

API # 30-021-20046

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

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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
b. Type of Well DRILL DEEPEN PLUG BACK
OIL WELL GAS WELL CO2 OTHER SINGLE ZONE MULTIPLE ZONE

2. Name of Operator
Amoco Production Company

3. Address of Operator
P.O. Drawer "A", Levelland, Texas 79336

4. Location of Well UNIT LETTER K LOCATED 1980 FEET FROM THE South LINE
AND 1980 FEET FROM THE West LINE OF SEC. 34 TWP. 20-N RGE. 33-E NMPM

7. Unit Agreement Name
8. Name of Lease Name
Heimann
9. Well No.
4
10. Field and Pool, or Wildcat
Und. Tubb
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 Assistant Commissioner DATE 4/12/79

CONDITIONS OF APPROVAL, IF ANY:

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

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

NEW MEXICO OIL CONSERVATION COMMISSION
 WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes O-128
 12/17/76

All dedications must be from the owner or holder of the Section

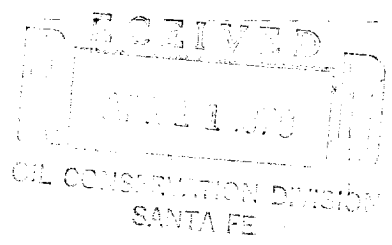
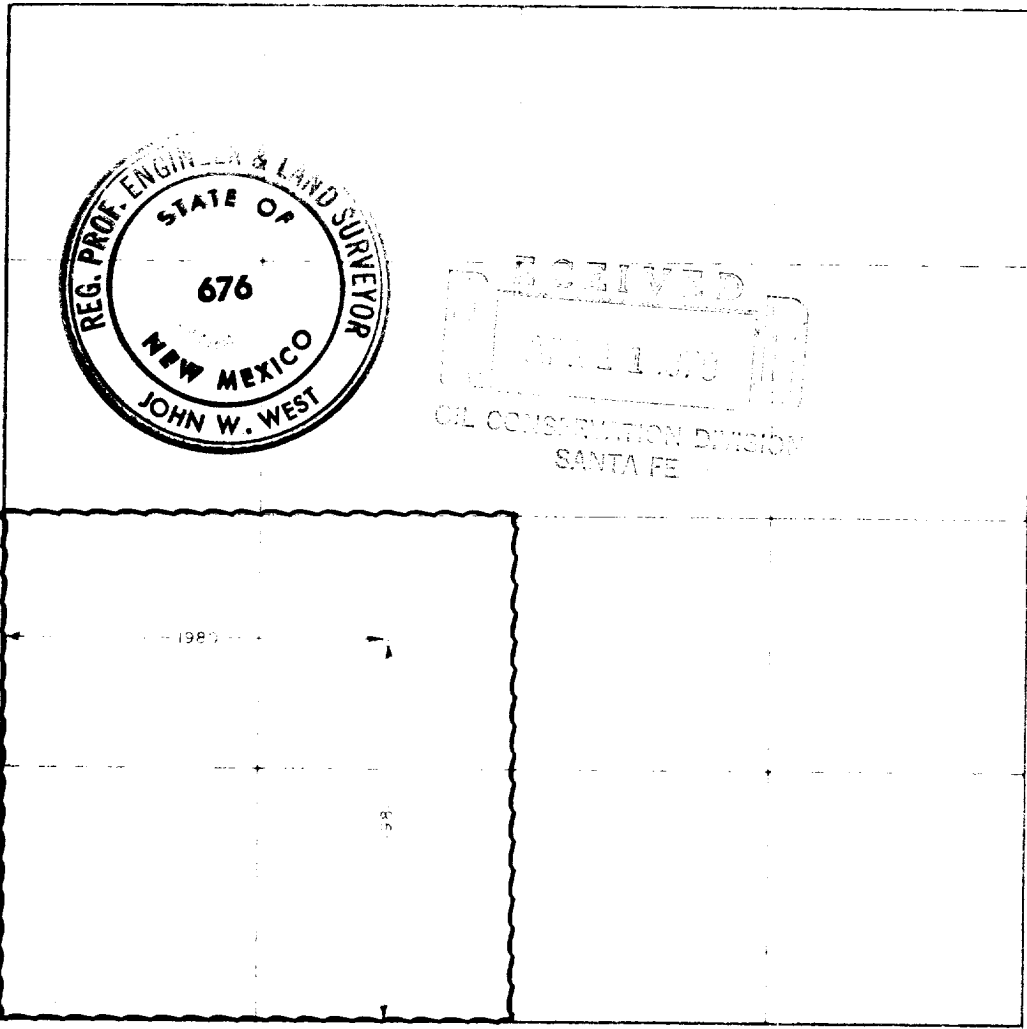
Amoco Production Co.		Heimann		4
K	34	20 North	33 East	Harding
1980	South	1980	West	
4893.7	TUBB	UND. HARDING TUBB	160	

