

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐

2. NAME OF OPERATOR
STEVENS OPERATING CORPORATION

3. ADDRESS OF OPERATOR
P. O. Box 2408, Roswell, New Mexico 88201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 660' FSL 1980' FWL Sec. 33 T-7-S-R-26-E
At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
23.0 air miles northeast of Roswell, New Mexico

10. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any) 660'

16. NO. OF ACRES IN LEASE
600

17. NO. OF ACRES ASSIGNED
TO THIS WELL 160

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
4700'

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3707.6 GR

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"	24.0#	750'	Circulate to surface
7 7/8"	4 1/2"	10.5#	4700'	Circulate to surface

After setting and cementing production string, pay zones will be perforated and stimulated as needed for production.

Gas is not dedicated.

Attached are: 1. Well Location and Dedication Plat
2. Supplemental Drilling Data
3. Surface Use Plan

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 *[Signature]* TITLE Production Coordinator DATE November 8, 1982

(This space for Federal or State office use)
(Orig. Sgd.) GEORGE H. STEWART

PERMIT NO. NOV 19 1982 APPROVAL DATE

APPROVED BY JAMES A. GILLHAM DISTRICT SUPERVISOR TITLE DATE

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form O-102
Supersedes C-128
Effective 1-1-65

All distances must be from the outer boundaries of the Section

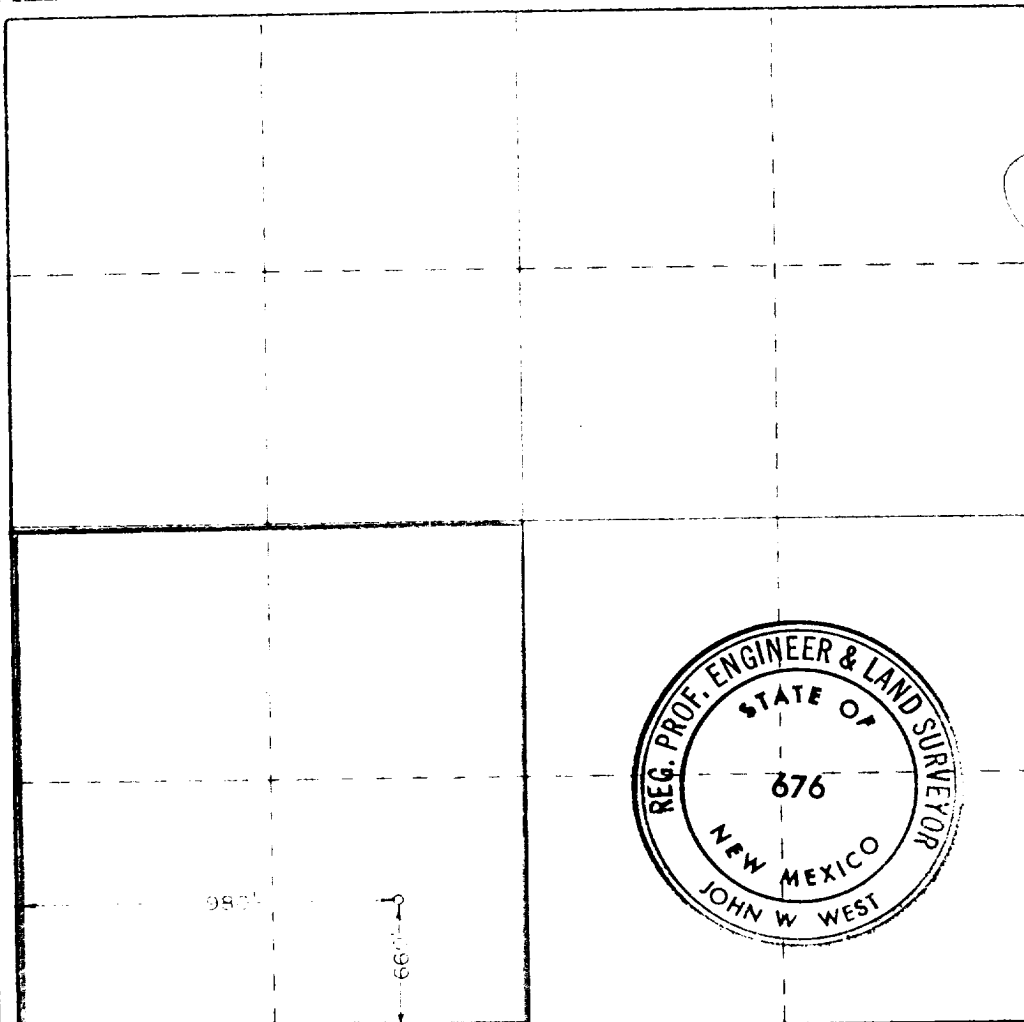
STEVEN'S OPERATING COMPANY		NICHOLS-DALE FEDERAL		Well No. 2
N	33	7 SOUTH	26 EAST	CHAVES
660	feet from the	SOUTH	1980	feet from the
				WEST
3707.6	Excluding Fraction	Abo	Pecos Slope	Dedicated Acreage: 160 Acres

- 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 interests 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 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.

