

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN ☒ APPLICATIONForm approved.
Budget Bureau No. 42 R1425.NM OFF. CONS. COMMISSION
Drawer DD
Artesia, NM 88210

30-005-2169

5. LEASE DESIGNATION AND SERIAL NO.

NM-15862

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

QUAIL FEDERAL

9. WELL NO.

3

10. FIELD AND POOL, OR WILDCAT

X Pecos Slope Abo

11. SEC., T., R., M., OR B.L.
AND SURVEY OR AREA

Sec. 23-6S-25E

12. COUNTY OR PARISH 13. STATE

Chaves

N.M.

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☒MULTIPLE ☐

2. NAME OF OPERATOR

GREAT WESTERN DRILLING COMPANY

(Ph. 915-682-5241)

3. ADDRESS OF OPERATOR

P. O. Box 1659, Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

660' FNL & 990' FWL of Sec. 23-6S-25E

At proposed prod. zone
same

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

26 air miles north-northeast of Roswell, N. M.

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

660'

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. $\frac{1}{2}$ mile

16. NO. OF ACRES IN LEASE

1759.06

19. PROPOSED DEPTH

4300' ABO

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

Rotary

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

3844' F.L.

22. APPROX. DATE WORK WILL START*

July 1, 1982

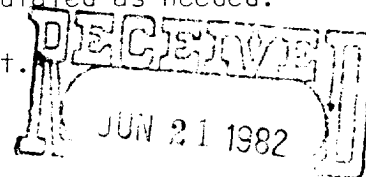
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
14 3/4"	10 3/4"	32.75#	900'	Sufficient to circulate
9 7/8 & 7 7/8"	4 1/2"	9.50#	4250'	*

* 9 7/8" hole will be reduced to 7 7/8" at 1825' +/- (200-300' below top of the Glorietta). Production casing will be cemented around the shoe with 250 sacks and staged at 1825' +/- with sufficient cement to circulate or tie back into the 10 3/4" casing. Abo pay zone will be perforated and stimulated as needed.

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

Gas for this acreage is not dedicated.



Posted ID-1
7-16-82
New to API

OIL & GAS
U.S. GEOLOGICAL SURVEY
ROSWELL, 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

James A. Gilham

TITLE Agent

DATE June 16, 1982

(This space for Federal or State office use)

(Orig. Sgd.) GEORGE H. STEWART

PERMIT NO.

JUL 9 1982

APPROVAL DATE

APPROVED BY

JAMES A. GILHAM
DISTRICT SUPERVISOR

TITLE

DATE

*See Instructions On Reverse Side

All distances must be from the outer boundaries of the Section.