- Outline the acreage dedicated to the subject well by colored lines or hashmark marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof both as to working interest and royalty.
- If more than one lease of different ownership is dedicated to the well, have the interests of the owners been consolidated by communitization, unitization, or 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, if so, reverse side of this form if necessary.

No allowance 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.



STATE OF NEW MEXICO
 I hereby certify that the information contained hereon is true and complete to the best of my knowledge and belief.

Randy Atkins
 ADMIN. ANALYST
 Amoco 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.

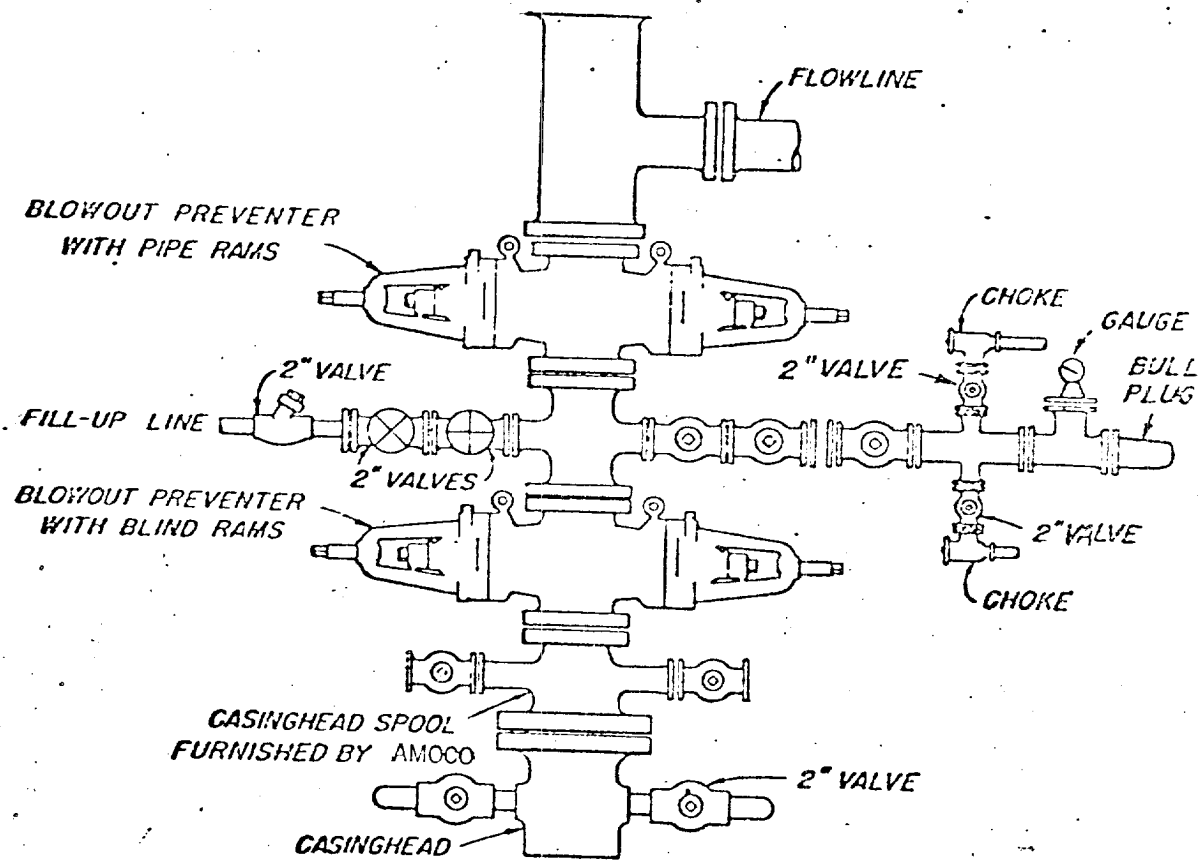
March 25, 1979

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