

Form 3160-3
(November 1983)
(formerly 9-331C)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☒GAS WELL ☐OTHER ☐SINGLE ZONE ☒MULTIPLE ZONE ☐

2. NAME OF OPERATOR

Mobil Producing Texas & New Mex., Inc.

3. ADDRESS OF OPERATOR

P. O. Box 633, Midland, Texas 79702

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

At surface

1950' FSL & 1980' FWL, Sec. 23, T-18-S, R-32-E

At proposed prod. zone

same as surface

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

13 miles west of Buckeye, New Mexico

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

630'

16. NO. OF ACRES IN LEASE

40

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

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

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19. PROPOSED DEPTH

9,500'

20. ROTARY OR CABLE TOOLS

Rotary

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

3770'

22. APPROX. DATE WORK WILL START*

ASAP

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	700'	924 cu ft circulate to surface
12-1/4"	8-5/8"	32#	4800'	2640 cu ft circulate to surface
7-7/8"	5-1/2"	15.5#	9500'	2513 cu ft circulate to 4600'

CEMENTING PROGRAM

- 1) 700 sx Class C + 2% CaCl₂
- 2) 1700 sx Class C + 100 scf/bbl Nitrogen + 1.5% Foamer + .75% Foam Stabilizer, 300 sx Class C Neat
- 3) 1400 sx TLW + 0.8% Fluid loss additive + 0.2% Retarder 300 sx Class n Neat

LOGGING PROGRAM

CNL-LDT-GR-CAL 4800-Surf.
DDL/DIL-MLL-GR CAL-TD-4800'
BHC Sonic GR CACL -TD-4800'

MUD PROGRAM

BLOWOUT PREVENTER PROGRAM

Depth	Mud Type	Mud Weight	Viscosity	Water Loss	PH	(See Attached)
0- 700'	FW-Spud	8.8- 9.4	32-40	NC	8.5-9.0	
700-4800'	BW	9.8-10.4	32-40	NC	9.0-9.5	
4800-8300'	FW	8.4- 8.8	30-36	NC	9.0-9.5	
8300-9500'	FW-Gel	8.6- 9.2	32-40	+20	9.0-9.5	

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 C.C. Smith for M.E. SweeneyTITLE Env. & Reg. ManagerDATE 8-13-86

(This space for Federal or State office use)

PERMIT NO.

Orig. Sgd. Charles S. Deaton

APPROVAL DATE

Area Manager

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-102
Revised 10-1-78

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

Operator Mobil Producing Texas and New Mexico, Inc.		Lease GOVERNMENT "K"		Well No. 2
Unit Letter K	Section 23	Township 18 S.	Range 32 E.	County Lea
Actual Footage Location of Well: 1980 feet from the West line and 1950 feet from the South line				
Ground Level Elev. 3770'	Producing Formation Upper Bone Spring	Pool Querecho Plains	Dedicated Acreage: 40 Acres	

