

CHF
BUM
OP

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesa, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994

Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address: Barbara Fasken 303 W. Wall Ave., Suite 1900 Midland, TX 79701-5116		OGRID Number 1621
Property Code 15020		API Number 30-0521970
Property Name Higgins Trust "1"		Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
D	1	18 S	26 E	11	990	North	990	West	Eddy

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Atoka Penn. (Perforated Gas) 70800									

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code P	Ground Level Elevation 3286.9'
Multiple No	Proposed Depth 9200'	Formation Morrow	Contractor N.A.	Spud Date May, 1994

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
36"	30" Conductor		40'	130	Surface
26"	20" if necessary	94.00	350'	800	Surface
17 1/2"	13-3/8"	54.50	1350'	1075	Surface
12 1/2"	8-5/8"	24.00	1900'	350	1000'
7-7/8"	4 1/2"	11.60	9200'	500	6500'

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Attached

NOTIFY N.M.O.C.D. IN SUFFICIENT
TIME TO WITNESS CEMENTING THE
1373 CASING

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: Tommy E. Taylor		OIL CONSERVATION DIVISION	
Printed name: Tommy E. Taylor		Approved by: [Signature]	
Title: Drilling & Production Engineer		Title: GEOLOGIST	
Date: 4-26-94	Phone: 915-687-1777	Approval Date: 5-23-94	Expiration Date: 11-23-94
		Conditions of Approval: Attached ☐	

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1950, Hobbs, NM 88240

DISTRICT II

P.O. Drawer 60, Artesia, NM 88210

DISTRICT III

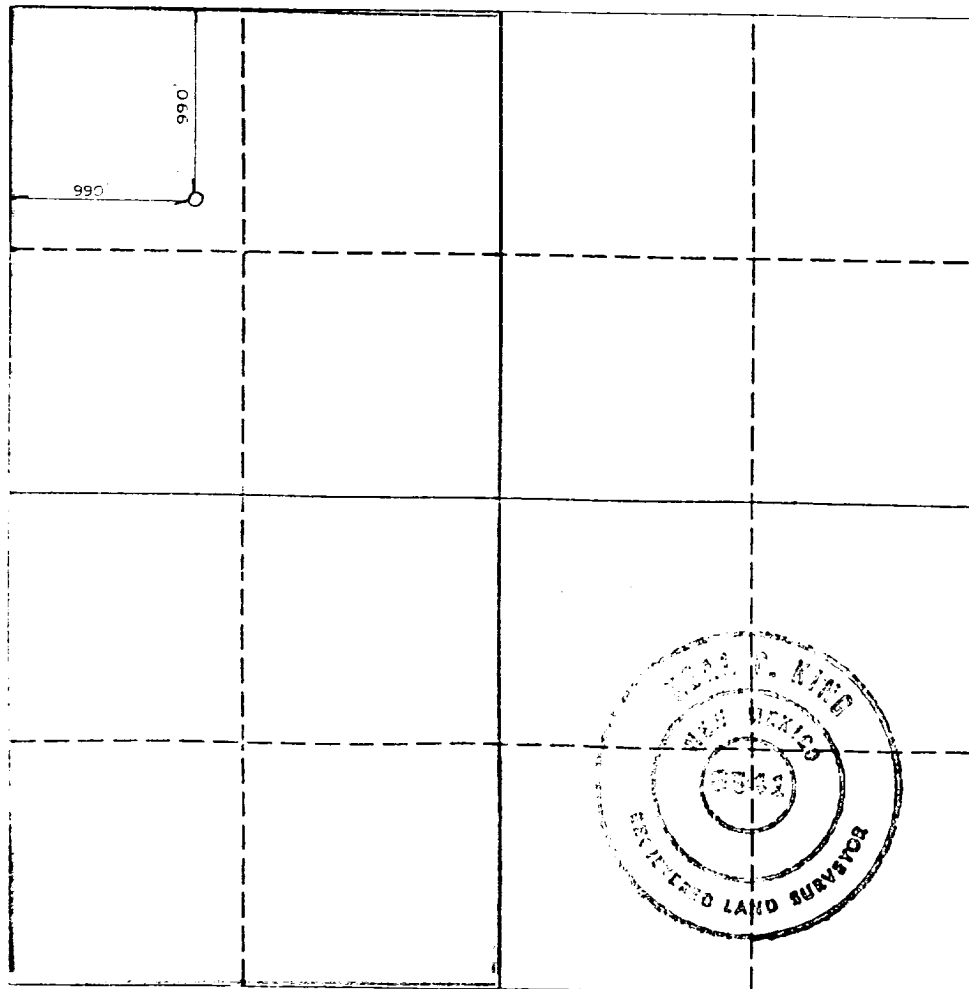
1000 Rio Brabos Rd., Alamo, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator BARBARA FASKEN			Lease HIGGINS TRUST "1"		Well No 1
Unit Letter D	Section 1	Township 18 South	Range 26 East	County NMEN	EDDY
Well Location of Well: 990 feet from the NORTH line and 990 feet from the WEST line					
Produced Elev. 3286.9		Producing Formation Morrow		Dedicated Acreage 320 Acres	