Pat Thompson

Production Coordinator

Company

STEVEN'S OPERATING CORPORATION

Date

November 8, 1982

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 received

11/04/82

Registered Professional Engineer and Land Surveyor

Certificate No.

676

SUPPLEMENTAL DRILLING DATA

STEVENS OPERATING CORPORATION
NICHOLS DALE FEDERAL #2
660' FSL 1980' FWL, Sec 33 T-7-S R-26-E
CHAVES COUNTY, NEW MEXICO

1. SURFACE INFORMATION: Permian (Artesia Group).

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

San Andres	695'	Abo	3950'
P ₁	1165'	Wolfcamp	4625'
Glorietta	1795'		

3. ANTICIPATED POROSITY ZONES:

Water	60'
Oil	1165'
Gas	4000'

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>	<u>Condition</u>
8 5/8"	0 - 750'	24.0#	K-55	STC	New
4 1/2"	0 - 4700'	10.5#	K-55	STC	New

5. SURFACE CONTROL EQUIPMENT: A double ram-type preventer (900 series). A sketch of BOP stack is attached.

6. CIRCULATING MEDIUM:

0 - 750	Fresh water mud with gel added if needed for viscosity.
750 - TD	Salt water mud, conditioned as necessary for control of viscosity and water loss.

7. AUXILIARY EQUIPMENT: Drill string safety valve.

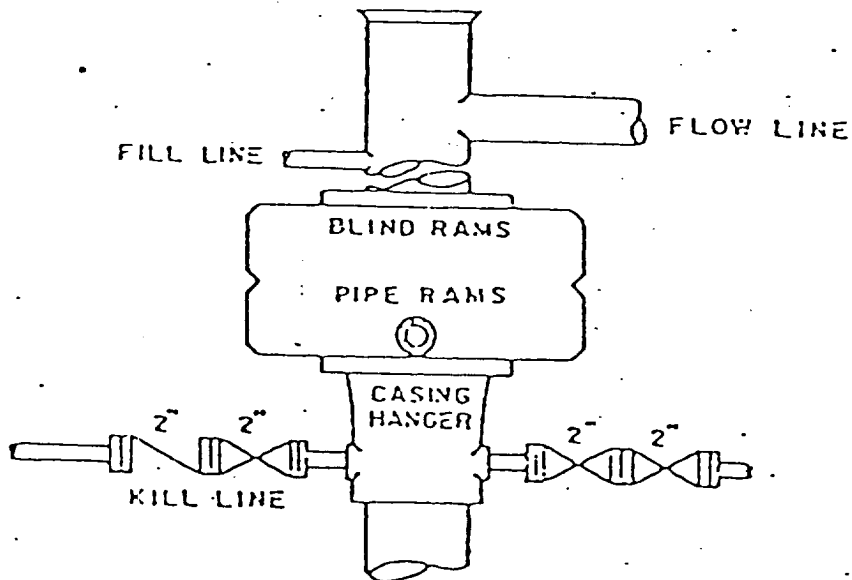
8. TESTING, LOGGING AND CORING PROGRAMS:

DST's:	As warranted.
Coring:	None planned.
Logging:	A Compensated Neutron/Formation Density Log w/Gamma Ray and a Dual Laterolog/Micro-Spherically Focused Log.

9. ABNORMAL PRESSURES, TEMPERATURES OR GASES: None anticipated.

10. ANTICIPATED DATES: It is planned that drilling operations will commence about November 12, 1982. Duration of drilling and completion operations should be 20 to 60 days.

