

API # 30-221-20046

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-655A. 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 ☒ DEEPEN ☐ PLUG BACK ☐		7. Unit Agreement Name	
b. Type of Well OIL WELL ☐ GAS WELL ☒ CO2 ☐ OTHER ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐		8. Name of Lease Name Heimann	
2. Name of Operator Amoco Production Company		9. Well No. 4	
3. Address of Operator P.O. Drawer "A", Levelland, Texas 79336		10. Field and Pool, or Wildcat Und. Tubb	
4. Location of Well UNIT LETTER <u>K</u> LOCATED <u>1980</u> FEET FROM THE <u>South</u> LINE AND <u>1980</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>34</u> TWP. <u>20-N</u> RGE. <u>33-E</u> NMPM		12. County Harding	
19. Proposed Depth 3640'		19A. Formation Tubb	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 4893.7 GR	
21A. Kind & Status Plug. Bond Blanket-On File		21B. Drilling Contractor N/A	
22. Approx. Date Work will start April 20, 1979			

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#	350'	Circ to Surf	Surface
7 7/8"	4 1/2"	9.5#	2340'	Tie back to 8 5/8"	Btm of 8 5/8"

After drilling well, logs will be run and evaluation made. Perforating and/or stimulating as necessary in attempting commercial production.

Mud Program: 0 - 350' Native mud and water.
350' - 2640' Commercial mud to maintain good hole conditions.

APPROVAL VALID FOR 90 DAYS
PERMIT EXPIRES 7-11-79
UNLESS DRILLING UNDERWAY

BOP program is attached.

Gas is not dedicated.

BE CONSERVATION COMMISSION TO BE NOTIFIED
WITHIN 24 HOURS OF BEGINNING OPERATIONS

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 Randy Atkins Title Administrative Analyst Date April 6, 1979
(This space for State Use)

APPROVED BY Carl Wingo TITLE Commissioner DATE 4/12/79
CONDITIONS OF APPROVAL, IF ANY:

0+5-NMOCD,SF 1-Susp 1-JA
1-Houston 1-RWA

COLLECT AND SACK SAMPLES FOR
NEW MEXICO BUREAU OF MINES, SOCORRO
AT AT LEAST TEN FOOT INTERVALS

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-128
Supersedes O-128
1-1-76

All dedications must be from the owner or owner's agent.

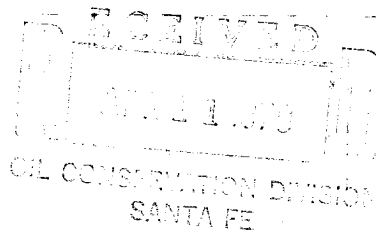
Amoco Production Co.		Heimann		4
K	34	20 North	33 East	Harding
1980	South	1980	West	
4893.7	TUBB	UND. HARDING TUBB	160	

1. Outline the acreage dedicated to the subject well by colored lines or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof both as to working interest and royalty.
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, forced-pooling, etc.

Yes ☐ No ☐ If answer is "yes," type of consolidation _____

If answer is "no," list the owners and tract descriptions which have actually been consolidated (on reverse side of this form if necessary): _____

No allotment will be assigned to the well until all interests have been consolidated by communitization, unitization, forced-pooling, or otherwise for unit or non-standard unit, eliminating such interests, has been approved by the Commission.



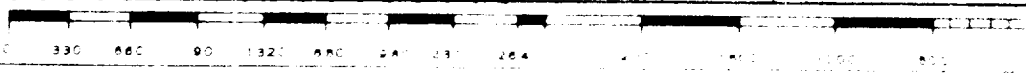
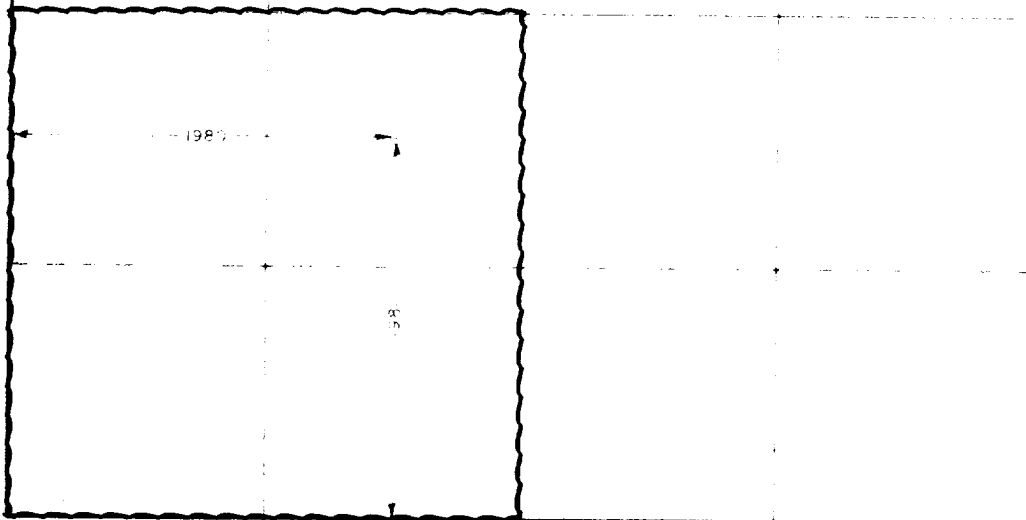
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Randy Atkins
ADMIN. ANALYST
Amaco Production Co.
3-28-79

