

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

General Exploration Company

3. ADDRESS OF OPERATOR

4219 Sigma Road, Dallas, Texas 75240

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

At surface

990' FWL & 1550' FNL, Sec. 11, T-8-S, R-37-E

At proposed prod. zone

Same

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

6 miles west from Bledsoe, Texas

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

990'

16. NO. OF ACRES IN LEASE

1920

17. NO. OF ACRES ASSIGNED

320

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

4755'

19. PROPOSED DEPTH

9000'

20. ROTARY OR CABLE TOOLS

Rotary

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

GR

4043.5

22. APPROX. DATE WORK WILL START*

When approved & drilling
rig located.

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#	+ 350'	400 sx.
12 1/4"	8 5/8"	28# & 32#	+ 3750'	(Cmt bottom w/500sx, run Stage tool 50' below base of anhydrite & cir- culate cmt to surface)
7 7/8"	4 1/2"	11.6#	+ 9000'	500 sx.

Drill and set surface and intermediate casing as above. Drill to Montoya
@ + 9000' and test. If commercial in either Montoya or Wolfcamp, run and set production
casing. Install 5000 psi BOPE after setting 8 5/8" casing.

Anticipated tops:

Yates 2520'

Clearfork 5610'

Granite 8760'

San Andres 3710'

Tubb 6270'

Glorietta 5015'

Abo 7010'

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

W.P. Fitter

TITLE

Petroleum Engineer

DATE

December 20, 1976

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
AS AMENDED

FEB 3 1977

BERNARD MOROZ
ACTING DISTRICT ENGINEER

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

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OIL CONSERVATION COMM.
HARRIS, N. M.

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

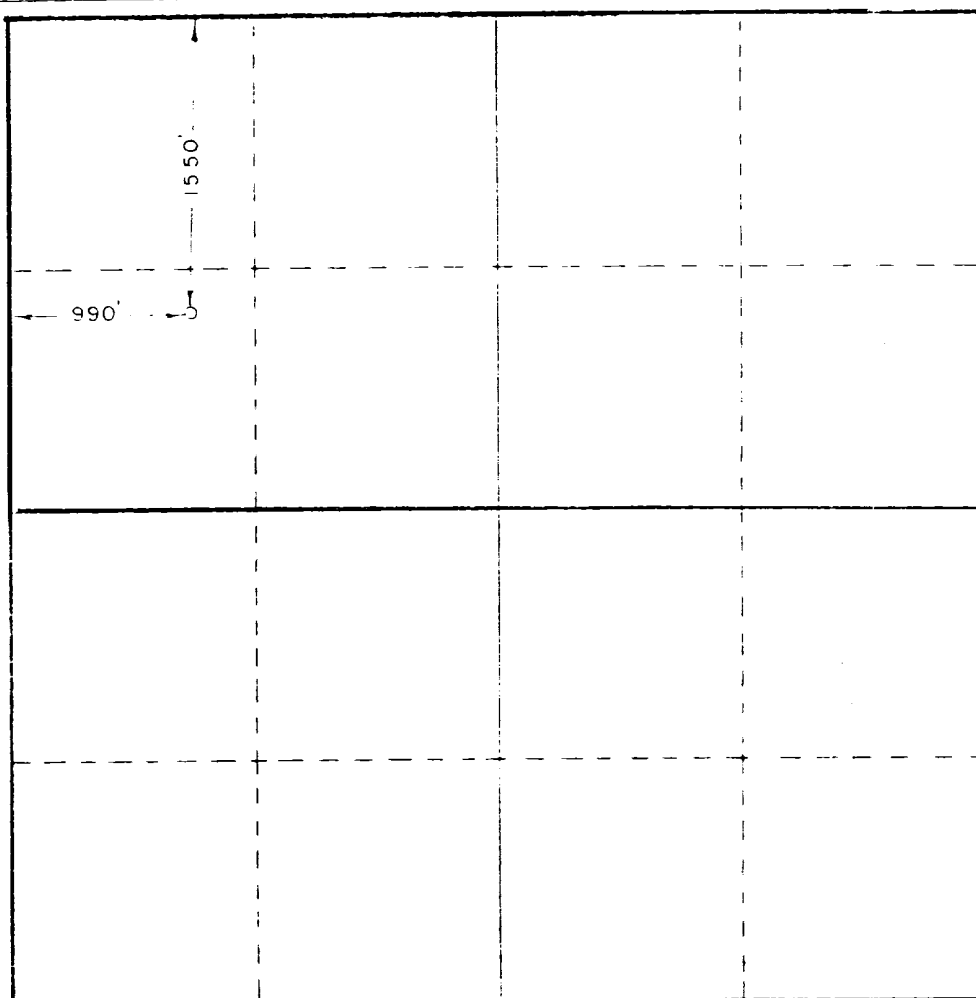
GENERAL EXPLORATION COMPANY			Lease Kirkpatrick-Federal		Acres 8
Section E	Section 11	Township 8 South	Range 37 East	County Roosevelt	
Actual Well Location of Well:					
1550 feet from the north line and		990 feet from the west line			
Ground Level Elev. 4043.5	Producing Formation WOLF CAMP		Pool	Dedicated Acreage 320 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 Commission.