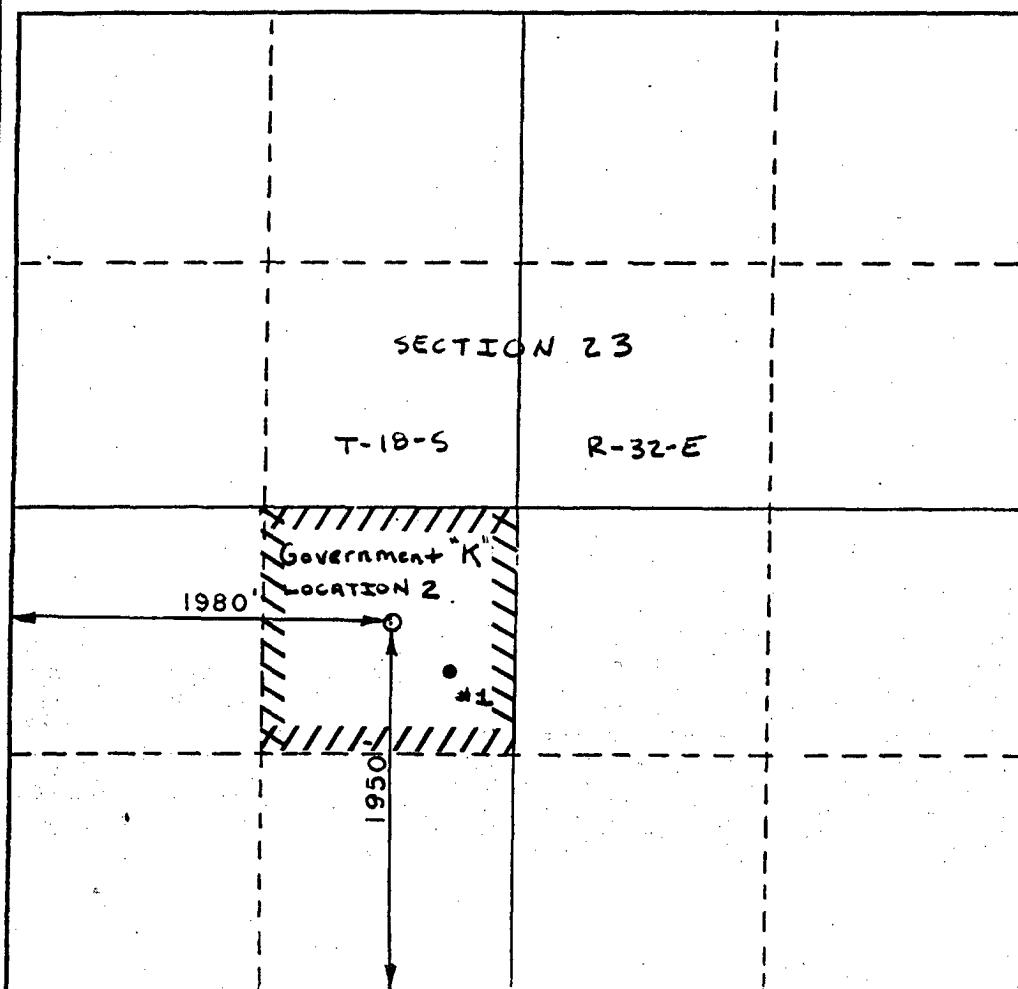
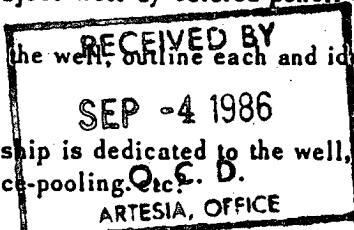
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the 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.