- 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 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 interest of all owners been consolidated by communitization, unitization, force-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. (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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature

Tommy E. Taylor

Printed Name

Tommy E. Taylor

Position

Drig. & Prod. Engineer

Company

Barbara Fasken

Date

April 27, 1994

SURVEYOR CERTIFICATION

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

4/13/94

Signature & Seal of
Professional Surveyor

Paul D. King

Certificate No.

6541

0 300 600 900 1200 1500 1800 2100 2400 2700 3000 3300 3600

Recommended Procedure

Higgins Trust "1" No. 1 ----- A.F.E. No.

----- Atoka Penn Field
Eddy County, N.M.

1. Drill 36" hole to 40' with rat hole machine and set 30" conductor.
2. Cement conductor with ready mix concrete. Estimate 6 yd³ concrete.
3. Drill 17-1/2" hole to 1350' with mud.
- Lost circulation may be encountered in gravel bed at approximately 200'-350'. If circulation cannot be regained, ream hole diameter to 26". Set 20" casing at 350' and cement to surface (Estimate 800 sx Class "C" with 2% CaCl₂, s.w. 14.8 ppg, yield 1.32 ft³/sx).
4. Set and cement 13-3/8" casing at 1350', cement to surface and install 12" x 3000 psi casinghead (Estimate 875 sx Class "C" with 4% gel and 2% CaCl₂, s.w. 12.7 ppg, yield 1.84 ft³/sx, plus 200 sx Class "C" with 2% CaCl₂; s.w. 14.8 ppg, yield 1.32 ft³/sx).
5. WOC 12 hours, drill 12-1/4" hole to 1900'. Set and cement 8-5/8" casing with sufficient cement to tie into 13-3/8" casing. (Estimate 350 sx Class "C" with 2% CaCl₂, s.w. 14.8 ppg, yield 1.32 ft³/sx).
6. WOC 12 hours. Run temperature survey to locate top of cement.
7. Install 12"-3000 psi x 10"-3000 psi spool with secondary seal, bit guide, choke manifold, B.O.P.'s and hydril stack.
8. Hydrostatically test 200' of 8-5/8" casing to 2300 psig, casing spool, BOP's, and choke manifold to 3000 psig, and hydril to 1500 psig. Install flowline sensor.
9. Drill 7-7/8" hole to total depth of 9200' using fresh water to 5500', 4% KCl water to 8600'. Mud up at 8600' with polymer starch mud system and maintain 38-42 sec. viscosity, 8.7 ppg and 7 cc water loss to total depth.
10. DST all shows.
11. Log well with CNL-LDT, Phasor Induction-SFL, GR and caliper.
12. Set and cement 4-1/2" production casing (resin coated and centralizer through pay zones) with 300 sx HLW "H" with 0.5% Halad 22-A (s.w. 12.7 ppg, yield 1.84 ft³/sx) plus 200 sx Class "H" with 3# KCl/sx, 0.8% Halad 22-A and 0.4% CFR-2 (s.w. 15.6 ppg, yield 1.22 ft³/sx). Displace plug with 3% KCl water.
13. Set slips, nipple down BOP's and run temperature survey to locate cement top.
14. Install 10"-3000 psi x 6"-3000 psi tubinghead and flow tree.