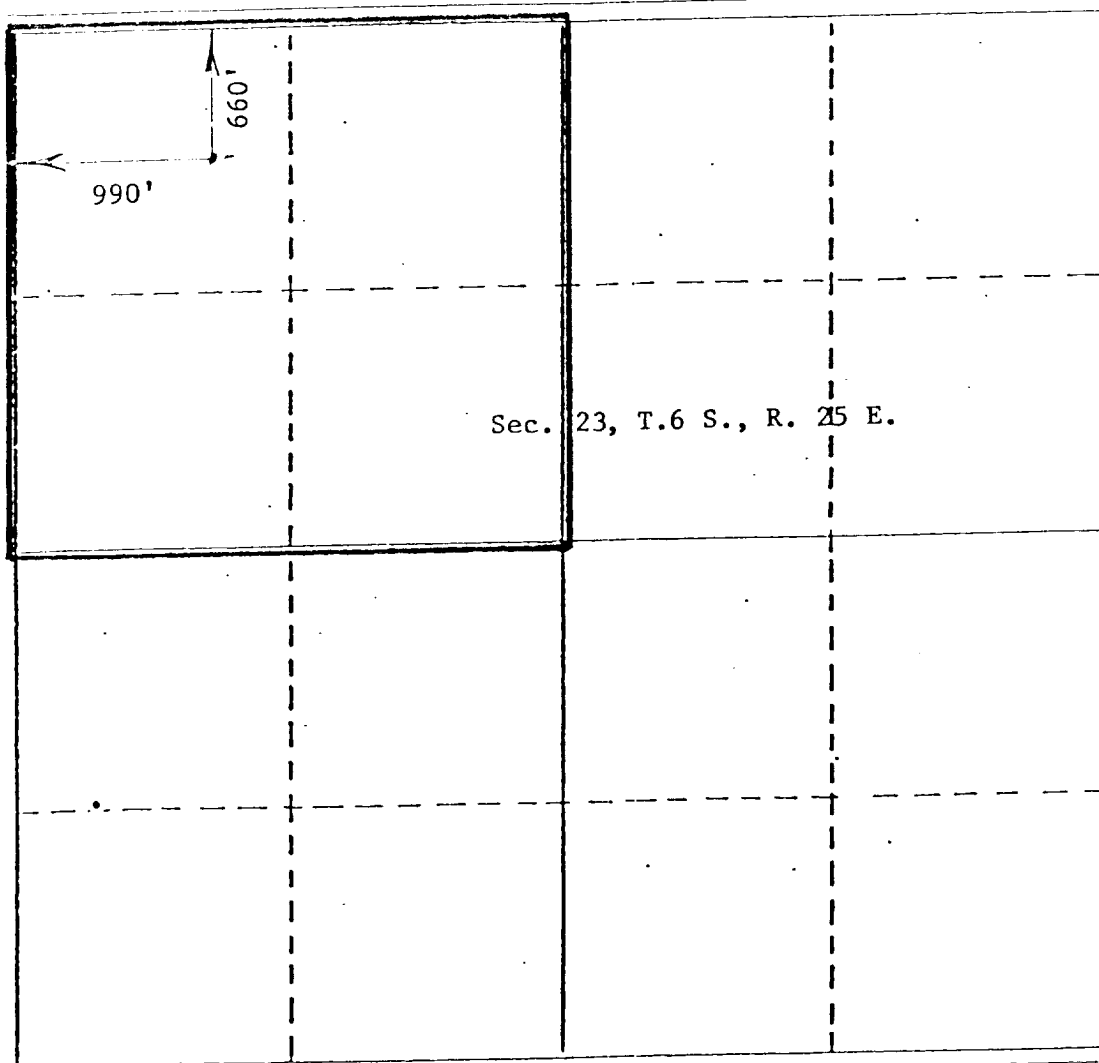
Operator Great Western Drilling Co.			Lease Quail Federal			Well No. #3		
Unit Letter D	Section 23	Township 6S	Range 25E	County Chaves				
Actual Footage Location of Well:								
660 feet from the North line and			990 feet from the West line					
Ground Level Elev. 3844	Producing Formation Abo		Pool Pecos Slope Abo			Dedicated Acres: 160 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. 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 Division.



CERTIFICATION

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

James A. Knauf

Name
James A. Knauf
Position
Agent

Company
GREAT WESTERN DRILLING CO.

Date
June 11, 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 Surveyed
June 12, 1982
Registered Professional Engineer and/or Land Surveyor
JOHN D. JAQUES
John D. Jaques, P.E. & L.S.
Certificate No. **6290**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

SUPPLEMENTAL DRILLING DATA

GREAT WESTERN DRILLING COMPANY
WELL #3 QUAIL FEDERAL
NW $\frac{1}{4}$ NW $\frac{1}{4}$ SEC. 23-6S-25E
CHAVES COUNTY, NEW MEXICO

1. SURFACE FORMATION: Artesia Group of Permian Age.

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

San Andres	555'	Tubb	2995'
Glorietta	1575'	Abo	3630'

3. ANTICIPATED POROSITY ZONES:

Water	50-150', 555-640'
Oil	975-1190'
Gas	3670-4030'

4. CASING DESIGN:

<u>Size</u>	<u>Interval</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>	<u>Condition</u>
10 3/4"	0 - 900'	32.75#	K-55	STC	New
4 1/2"	0 - 4250'	9.5 #	K-55	STC	New