CERTIFICATION

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

William P. Foster

Name William P. Foster

Position Petroleum Engineer

For General Exploration Company

Date October 20, 1976

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 Oct. 17, 1976

Registered Professional Engineer and Land Surveyor

John W. West

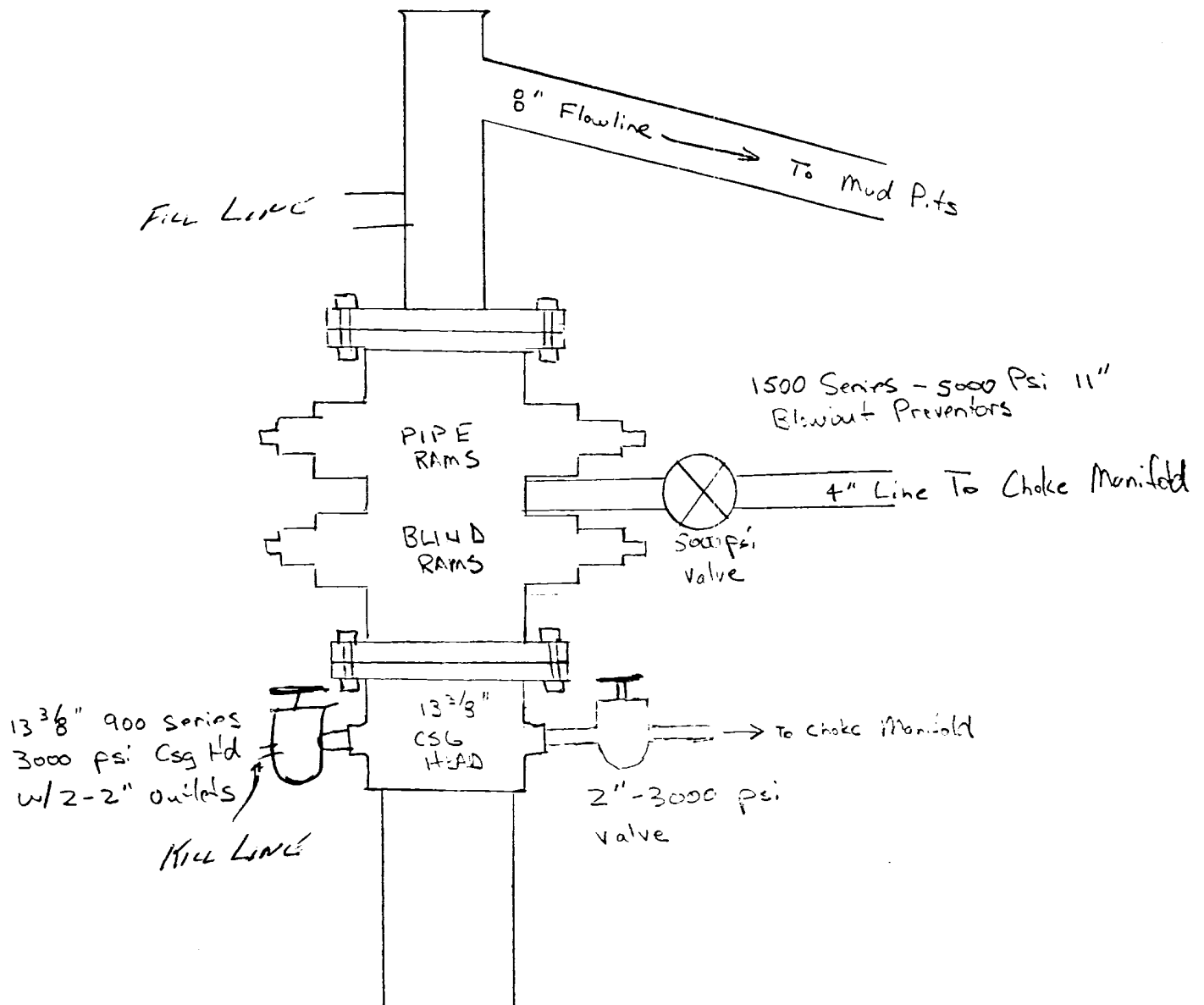
Certificate No.