C.C. Smith, Jr.
Name

M. E. Sweeney
Position

Env. & Reg. Manager
Company

Mobil Producing TX & NM, Inc.
Date

August 13, 1986

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

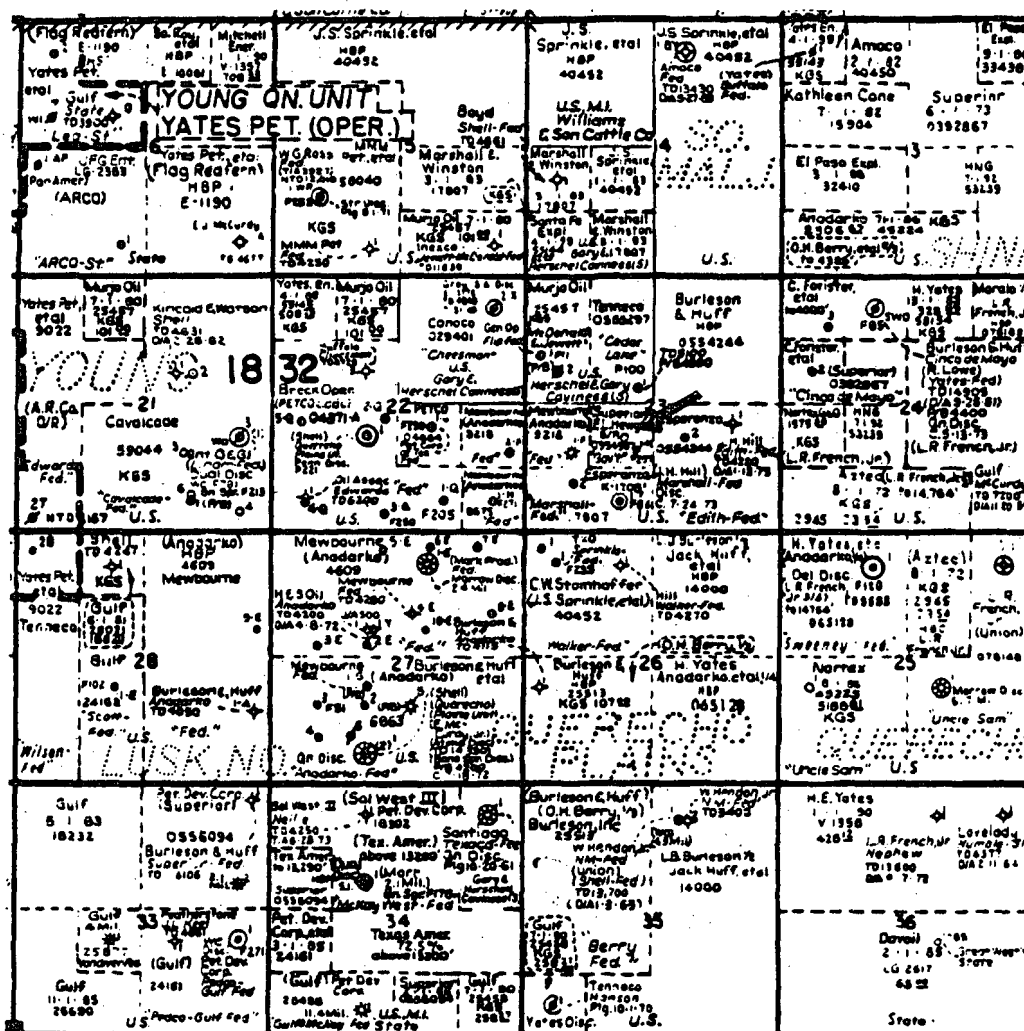
July 24, 1986

Registered Professional Engineer
and/or Land Surveyor

Certificate No. 51071

AF 32658A

R - 32 - E



T-18-S

$$1'' = 4,000'$$

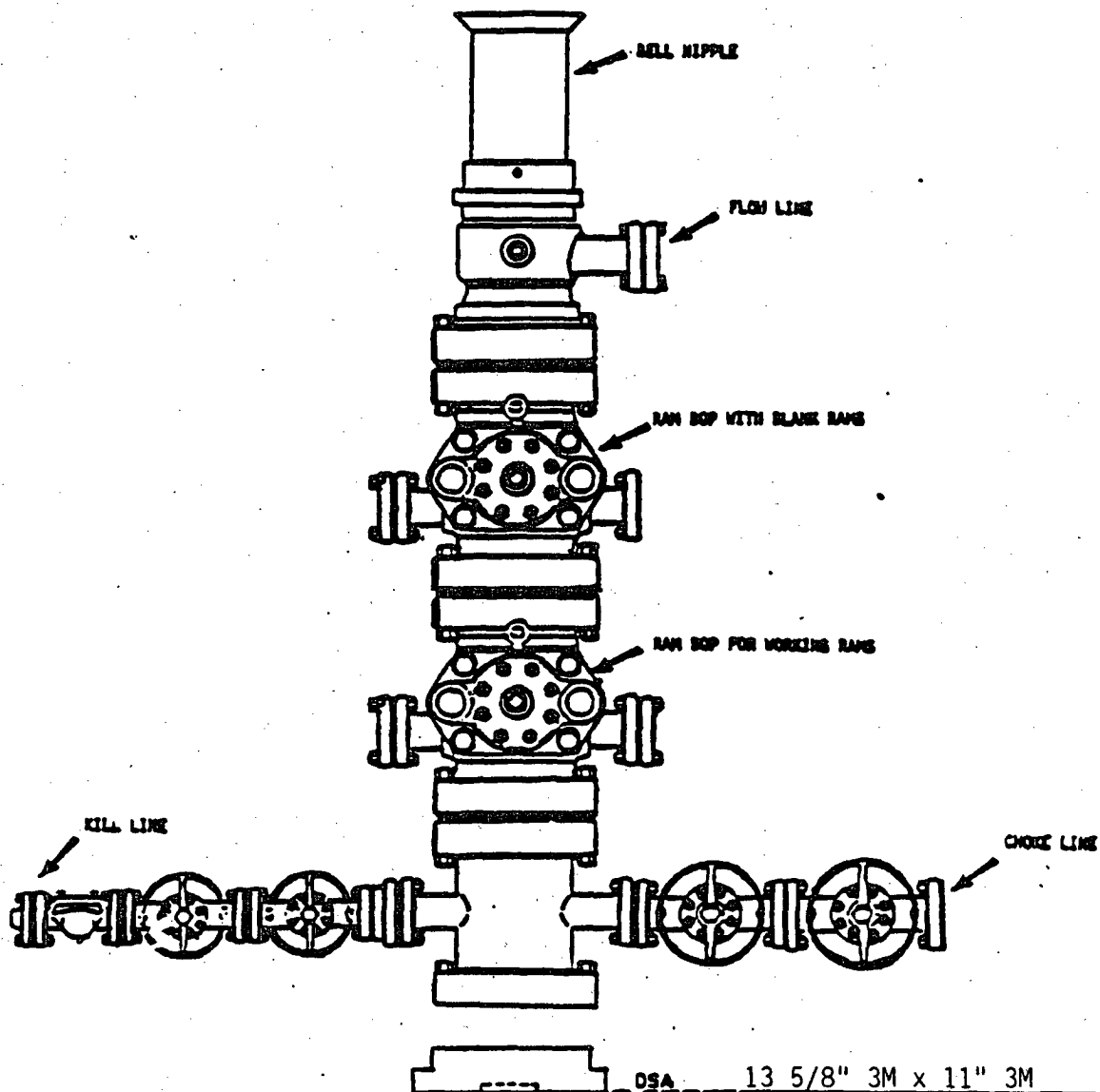
LEASE & WELL NO.: Government "K", Well #2

LOCATION: 1980 FWL, & 1950 FSL, Sec. 23, T-18-S, R-32-E, Lea Co., NM

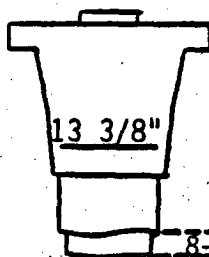
EXISTING WELL(S) IN SAME QUARTER-QUARTER SECTION:

OPERATOR: Earnie L. Hegwer

LEASE & WELL NO.: Government "K" #1 (Querecho Plains Queen Field)



CASING
HEAD



FLANGE 13 5/8" 3M

13 3/8" 48 ppf H40

8-5/8" 32 ppf K55

*NOTE: ALL VALVES ARE METAL-TO-METAL SEAL AND FLANGED. ALL COMPONENTS MUST MEET ABOVE MINIMUM PRESSURE RATINGS. ALL COMPONENTS TO BE TESTED TO RATED PRESSURE AFTER ASSEMBLY AND BEFORE FURTHER DOWNHOLE OPERATIONS MAY BE CONDUCTED.