5. SURFACE CONTROL EQUIPMENT: A double ram-type BOP will be used.

6. CIRCULATING MEDIUM: Fresh water mud conditioned as necessary for control of viscosity and water loss.

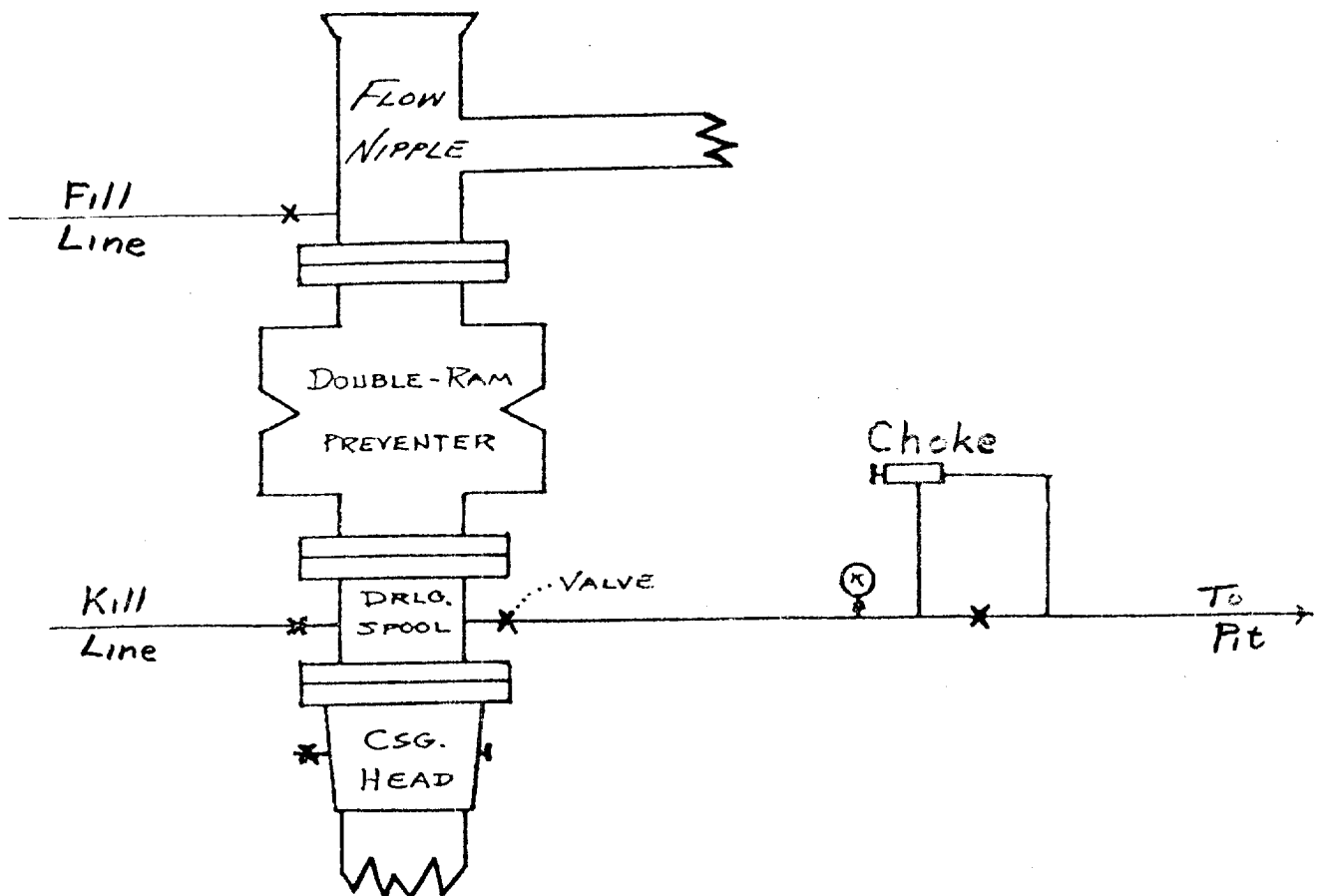
7. AUXILIARY EQUIPMENT: A full opening safety valve will be kept on rig floor in open position at all times.