676

330 560 90 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600 6930 7260 7590 7920 8250 8580 8910 9240 9570 9900

Blowout Preventor Hookup

13^{3/8}" Csg



REMOVED

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OIL CONSERVATION COM. HOBBS, N. M.

BLOWOUT PREVENTOR HOOKUP

8 5/8" Csg

Fill
LINE

8" Flowline → To Mud Pits

3000
psi
Hydril

PIPE
RAMS

BLIND
RAMS

1500 Series - 5000 Psi 11"
Blowout Preventors

5000 psi
valve

4" Line To Choke Manifold

Spool
3000 psi

5000 psi
Valve

2" Line To Choke Manifold

13 3/8" 900 Series
3000 psi Csg Hd
w/ 2-2" outlets

13 3/8"
CSG
HEAD

W.P. Foster

11-11-77

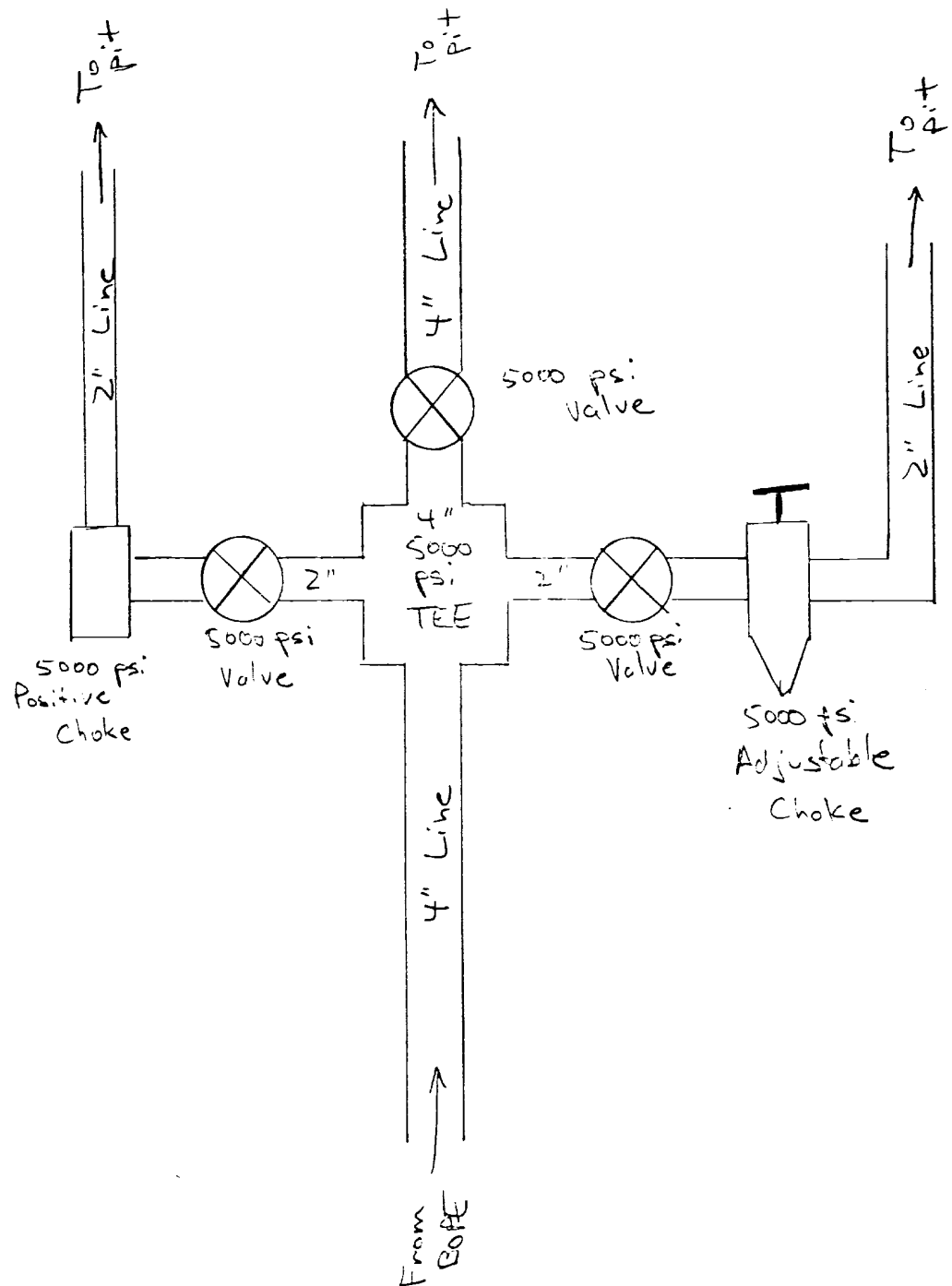
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CIL CONSERVA. CH COMM.
HOBBS, H. M.