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

March 25, 1979

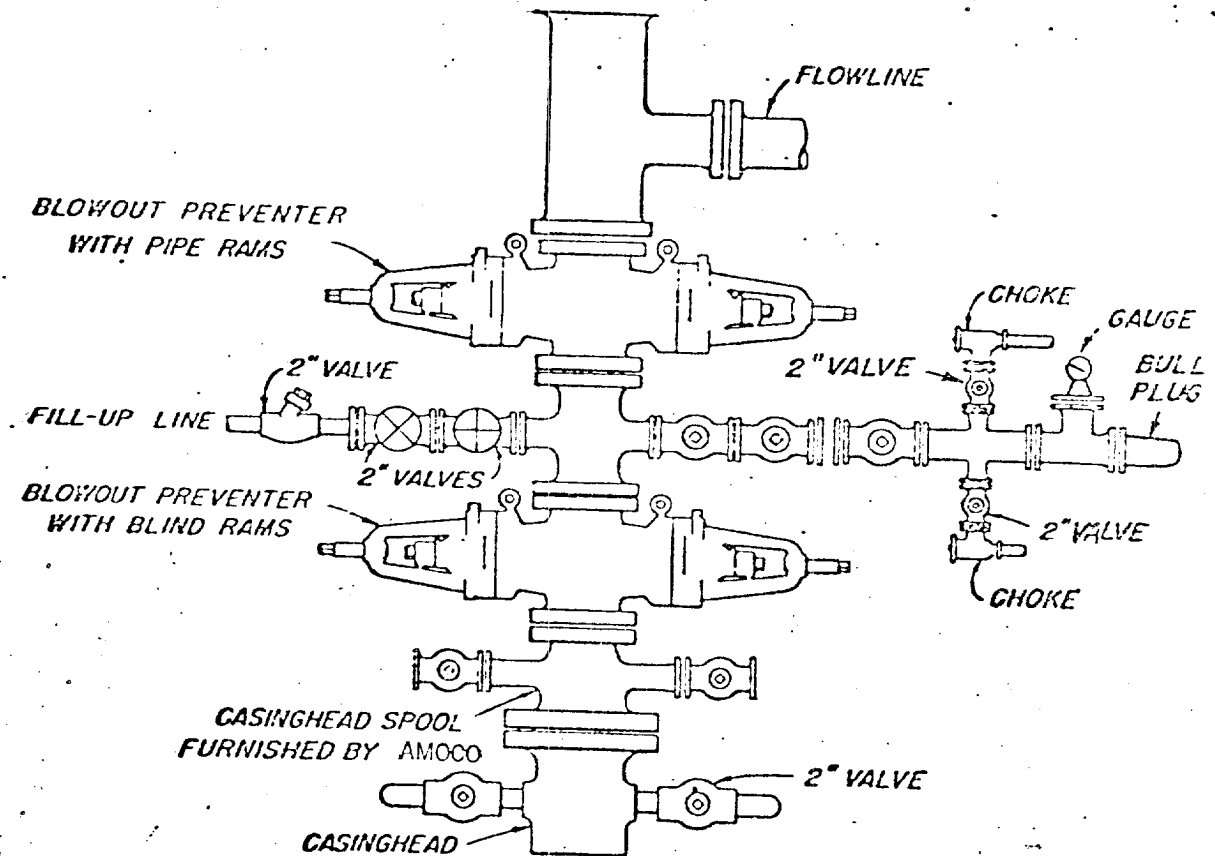
John W. West
Certified by John W. West 676
Ronald J. Edson 3239



ATTACHMENT "B"
NOTES

1. Blow-out preventers and master valve to be fluid operated and oil fittings must be in good condition, 3,000# W.P. (6,000 p.s.i. test), minimum.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above blow-out preventer shall be same size as casing being drilled through.
4. Kelly cock required, 3,000# W.P. (6,000 p.s.i. test) minimum.
5. OMSCO or comparable safety valve must be available on rig floor at all times with proper connection or sub, 3,000# W.P. (6,000 p.s.i. test), minimum.
6. Blow-out preventers and master valve while drilling intermediate hole to 6000' may be 2,000# W.P. (4,000 p.s.i. test), minimum.
7. Choke assembly, beyond second valve from cross, may be positioned (Optional) outside of derrick foundation.
8. Spool or cross may be eliminated if connections are available in the lower part of the blow-out preventer body.
9. Plug valves - gate valves are optional. Valves shown as 2" are minimum size.
10. Casing head and casing head spool, including attached valves, to be furnished by Amoco.
11. Rams in preventers will be installed as follows:

When drilling, use:	When running casing, use:
Top Preventer - Drill pipe rams	Top Preventer - Casing rams
Bottom Preventer - Blind rams or master valve	Bottom Preventer - Blind rams or master valve



BLOWOUT PREVENTER HOOK-UP
AMOCO PRODUCTION COMPANY

EXHIBIT D-1 MODIFIED

JUNE 1, 1962