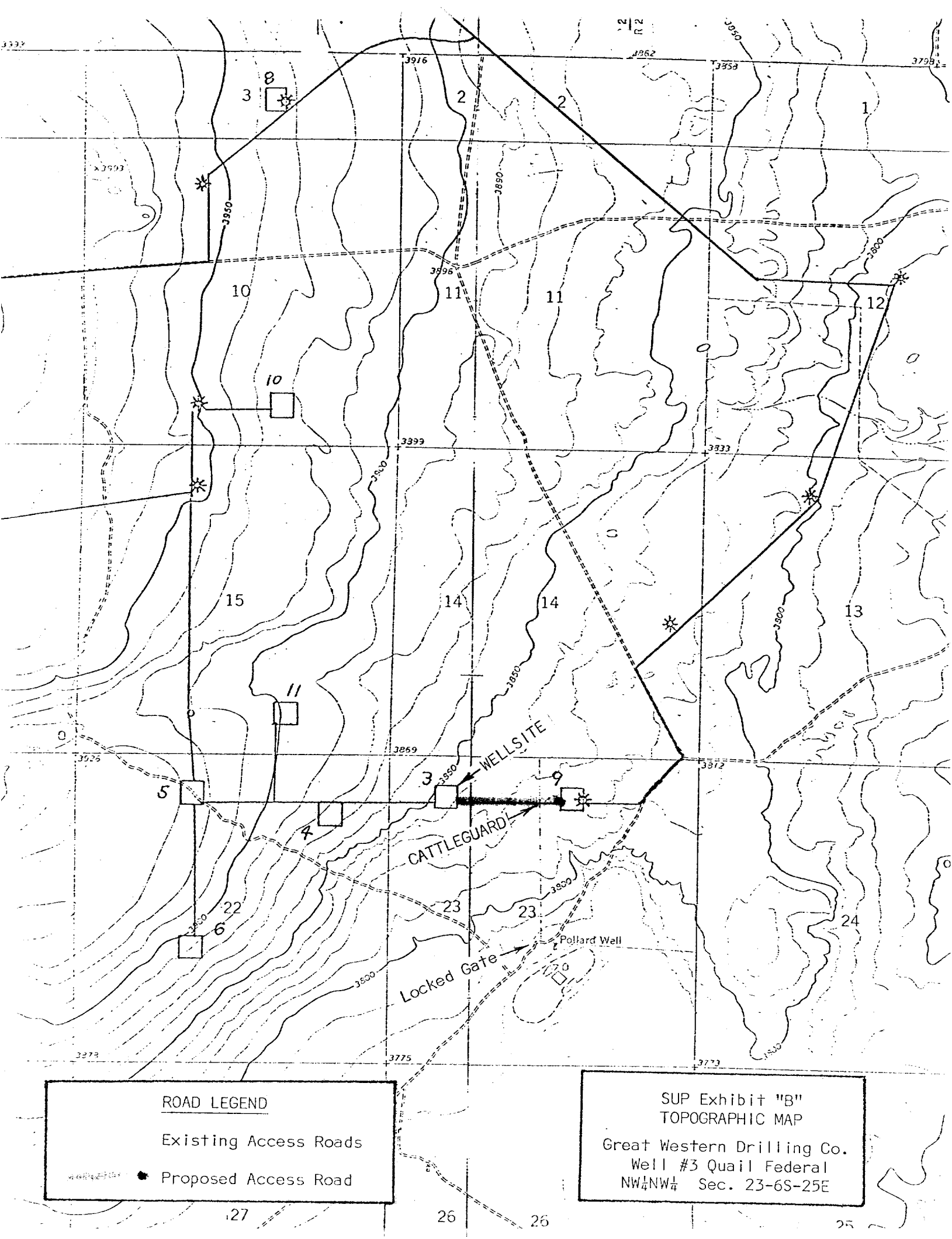
8. LOGGING PROGRAM: Compensated Neutron/Formation Density Log (0-TD).

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

10. ANTICIPATED STARTING DATE: It is planned that operations will commence about July 1, 1982. Duration of drilling, testing, and completion operations should be 2 to 5 weeks.