Choke Manifold

5000 psi



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U.S. DEPARTMENT OF JUSTICE
FEDERAL BUREAU OF INVESTIGATION

CASING DESIGN
KIRKPATRICK FEDERAL #8

13 3/8"	0-350'	48#	H-40	ST&C
8 5/8"	0-2700'	24#	K-55	ST&C
	2700-3750'	32#	K-55	ST&C
5 1/2"	0-6000'	9.5#	K-55	ST&C
	6000-8200'	10.5#	K-55	ST&C
	8200-9000'	11.6#	K-55	ST&C



DIRECTOR
JOE D. RAMEY

OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO
P. O. BOX 2088 - SANTA FE
87501

LAND COMMISSIONER
PHIL R. LUCERO



STATE GEOLOGIST
EMERY C. ARNOLD

December 9, 1976

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General Exploration Company
4219 Sigma Road
Dallas, Texas 75240

Attention: Mr. W. P. Foster

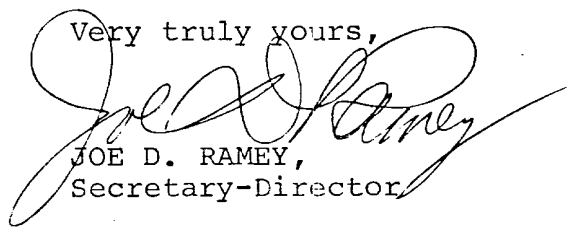
Administrative Order NSL-815

Gentlemen:

Reference is made to your application for approval of a non-standard location for your Kirkpatrick Federal Well No. 8 to be located 1550 feet from the North line and 990 feet from the West line of Section 11, Township 8 South, Range 37 East, NMPM, Wolfcamp and Montoya Formations, Roosevelt County, New Mexico.

By authority granted me under the provisions of Rule 3B of Order No. R-2051, the above-described unorthodox location is hereby approved.

Very truly yours,


JOE D. RAMEY,
Secretary-Director

JDR/JEK/dr

cc: Oil Conservation Commission - Hobbs
Oil & Gas Engineering Committee - Hobbs
U. S. Geological Survey - Hobbs

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OIL CONSERVATION COM. P.
HOBBS, N. M.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN
GENERAL EXPLORATION COMPANY
KIRKPATRICK FEDERAL #8
990' FWL & 1550' FNL, SEC. 11, 8-S, 37E
ROOSEVELT COUNTY, NEW MEXICO
LEASE NM-041698-A

This plan is submitted with the Application for Permit to Drill the above described well. The purpose of the plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of necessary surface disturbance involved, and the procedures to be followed in rehabilitating the surface after completion of the operation so that a complete appraisal can be made of the environmental effects associated with the operation.

1. EXISTING ROADS

A. Exhibit A is a highway map showing the location of the proposed well and access roads to the well. An existing road turns north from Highway 262 $4\frac{1}{2}$ miles west of the Texas-New Mexico border and continues to the abandoned location of the Kirkpatrick #3. Exhibit B is a road map showing the location of the Kirkpatrick Federal #8 with respect to the general vicinity.

B. Exhibit C is a plat showing all existing roads within a one mile radius of the wellsite.

C. The existing lease road is in fairly good condition but necessary repairs will be made. Repairs will consist of bringing the road within standards of twelve feet wide and six inches of caliche which will be watered and compacted.