**Mobil Producing
Texas & New Mexico Inc.**

MOBIL NO. 2 Government "K"

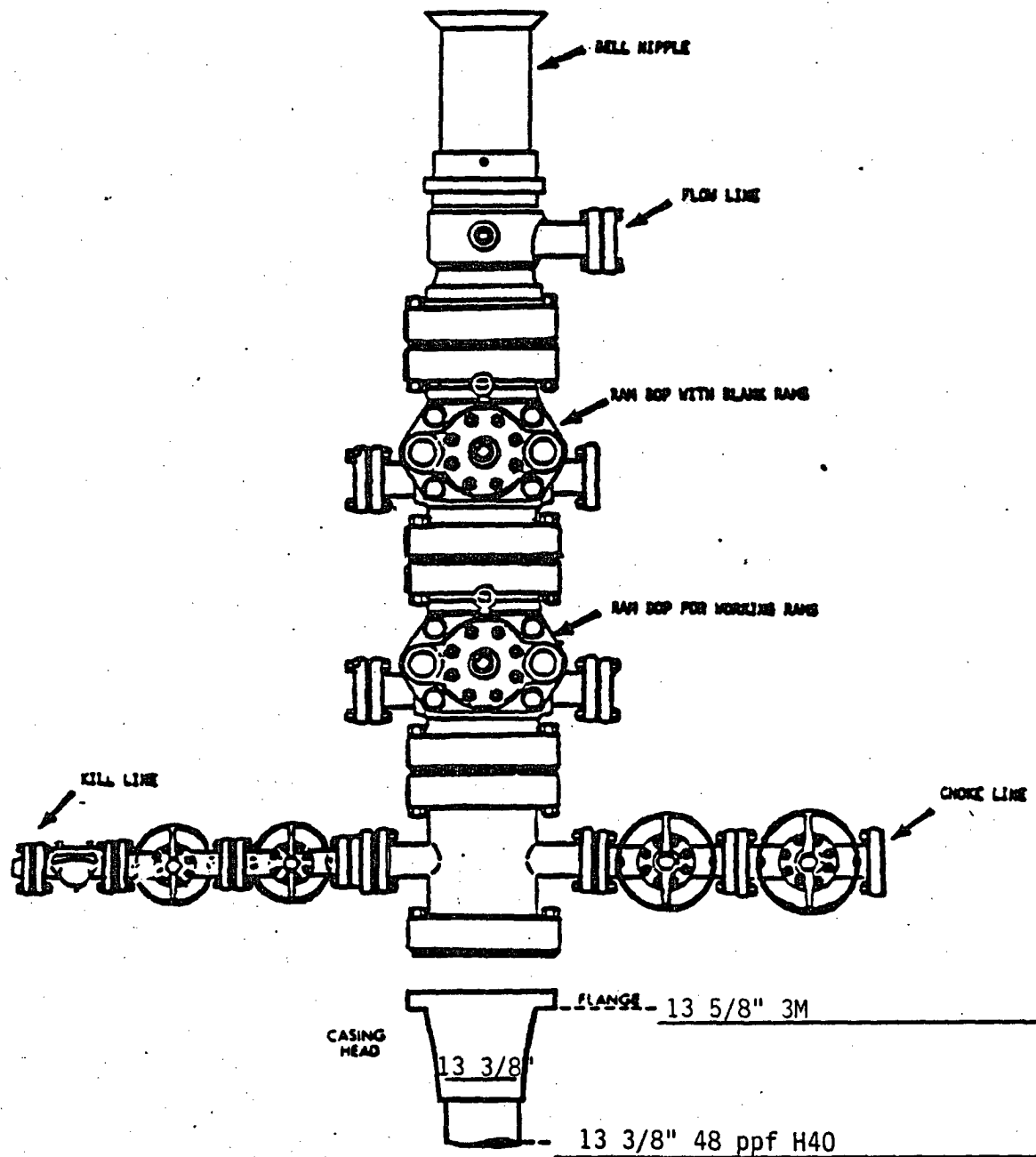
(LEASE)

Lea COUNTY, New Mexico STATE

BLOWOUT PREVENTER ASSEMBLY

Scale

Date
Drawn
Checked
Approved
Revised



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