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# NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101  
Revised 1-1-65

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

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

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well DRILL <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> 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 Wingerd	
2. Name of Operator Amoco Production Company		9. Well No. 2	
3. Address of Operator P. O. Box 68, Hobbs, New Mexico 88240		10. Field and Pool, or Wildcat Gladiola, Mississippian	
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>24</u> TWP. <u>12-S</u> RGE. <u>37-E</u> NMPM		12. County Lea	
19. Proposed Depth		19A. Formation Mississippian	20. Notary or C.T.
21. Elevations (Show whether DL, RT, etc.) 3875' GL	21A. Kind & Status Plug. Bond Blanket on file	21B. Drilling Contractor	22. Approx. Date Work will start

## 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"	36#	334'	500 sx	Surface
12-1/4"	9-5/8"	36#, 40#	4674'	625 sx	1760'
8-3/4"	7"	29#, 26#, 23#	11855'	935 sx	7090'

Propose to abandon subject well in Devonian formation and recompleate to Mississippian following casing leak repairs as follows:

Rig up service unit and release packer set at 7246' and pull out of hole. Run in hole with cast iron bridge plug (for 7" casing) on wireline and set at 11725'. Cap CIBP with 35' of class "C" neat cement, 6 sx required using dump bailer. RIH with packer and 2-7/8" tubing. Set packer at 6,500' and pressure tubing to 1000 psi.

A) If 7" casing below 6500' does not hole pressure release packer and drop down in 500' increments to isolate location of leak. Continue drop down procedure until 7" casing holds pressure below packer. Then pull-up in 100' increments until casing fails. B) If 7" casing below 6500' holds pressure, release packer and pull-up in 500' increments. Pressure tubing to 1000 psi each time until 7" casing fails to hold pressure below packer. After failing drop down in 100' increments until casing below packer holds. Then pull-up 100' and set pack Open both 9-5/8" and 13-3/8" Bradenheads and attempt to circulate brine behind 7" casing. ---

O+S-NMOCD, H 1-HOU 1-W. Stafford, HOU 1-CMH

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 Charles M. Derry Title Asst. Admin. Analyst Date 2-23-83

(This space for State Use)

ORIGINAL SIGNED BY JERRY SEXTON

APPROVED BY DISTRICT 1 SUPERVISOR TITLE

CONDITIONS OF APPROVAL, IF ANY:

DATE FEB 25 1983

Once circulation is established, tag brine with dye and displace volume behind 7" casing. Note any fluid displacement from the 9-5/8"-13-3/8" annulus. Pull out of hole and run in with 7" cement retainer and 2-7/8" tubing. Set cement retainer at same depth packer was set at above. Circulate behind 7" casing 1300 sx class "H" cement with .5% Halad-9 additive. After circulating cement slowly close 9-5/8" head and squeeze remaining cement. Squeeze at a maximum pressure of 500 psi. (Note: Number of sx is approximated, more accurate number will be given following volume survey.) Sting out of cement retainer and reverse out excess cement. Pull out of hole and WOC. Drill out cement retainer and cement. Drill to PBTD ±11690'. Pull-up and spot 7 bbl of clean brine across the interval 11250'-11070'. POOH and pressure test casing to 500 psi for 30 min. Run Gamma Ray/Collar Locator Log across the interval 11690'-9690'. Perforate the Mississippian intervals 11142'-11152', 11158'-11168', and 11192'-11222' with 4 JSPF utilizing a centralized 4" Hollow Carrier casing gun. Perforate at 90° or 120° phasing. RIH with retrievable bridge plug, treating packer, and 2-7/8" tubing. Set RBP at 11240'. With packer swinging, load tubing with 2500 gals of 15% NEFE acid. Pull up and set packer at 11175'. Acid to contain: 1-1/2 gal NE/1000 gal acid and 5 gal FE/1000 gal acid. Flush acid to perforations with 66 bbls of clean brine. Release packer and RBP. Pull-up and set RBP at 11180'. With packer swinging load tubing with 1600 gals of 15% NEFE acid. Pull-up and set packer at 11130'. (Acid contents same as above.) Flush to perforations with 65 bbl of clean brine. Release packer and RBP. Drop down to 11250' and set RBP at 11250'. Pull up and set packer at 11130'. Swab back load and evaluate well.

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