2. PLANNED ACCESS ROADS

A. Access Roads - No new access roads will be required. The #8 location will adjoin the old location and only the repairs as set out in 1-C will be necessary.

B. Turnouts - One passing turnout will be constructed approximately one-half mile north of the turnoff from Highway 262. The turnoff will increase the width of the new road to 20 feet for a distance of 30

C. Miscellaneous - No culverts or gates will be required. A cattle-guard will be installed approximately one-fourth mile north of Highway 262.

3. LOCATION OF EXISTING WELLS

A. All existing wells within a one mile radius are shown in Exhibit D.

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HOBBES, J. M.

4. LOCATION OF PROPOSED FACILITIES

A. If the proposed well is completed as a producer, production facilities will be installed as set out in Exhibit D. Exact surface facilities cannot be designed until the well is completed and the proposed battery is approximate. The tank battery will be installed on the pad used for drilling and on the old pad south of the Kirkpatrick Federal #8.

5. LOCATION AND TYPE OF WATER SUPPLY

A. Water for drilling the Kirkpatrick Federal #8 will be obtained from commercial sources and will be transported to the location by commercial haulers.

6. SOURCE OF CONSTRUCTION MATERIALS

A. Caliche for repairing the existing road and for building the drilling pad will be obtained from an existing pit in the SE $\frac{1}{4}$ of Sec. 10, 8-S, 37-E as shown in Exhibit C. The pit is on land owned by Mr. Perkins and approval has been obtained to use the caliche.

7. METHODS OF HANDLING WASTE DISPOSAL

A. Drill cuttings will be disposed of in the drilling pits.

B. Drilling fluids will be allowed to evaporate in the drilling pits until pits are dry.

C. Water produced during tests will be disposed of in the drilling pits. Oil produced during tests will be stored in test tanks until sold.

D. Current laws and regulations pertaining to the disposal of human waste will be complied with.

E. Trash, waste paper, garbage, and junk will be buried in a separate trash pit and covered with a minimum of 24" of dirt. All waste material will be contained to prevent scattering by wind. Location of trash pit is shown on Exhibit E.

F. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES

A. None required.

9. WELLSITE LAYOUT

A. Exhibit E shows the relative location and dimensions of the well pad, mud pits, reserve pit, and location of the major rig components.

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HOBBS, N. M.

B. Only minor levelling of the wellsite will be required. No significant cuts and fills will be necessary.

C. The reserve pit will be plastic lined.

D. The pad and pit area has been staked.

10. PLANS FOR RESTORATION OF THE SURFACE

A. After completion of drilling and/or completion operations all equipment and other material not needed for operations will be removed. Pits will be filled and location cleaned of all trash and junk to leave the wellsite in an aesthetically pleasing condition as possible.

B. Any unguarded pits containing fluids will be fenced until they are filled.

C. After abandonment of the well, surface restoration will be in accordance with the agreement with the surface owner. Pits will be filled and location will be cleaned. The pit area, well pad, and all unneeded access roads will be ripped to promote vegetation. Rehabilitation should be accomplished within 90 days of abandonment.

11. OTHER INFORMATION

A. Topography - The land in the vicinity of the Kirkpatrick Federal #8 is gently rolling. The location will be on a small high area as can be seen on the attached topography map (Exhibit C).

B. Soil - Soil is sandy and very shallow with varying amounts of rocks and caliche.

C. Flora and Fauna - The vegetation is sparse and consists of some scrub mesquite and native grasses.

D. Ponds and Streams - There are no rivers, streams, lakes or ponds in the area.

E. Residences and Other Structures - The nearest residence is approximately 3/4 miles to the southwest. The nearest water is a tank located near the residence.

F. Archeological, Historical and Cultural Sites - None observed in the area.

G. Land Use - Grazing.

H. Surface Ownership - Wellsite is on ~~Federal~~ ^{FEE} surface. All required operations will be on ~~Federal~~ ^{FEE} surface.

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HOBE, N. M.

