

NMOCC COPY

SUBMIT IN TRIPLICATE*
(Other Inst. on reverse side)Form approved.
Budget Bureau No. 42-R1425.UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

30-005-60483

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐ SINGLE ZONE ☐ MULTIPLE ZONE ☐2. NAME OF OPERATOR
Amoco Production Company3. ADDRESS OF OPERATOR
P. O. Drawer A, Levelland, TX 793364. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface
1,980' FNL x 1,980' FEL (Unit G, Sec9)
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

13.7 Miles East of Hagerman, N.M.

16. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3579 GR

16. NO. OF ACRES IN LEASE

19. PROPOSED DEPTH
1,800'17. NO. OF ACRES ASSIGNED
TO THIS WELL
16020. ROTARY OR CABLE TOOLS
Rotary22. APPROX. DATE WORK WILL START*
January 16, 1978

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	300'	Circ. to Surface
7-7/8"	5-1/2"	14-15.5#	1,800'	Circ. to Surface

After reaching TD, logs and cores will be run and evaluated. Perforate and/or stimulate as necessary in attempting commercial production.

Mud - 0' - 300' - Native mud and fresh water.
300' - 1800' - Brine water, native mud and sufficient commercial mud to maintain good hole conditions.

BOP Program attached.

Archaeological Reconnaissance attached.

Gas is not dedicated.

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DEC 22 1977

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ARTESIA, NEW MEXICO

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. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Randy Atkins TITLE Staff Assistant (SG) DATE 12-20-77
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

JAN 16 1978

APPROVED BY Frederic L. Lusa
CONDITIONS OF APPROVAL, IF ANY:TITLE ACTING DISTRICT ENGINEERDATE JAN 16 19780 & 4-USGS-Art
1-Div.
1-RC
1-Susp

*See Instructions On Reverse Side

THIS APPROVAL IS RESCINDED IF OPERATIONS
ARE NOT COMMENCED WITHIN 3 MONTHS.
EXPIRES APR 16 1978

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-112
Supersedes O-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

Operator Amoco Production Company		Lease Midwest "A" Federal		Well No. 2
Unit Letter G	Section 9	Township 14 South	Range 28 East	County Chaves
Actual Well Location of Well				
1980	feet from the	North	feet from the	East
Ground Surface Elev. 3579.2	Section Description GRAYBURG S. A. SAMS RANCH		Dedicated Acreage 160	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify (interests in both as to working interest and royalty)
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

