NM U11 Cons. Commission Drawer DD

Form 3160-

(November 1989) tesia, NV 8821 (NITED STATES

SUBMIT IN TR CATE (Other instructions on

reverse side)

Expires August 31 1985

•	DEPARTMEN	T OF THE II	NTERIOR	₹		1	5. LEASE DESIGNATION AND SERIAL NO.		
BUREAU OF LAND MANAGEMENT									
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK							NM-15862 6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
***************************************	FOR PERMIT	TO DRILL, L	DEEPEN,	OK P	LUG B	ACK			
1a. TYPE OF WORK DRIL b. TYPE OF WELL	L X	DEEPEN [☐ PLUG BACK ☐		7. UNIT AGREEMENT NAME				
OIL GAS	LL X OTHER		SINGLE ZONE	X	MULTIPE ZONE		8. FARM OR LEASE NAME		
2. NAME OF OPERATOR (Kenneth Smith)							QUAIL FEDERAL COM		
GREAT WESTERN D	RILLING COMPAN	IY	REC	(505-1	396-553	38)	9. WELL NO.		
3. ADDRESS OF OPERATOR						/			
P. O. Box 1659,							10. FIELD AND POOL, OR WILDCAT		
4. LOCATION OF WELL (Re At surface	port location clearly an	d in accordance wit	* ****		nts.*)	IK J	Pecos Slope Abo		
1980' FSL & 188	O' FEL of Sect	tion 15.	JUL .	10,89	. '	10	11. SEC., T., B., M., OR BLK. AND SURVEY OR AREA		
At proposed prod. zone			_		•	nit J)			
Same				C. D.	•	N¼SE¼)	Sec. 15-6S-25E		
14. DISTANCE IN MILES A				•			12. COUNTY OR PARISH 13. STATE		
26 air miles no							Chaves NM		
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) (660')						OF ACRES ASSIGNED THIS WELL 160			
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 3730 **			19. PROPOSED DEPTH 20. ROTA 4250 Abo			20. пота	RY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show when 3901 GR 390							22. APPROX. DATE WORK WILL START* June 26, 1989		
23.		PROPOSED CASI	ING AND CEN	MENTING	PROGRAM	<u></u>	ANT THE PROPERTY OF THE PROPER		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	WEIGHT PER FOOT SETTING DEPTH			QUANTITY OF CEMENT			
14 3/4"	10 3/4"	32.75#		920'		Sufficient to circulate			
9 7/8 & 7 7/8"	4 1/2"	9.50#		4250'		300 sacks			
	ng will be cen Abo.	mented with	sufficie	ent ce	ment to	o come	op of the Glorietta). back to a minimum of		

Attached are:

PERMIT NO.

- 1. Well Location & Acreage Dedication Plat
- Supplemental Drilling Data
- Surface Use Plan

POST ID-1

Gas for this acreage is not dedicated.

17-14-8 G

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 depthy. Give blowout preventer program, if any.

SIGNED James A. Knauf	TITLE Permit Agent	DATE June 9, 1989
(This space for Federal or State office use)		

APPROVED BYS/Phil	Kirk TITLI
COMPTRIONS OF THEFTONIA IN THE	

Area Manage:

APPROVAL DATE

DATE JUL 6

PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUC-WITHOUT OF THE ACCESS ROAD OR PAD WITHOUT

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE JOTHOSE RIGHTS HE THE SUBJECT LEASE WHICH WOULD

PAYMENT
"See Instruction Tille 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Libmit to Appropriate istrict Office tate Lease - 4 copies ee Lease - 3 copies

DISTRICT II
1.O. Drawer DD, Artesia, NM 88210

O. Box 1980, Hobbs, NM 88240

000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088 Santa Fe. New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PL

Form C-102

Revised 1-1-89

All Distances must be from the outer boundaries of the section perator Lease Well No GREAT WESTERN DRILLING COMPANY QUAIL FEDERAL COM 6 Init Letter Section Township Range County 15 6 South 25 East Chaves **NMPM** Actual Footage Location of Well: 1980 feet from the South 1880 line and fect from the East line Ground level Elev. Producing Formation Pool Dedicated Acreage: 3900.8 Abo Pecos Slope Abo 160 Acres

- 1. Outline the acreage dedicated to the subject well by colored pencil or hachure 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 interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

X Yes No Com. Agr. being processed. 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 neccessary.