12. OWNERS REPRESENTATIVE

The field representatives responsible for assuring compliance with the approved surface use and operations plan are as follows:

Mr. Doyle Bonds
P. O. Box 993
Crossroads, New Mexico 88114
Telephone: 505-398-3488

Mr. Bill Foster
4219 Sigma Road
Dallas, Texas 75240
Telephone: Business - 214-233-2911
Residence - 214-243-3588

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge true and correct; and that the work associated with the operations proposed herein will be performed by General Exploration Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

12-23-72

Date

William P. Foster

William P. Foster

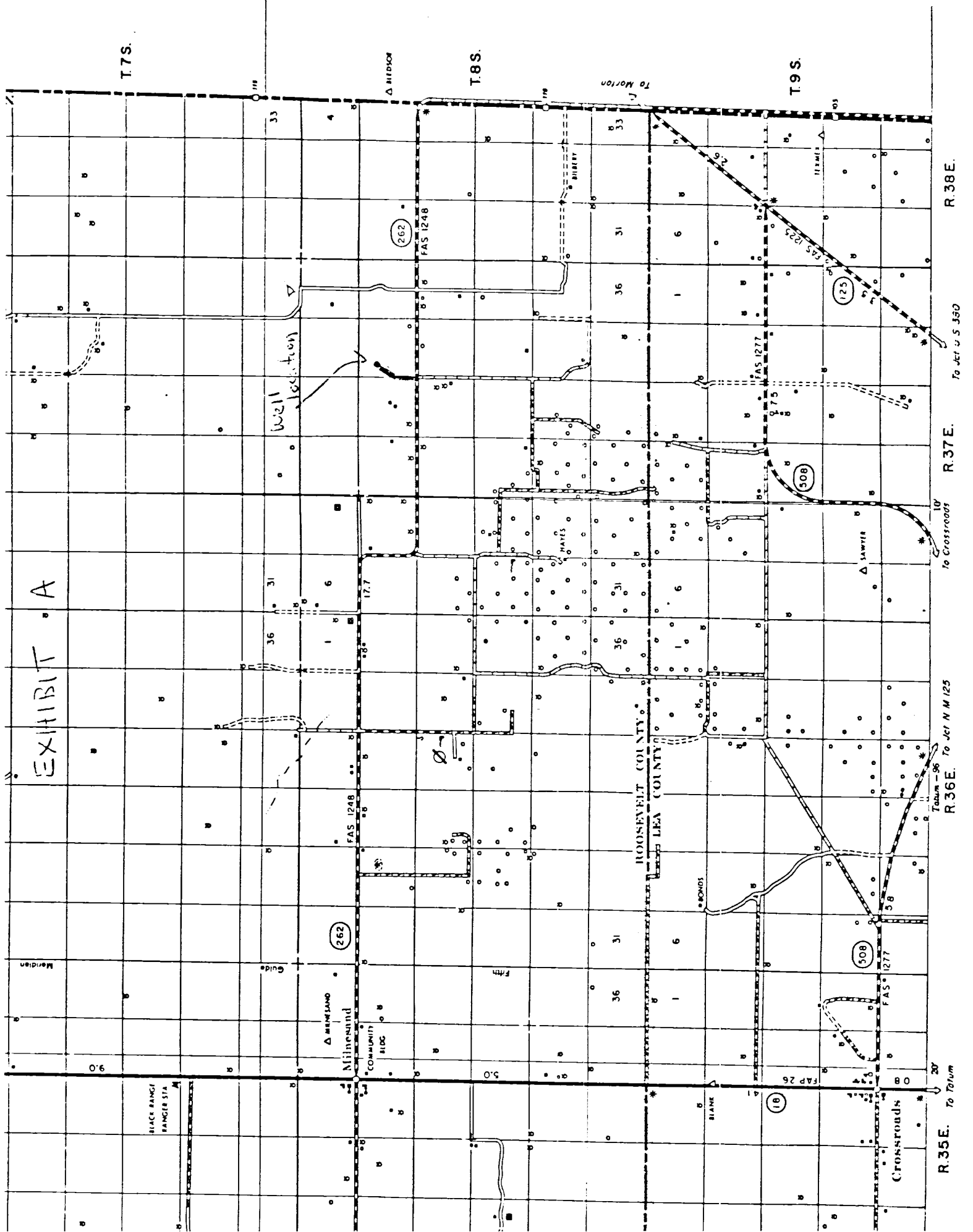
Petroleum Engineer

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OIL CONSERVATION COMM.
HOBBS, N. M.

