DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT						5. LEASE DESIGNATION AND SEBIAL NO.		
	FOR PERMIT					NM-15862 6. IF INDIAN, ALLOTTE	E OR TRIBE NAME	
1a. TYPE OF WORK		IO DRILL,	DEEP	EIN, OK PLUG E	BALK			
b. TYPE OF WELL		DEEPEN		PLUG BA		7. UNIT AGREEMENT	NAME	
WELL W 2. NAME OF OPERATOR	ELL X OTHER			INGLE X MULTIN		S. FARM OR LEASE NA		
	DRILLING COMPAN	v	R	(Kenneth Sm ECE! VEO 5-396-55		QUAIL FEDER	AL	
3. ADDRESS OF OPERATOR		* 			301	4		
P. O. Box 1659	, Midland, Texa:	s 79702			-	10. FIELD AND POOL,	OR WILDCAT	
4. LOCATION OF WELL (R At surface	eport location clearly and	in accordance wi	th any	ate enugenents.*)		Pecos Slope	Abo	
660' FNL & 660	' FWL of Section	n 22.			$\mathcal{O}_{\mathcal{O}}$	11. SEC., T., R., M., OR AND SURVEY OR A	BLK. REA	
At proposed prod. zon Same	. e				nit D)			
	AND DIRECTION FROM NEA	REST TOWN OR POS	ART T OFFIC	ESIA, OFFICE (N	WZNWZ)	Sec. 22-6S- 12. COUNTY OR PARISI		
26 air miles no	orth-northeast					Chaves	NM	
15. DISTANCE FROM PROPULOCATION TO NEAREST	JSED*	660'		O. OF ACRES IN LEASE	17. NO. C	F ACRES ASSIGNED	1	
PROPERTY OR LEASE L (Also to nearest drig	g. unit line, if any)	660')		1759.06	10 11	HIS WELL 160		
18. DISTANCE FROM PROP TO NEAREST WELL, D	RILLING. COMPLETED.	080'	19. PI	ACTO LANC	20. ROTA	RY OR CABLE TOOLS		
OR APPLIED FOR, ON THE 21. ELEVATIONS (Show who				4250' Abo		Rotary		
3933. ' GR						22. APPROX. DATE W		
23.		DDODOSED CAN				June 26, 19	89	
SIZE OF HOLE	BITTE OT GLOUND			CEMENTING PROGRA	M 			
14 3/4"	$\frac{\text{size of casing}}{10 3/4^{n}}$	<u>weight per f</u> 32.75#	'00T	SETTING DEPTH		QUANTITY OF CEMENT		
7/8 & 7 7/8"	4 1/2"	9.50#		<u> </u>	300 s		ulate	
production cas:	ll be reduced to ing will be cem	o 7 7/8" at ented with	±180 suff:	00' (200-300' b icient cement t	elow to o come	op of the Glor back to a min	ietta). imum of	
600' above the	Abo.							
Abo pay zone w:	ill be selective	ely perfora	ted a	and stimulated	as need	ed for sonthing	řn.	
production.					45 11000	CALLON OD CHING	C.	
Nttoched and	1				ļ		4.4	
Attached are:	 Well Locat: Supplementation 	lon & Acrea	ige De	edication Plat	$f_{\rm s}$		0-31	
	3. Surface Use		Date	2		10 10 10 10 10 10 10 10 10 10 10 10 10 1	89	
				POSTID-	(JUN 15 19	}	
	reage is not de	edicated.		NKZAP. NKZAP.	τ \	-3	.01	
Gas for this ac					4	Yes.	et	
		proposal is to deep	pen or p t data o	lug back, give data on p n subsurface locations an	resent produ nd measured	and true vertical dept	i yew productive is. Give blowout	
N ABOVE SPACE DESCRIBE one. If proposal is to o reventer program, if any	PROFOSED PROGRAM: If j drill or deepen directiona	lly, give pertinent						
N ABOVE SPACE DESCRIBE one. If proposal is to o reventer program, if any	- a Rucep	lly, give pertinent		Permit Agent		DATE June	9, 1989	
N ABOVE SPACE DESCRIBE one. If proposal is to o reventer program, if any 4. SIGNED C James	A Rulef	lly, give pertinent	?LE	Permit Agent		DATE JUNE	9, 1989	
ABOVE SPACE DESCRIBE one. If proposal is to o reventer program, if any 4. SIGNED	A. Rhauf	lly, give pertinent	°LE			DATE JUNE	9, 1989	
N ABOVE SPACE DESCRIBE one. If proposal is to o reventer program, if any 4. SIGNED O James	A. Rhauf	lly, give pertinent	°LE	Permit Agent		DATE June	9, 1989	

United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ubmit to A	ppropriate
district Offi	ce
tate Lease -	- 4 copies

JISTRICT III

merato

)<u>ISTRICT I</u> '.O. Box 1980, Hobbs, NM 88240

<u>21STRICT II</u> 20. Drawer DD, Artesia, NM 88210

000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION P.O. Box 2088

State of New Mexico

Energy, Minerals and Natural Resources Department

Santa Fe, New Mexico 87504-2088



WELL LOCATION AND ACREAGE DEDICATION PI

All Distances must be from the outer boundaries of the section

sperator				Lease				- The	Well NO.	
GREAT	WESTERN	DRILLING	COMPANY		QUAIL	FEDERA	AL		4	
Init Letter D	Section 22	Township (5 South	Range	25 Eas	st	NMPM	ounty C	Chaves	
Actual Footage Loc	ation of Well:			.d			NMPNI	· · · · · · · · · · · · · · · · · · ·		
660	feet from the	North	line and		660		fect from the	Wes	t line	
Ground level Elev.	Pro	ducing Formation		Pool				· · · · · · · · · · · · ·	Dedicated Acreage:	
3933.3		Abo			Pecos	Slope	Abo		160 Acm	es

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.?

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 neccessary.

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.



BLOWOUT PREVENTOR SKETCH







SUPPLEMENTAL DRILLING DATA

GREAT WESTERN DRILLING COMPANY WELL #4 QUAIL FEDERAL 660' FNL & 660' FWL SEC. 22-6S-25E CHAVES COUNTY, NEW MEXICO



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

San Andres	595'	Tubb	3035'
Glorietta	16151	Abo	3670'

3. ANTICIPATED POROSITY ZONES:

Water	50-150', 595-680'
011	1015-1230'
Gas	3710-4070 '

4. CASING DESIGN:

Size	Interval	<u>Weight</u>	Grade	Joint	Condition
10 3/4"	0 - 940'	32.75#	K-55	STC	New
4 1/2"	0 - 4250'	9.5 #	K-55	STC	New

- 5. <u>SURFACE CONTROL EQUIPMENT</u>: 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. <u>ANTICIPATED STARTING DATE</u>: It is planned that operations will commence about June 26, 1989. Duration of drilling, testing, and completion operations should be 2 to 5 weeks.





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