STEVENS OPERATING CORPORATION
NICHOLS DALE FEDERAL #2
660' FSL 1980 FWL, SEC 33 T-7-S R-26-E
CHAVES COUNTY, NEW MEXICO



DUAL RAM-TYPE PREVENTER

900 Series

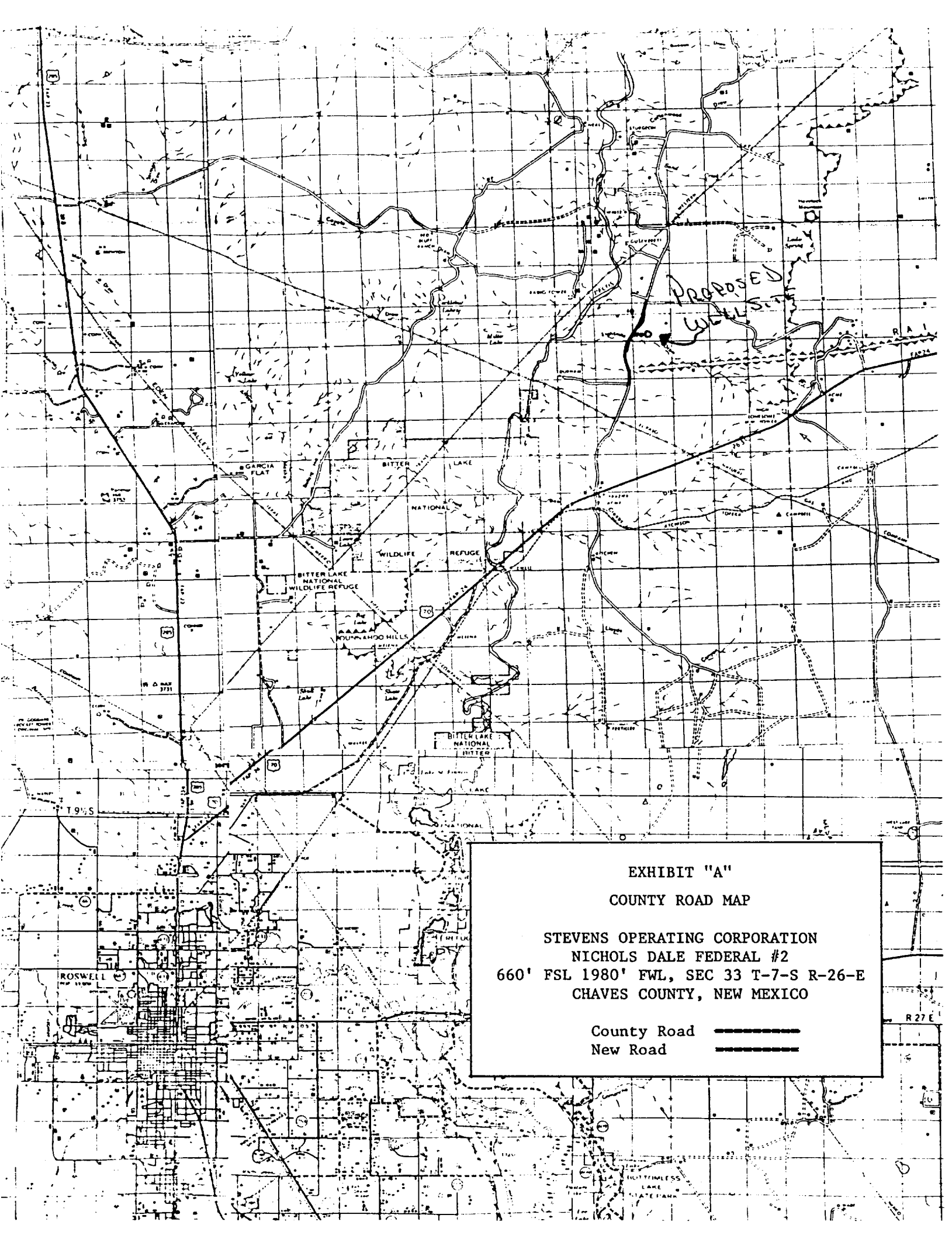
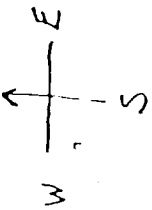


EXHIBIT "A"

COUNTY ROAD MAP

STEVENS OPERATING CORPORATION
NICHOLS DALE FEDERAL #2
660' FSL 1980' FWL, SEC 33 T-7-S R-26-E
CHAVES COUNTY, NEW MEXICO

County Road —————
New Road - - - - -



70' x 70'

Sump Hole

8' x 12'

DASH

Pit

Anchor

Working Pits

8' Deep

35'

Catwalk

Pipe Racks

Rig

Sub

Oil

Light

Plants

Water Tank
350 Bbls

Diesel

Butane

Rig #1

5' x 5' x 5'
Cellar

Tool Racks

200'

SUPPLEMENTAL EXHIBIT "D"
SKETCH OF WELL PAD
STEVENS OPERATING CORPORATION
NICHOLS DALE FEDERAL #2
660' FSL 1980' FWL, SEC 33 T-7-S R-26-E
CHAVES COUNTY, NEW MEXICO

CIA
Delq. Co.