

Attachment to "Application for Permit to Drill", Form 9-331 C
South Mattix Unit Well No. 36, Unit B, 990' FNL & 2310' FEL,
Sec 22, T-24-S R-37-E, Lea County, New Mexico

1. Location

See attached Form C-102

2. Elevation

See attached Form C-102

3. Geologic name of surface formation.

Ogallala

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.

Yates 2460' Grayburg 3430' Paddock (Glorieta) 4860'
Queen 3190' San Andres 3760'

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

Paddock (Glorieta) 4860'

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>
1,100'	8-5/8"	24#	K-55 ST&C	New
5,120'	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 tie back to 8-5/8".

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10. Blowout 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 1,100' - Native mud and fresh water.

1,100' to 5,120' - 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.

GR - FDC - CNL Caliper Surface to TD

GR - DLL w/Micro SFL Surface to TD

13. Any anticipated abnormal pressure 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.

8-1-79 to 8-15-79

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

Request exemptions from the painting stipulations of Sec. 102 (a) (8) of the "Federal Land Policy and Management Act of 1976" to paint any tanks, separators, and treaters required for the production of this well, Amoco's standard gray color. If a pumping unit is required for the continued production of this well, it will be painted black with orange safety color coding which conforms with your current painting guidelines.

ATTACHMENT TO FORM 9-331C

APPLICATION FOR PERMIT TO DRILL

LEASE South Mattix Unit Federal WELL NO. 36

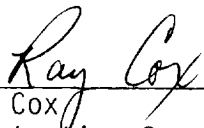
LOCATION 990' FNL & 2310' FEL, Sec 22 (Unit B, NW/4 NE/4)

POOL Fowler Upper Paddock

COUNTY Lea, N.M.

The undersigned hereby states that Amoco's representative, Mr. Steve Hardin, personally contacted Rebecca Jo Doom, the owner of the surface land where the proposed work is to be conducted and advised him of the proposed work, the construction site and pertinent roads included in the project. It is further stated that, upon being fully advised of the extent of the work and the effect upon the surface, said owner has consented to the said work and that agreement as to the compensation for damages to the surface estate has been reached.

If the well is a producer, all pits will be cut, filled and leveled as soon as practical after the pits are dry. If the well is a dry hole, pits will be filled as above, a dry hole marker will be installed, and the location and pad will remain intact.



Ray W. Cox
Administrative Supervisor

5/30/79

Date

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