B O P & CHOKE MANIFOLD





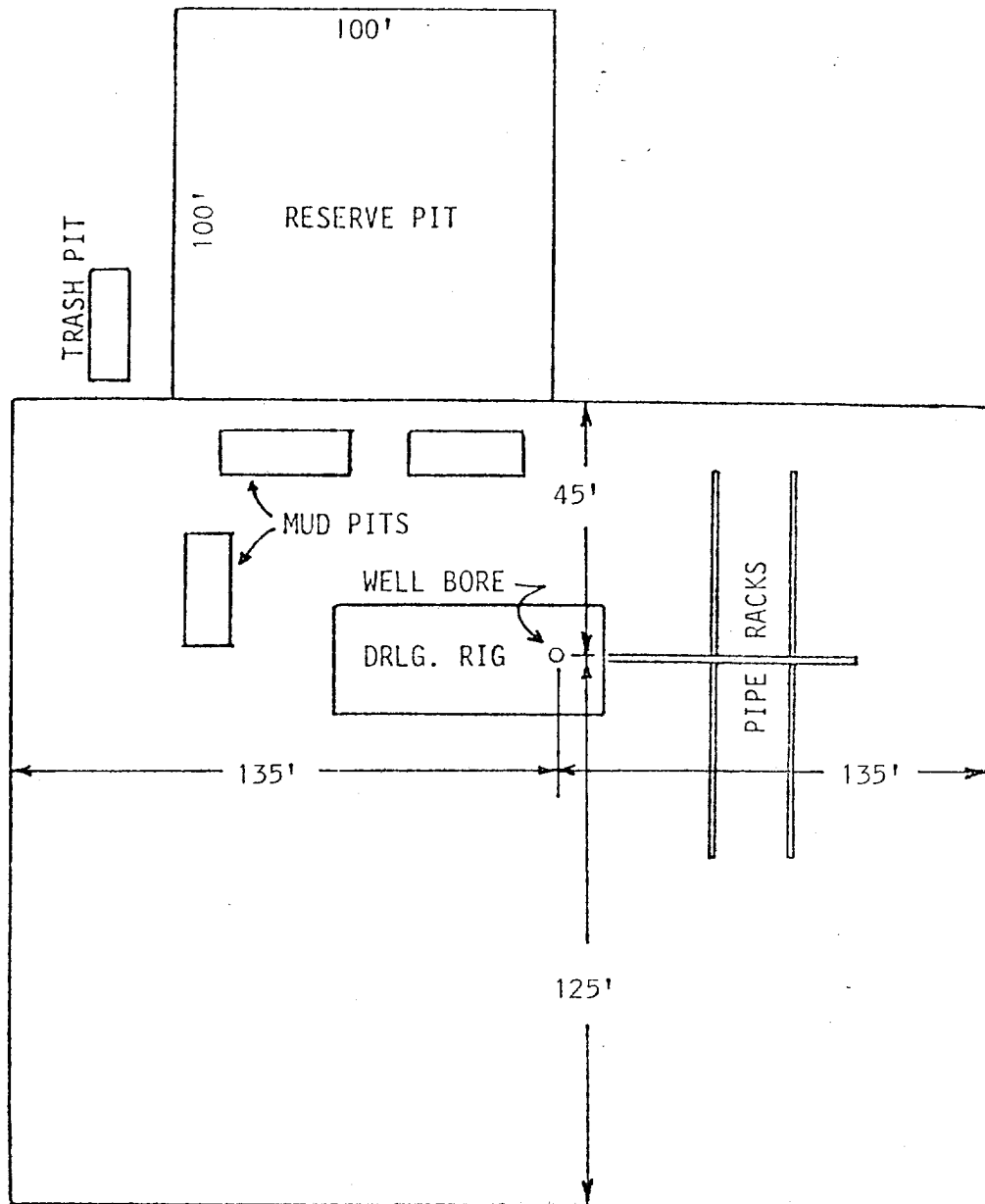
ROAD LEGEND

Existing Access Roads

Proposed Access Road

SUP Exhibit "B"
TOPOGRAPHIC MAP

Great Western Drilling Co.
Well #3 Quail Federal
NW 1/4 NW 1/4 Sec. 23-6S-25E



SUP Exhibit "D"
 SKETCH OF WELL PAD
 Great Western Drilling Co.
 Well #3 Quail Federal
 NW $\frac{1}{4}$ NW $\frac{1}{4}$ Sec. 23-6S-25E