RECEIVED

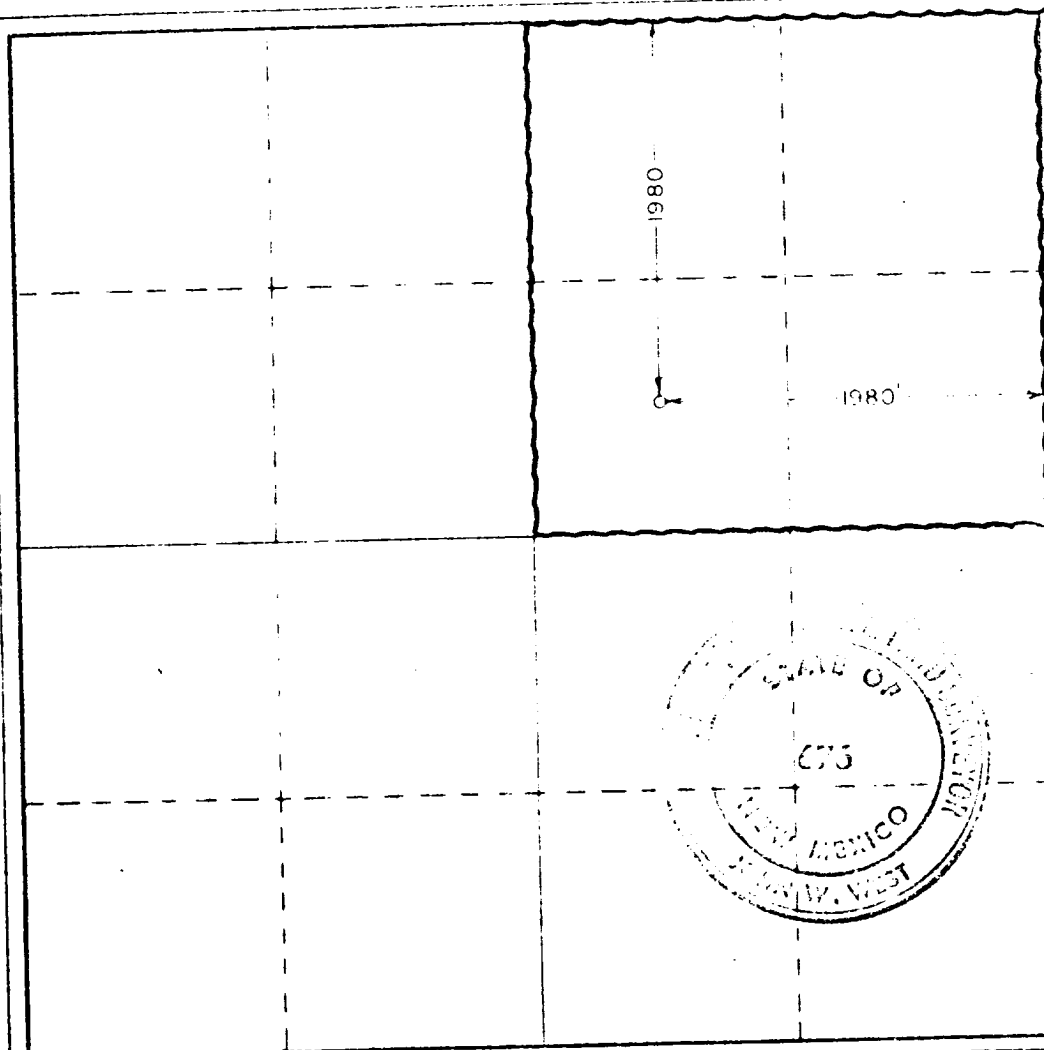
DEC 22 1977

**U.S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO**

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

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

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



CERTIFICATION

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

Randy Atkins
STAFF ASSISTANT (SG)
AMOCO PRODUCTION CO.
12/9/77

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

Date Surveyed
December 5, 1977
Registered Professional Engineer
and State Surveyor