EXHIBIT A



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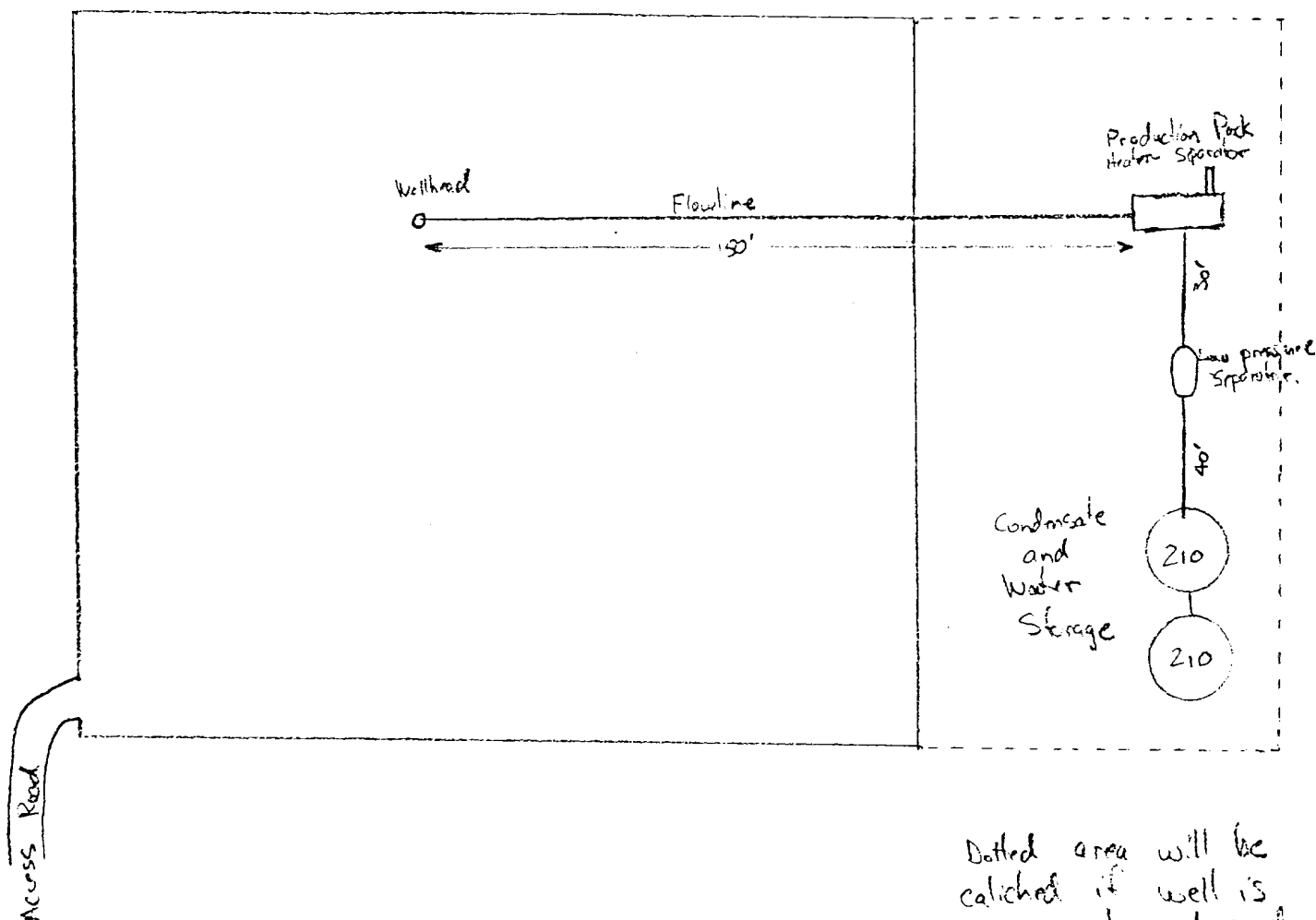
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Exhibit D

Proposed Production Facilities



Dotted area will be caliche if well is commercial and production facilities are built.

WPF

12-14-76

WPF

11-12-76

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OIL CONSERVATION COMM.
HOBBS, N. M.

U. S. GEOLOGICAL SURVEY
P. O. Box 1157
Hobbs, New Mexico 88240

HOBBS DISTRICT

General Exploration Company
No. 8 Kirkpatrick Federal
SW $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 11-8S-37E
Roosevelt County, N. M.