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise)

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

Printed Name

James A. Knauf

Position Permit Agent Company

GREAT WESTERN DRLG. CO.

May 31, 1989

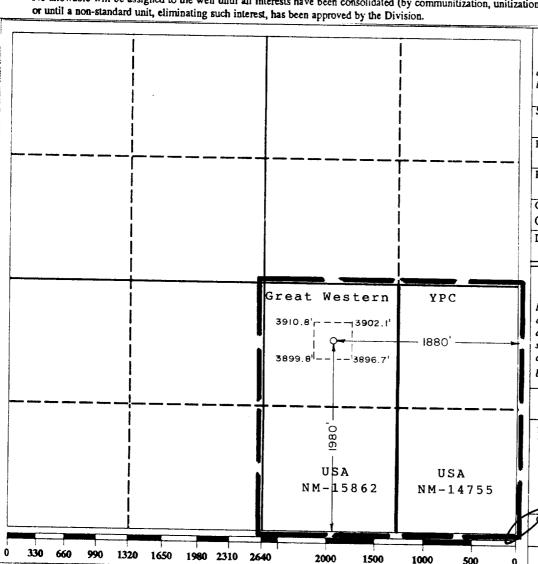
SURVEYOR CERTIFICATION

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 supervison, and that the same is true and correct to the best of my knowledge and belief.

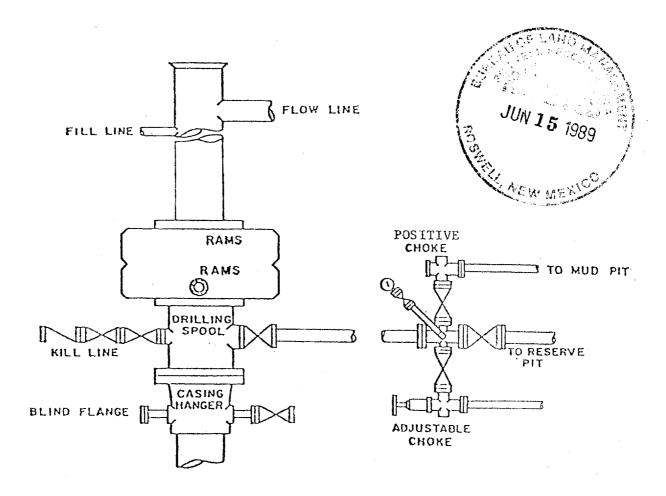
Date Surveyed

May 1989 Signature & Seal of

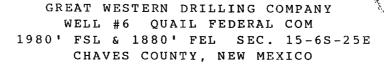
Professional Surveyor



BLOWOUT PREVENTOR SKETCH



SUPPLEMENTAL DRILLING DATA



- 1. SURFACE FORMATION: Artesia Group of Permian Age.
- 2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

San Andres 575! Tubb 3015! Glorietta 1595! Abo 3650!

3. ANTICIPATED POROSITY ZONES:

Water 50-150', 575-660' Oil 995-1210' Gas 3690-4050'

4. CASING DESIGN:

Size	Interval	Weight	Grade	<u>Joint</u>	Condition
10 3/4"	0 - 920'	32.75#	K-55	STC	New
4 1/2"	0 - 4250'	9.5 #	K-55		New

- 5. SURFACE CONTROL EQUIPMENT: A double ram-type BOP will be used.
- 6. <u>CIRCULATING MEDIUM</u>: 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 June 26, 1989. Duration of drilling, testing, and completion operations should be 2 to 5 weeks.