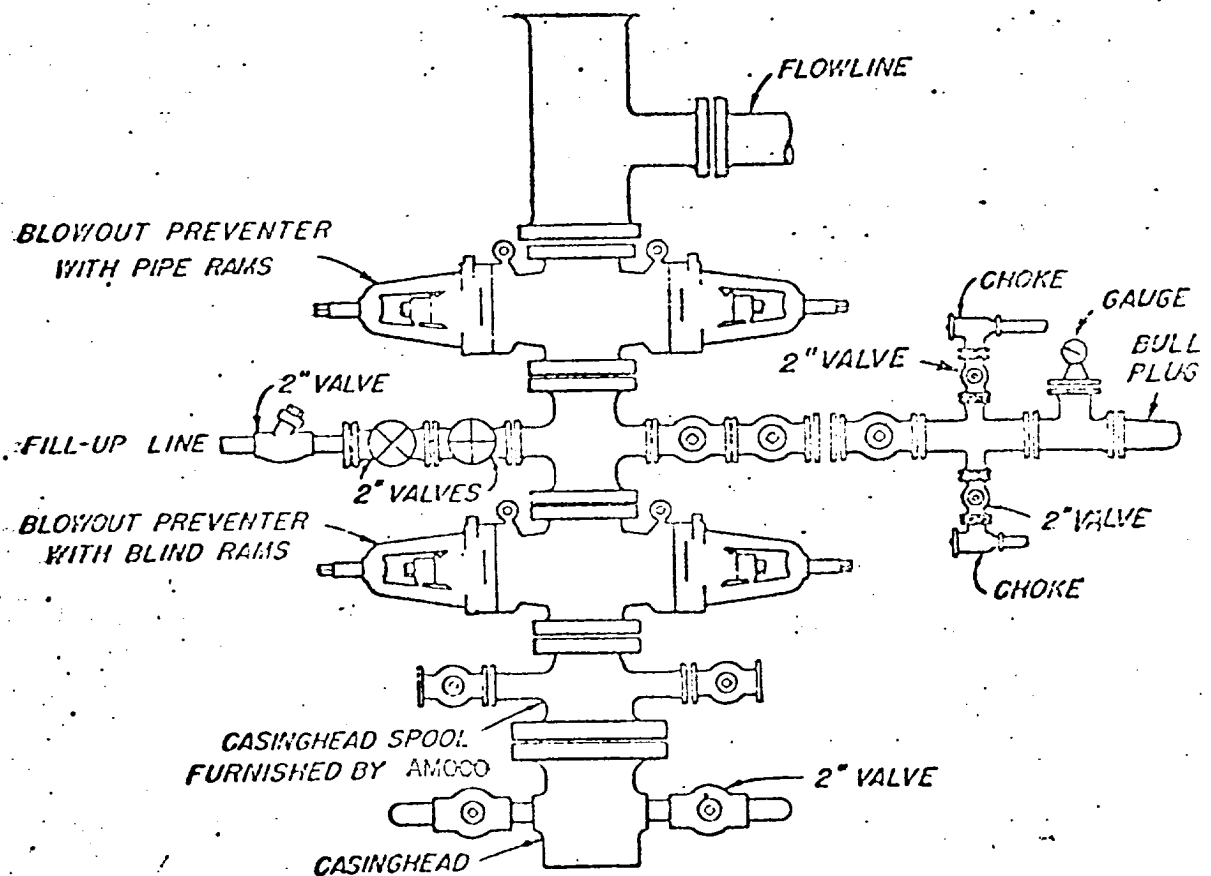
John W. White

Certificate No. **676**

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-I MODIFIED

JUNE 1, 1962

Attachment to "Application for Permit to Drill" Form 9-331 C
Midwest "A" Federal Well No. 2, Unit G, 1,980' FNL x 1,980' FEL, Sec 9,
T-14-S, R-28-E, Chaves County, New Mexico.

1. Location

See Attached Form C-102

2. Elevation

See Attached Form C-102

3. Geologic name of surface formation.

Unknown

4. Type of drilling tools and associated equipment to be utilized.

See Form 9-331 C

5. Proposed drilling depth.

See Form 9-331 C

6. Estimated tops of important geologic markers.

Rustler 300'
Queen 1,120'
Grayburg 1,440'
San Andres 1,720'

7. Estimated depths at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered.

Grayburg 1,440'
San Andres 1,720'

8. Proposed casing program including size, grade, and weight of each string and whether it is new or used.

<u>Depth</u>	<u>Size</u>	<u>Weight</u>	<u>Grade</u>	<u>New or Used</u>
300'	8-5/8"	24#	K-55 ST&C	New
1,800'	5-1/2"	14-15.5#	K-55 ST&C	New

9. Proposed cementing program.

8-5/8" Casing - Sufficient cement to circulate to surface.
5-1/2" Casing - Sufficient cement to circulate to surface.

10. Blow Out Preventer Program is Attached

11. Type and characteristics of the proposed circulating medium or mediums to be employed for rotary drilling and the quantities and types of mud and weighting material to be maintained.

Surf To 300' - Native mud x fresh water
300' To 1,800' - Brine water, native mud and sufficient commercial mud to maintain good hole conditions. .

12. Testing, logging and coring programs to be followed with provisions made for required flexibility.

300' To TD - Gamma Ray-CNL-FDC
300' To TD - Gamma Ray-Dual Laterolog-Micro SFL

13. Any anticipated abnormal pressures or temperatures expected to be encountered or potential hazards such as hydrogen sulfide gas, along with plans for mitigating such hazards.

None Anticipated.

14. Anticipated starting date and duration of operation.

Start January 16, 1978. Complete January 23, 1978.

15. Other facets of the proposed operation, operator wishes to point out for the Geological Survey's consideration of the application.

None

AMOCO PRODUCTION COMPANY
Midwest A Federal No. 2

EXHIBIT "A"

Unit G, Sec. 9, T-14-S, R-28-E
Chaves County

