTRICT SUPERVISOR TITLE _____ DATE NOV 19 1986

CONDITIONS OF APPROVAL, IF ANY:

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NOV 18 1986
C. C. F.
HOBBS OFFICE