Above Data Required on Well Sign

CONDITIONS OF APPROVAL

1. Drilling operations authorized are subject to the attached sheet for general requirements for drilling and producing operations.
2. Notify this office (telephone (505) 393-3612) when the well is spudded and in sufficient time for a representative to witness cementing operations.
3. Immediate notice is required of all blowouts, fires, spills, and accidents involving life-threatening injuries or loss of life.
4. Secure prior approval before changing the approved drilling program or commencing plugging operations, plug-back work, casing repair work, or corrective cementing operations.
5. Blowout prevention equipment is to be installed, tested, and in working order before drilling below the surface casing and shall be maintained ready for use until drilling operations are completed.
6. A kill-line is to be properly installed and is not to be used as a fill-up line.
7. Blowout preventers are to have proper casing rams when running casing.
8. Drill string safety valve(s) to fit all pipe in the drill string to be maintained on the rig floor while drilling operations are in progress.
9. Blowout prevention drills are to be conducted as necessary to assure that equipment is operational and that each crew is properly trained to carry out emergency duties. All BOP tests and drills are to be recorded on the driller's log.
10. Operations must be in compliance with the provisions of the landowner agreement concerning surface disturbance and surface restoration.
11. 13-3/8" surface casing should be set in the Rustler Anhydrite formation and cement circulated to the surface. If surface casing is set at a lesser depth, the 8-5/8" casing must be cemented from the casing shoe to the surface, or cemented to the surface through a stage tool set at least 50 feet below the top of the Rustler, after cementing around the shoe with the proposed 500 sacks.

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OIL CONSERVATION COMM.
HOBBS, N. M.

ROOSEVELT
BROWN, H. L., JR.

Bluitt
8 Kirkpatrick-Federal
Sec 11, T8S, R37E

NM
Page #2

6-27-77 TD 9210'; Rng 5 1/2" Csg
DST (DVNN) 8981-99', open 1 hr 47 mins,
rec 280' GCM + 6510' sli GCSW. 40 min ISIP
3191#, FP 1038-3106#, 3 hr 19 min FSIP 3168#
7-5-77 TD 9210'; WOCU
7-12-77 TD 9210'; WOCU
7-19-77 TD 9210'; Tstg
Perf (WFMP) @ 8098', 8100', 8102', 8106',
8110', 8115', 8118', 8120', 8122' w/1 SPI
Acid (8098-8122') 3000 gals
7-25-77 TD 9210'; Tstg

12-2-12 NM

8-2-77 TD 9210'; Tstg
8-8-77 TD 9210'; TOP
12-5-77 TD 9210'; Complete
LOG TOPS: Rustler 2155', Yates 2550',
San Andres 3755', Abo 7028', Wolfcamp
8090', Devonian 8972'
LOGS RUN: CNL, CDL, GRL, DELL
BHT 140 deg
12-10-77 COMPLETION ISSUED

12-2-12 NM
IC 30-041-70001-17

COUNTY	ROOSEVELT	FIELD	Bluitt	STATE	NM		
OPR	BROWN, H. L. JR.			API	30-041-20430		
AC	8	LEASE	Kirkpatrick-Federal	MAP			
	Sec 11, T8S, R37E			COORD			
	1550' FNL, 990' FWL of Sec			12-2-12 NM			
	3 mi E/Bluitt			SPD	5-16-77		
				CMP	9-29-77		
CSC	12 3/4" at 359' w/425 sx 8 5/8" at 3180' w/800 sx 5 1/2" at 9210' 2/500 sx			WELL CLASS: INIT D FIN DO ILEV L & S			
				FORMATION	DATUM	FORMATION	DATUM
	TD 9210' (DVNN)			PRD			

IP (Wolfcamp) Perfs 3098-8122' P 18 BOPD + 26 BW. Pot based on 24 hr test. GOR 1027; gty 47.3

CONTR	Norton	OPRSELEV	4036' GL	DO	9000' RT
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F.R. 2-14-77
(Wolfcamp)

12-10-77 AMEND OPERATOR: Formerly reported as General Exploration Co.

2-21-77 AMEND OPERATOR: Formerly reported as General Operating Co.

5-23-77 Drlg 3780'

5-31-77 Drlg 6524'

6-7-77 Drlg 7692'

6-14-77 Drlg 8444'

DST (WFMP) 8089-8137', open 2 hrs 11 mins, rec 279' sli GCM (Sampler rec 1600 cc's GCM + .55 CFG), 1 hr 7 min ISIP 357#, FP 129-143#, 1 hr 30 min FIS 457#, HP 4123#, BHT 151 deg

6-21-77 Drlg 8930'

12-2-12 NM