30-015-26958

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: NM 67975

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: None

8. FARM OR LEASE NAME: Falstaff Federal

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Wildcat (Delaware)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 8, T-21-S, R-25-E

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER — SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Robinson Resource Development Co., Inc.

RECEIVED
FEB 17 1992
O. C. D.
ARTESIA, OFFICE

3. ADDRESS OF OPERATOR: P.O. Box 1227, Roswell, NM 88202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 2310 FNL and 2310 FWL Sec. 8, T-21-S, R-25-E N.M.P.N.
At proposed prod. zone: Unit F

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Approx. 10 miles northwest Carlsbad, New Mexico

12. COUNTY OR PARISH: Eddy

13. STATE: NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
330	160	40
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
	3000	Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 3416 GR

22. APPROX. DATE WORK WILL START*: March 1, 1992

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24#	350	225 sx circulated
7 7/8	4 1/2	9.5#	3000	450 sx circulated

Mud program: (See Exhibit 'C') SES
0 - 350 Fresh water spud mud
350 - 3000 Cut brine water gel mud (max. salinity 26,000 PPM CL) 8-8.6# gallon

Operation proposal: Drill with rotary to 3000' into Bone Spring, run electrical logs and if oil pay is encountered, run 4 1/2" production casing and complete through perforations.

Estimated formation tops: Queen 550, Grayburg 850, San Andres 1300, Delaware Sands 1900, Bone Spring 2900

Post ID-1
2-28-92
Rec'd & APD

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 [signature] TITLE President DATE 1/23/92

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY [signature] for TITLE AREA MANAGER DATE 2-19-92

CONDITIONS OF APPROVAL, IF ANY:
APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

*See Instructions On Reverse Side

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator			Lease		Well No.
ROBINSON RESOURCE DEVELOPMENT CO.			FALSTAFF FEDERAL		1
Unit Letter	Section	Township	Range		County
F	8	21 SOUTH	25 EAST	NMPM	EDDY COUNTY, NM

Actual Footage Location of Well:
2310' feet from the NORTH line and 2310 feet from the WEST line

Ground level Elev.	Producing Formation	Pool	Dedicated Acreage:
3416.	Delaware	Wildcat	40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

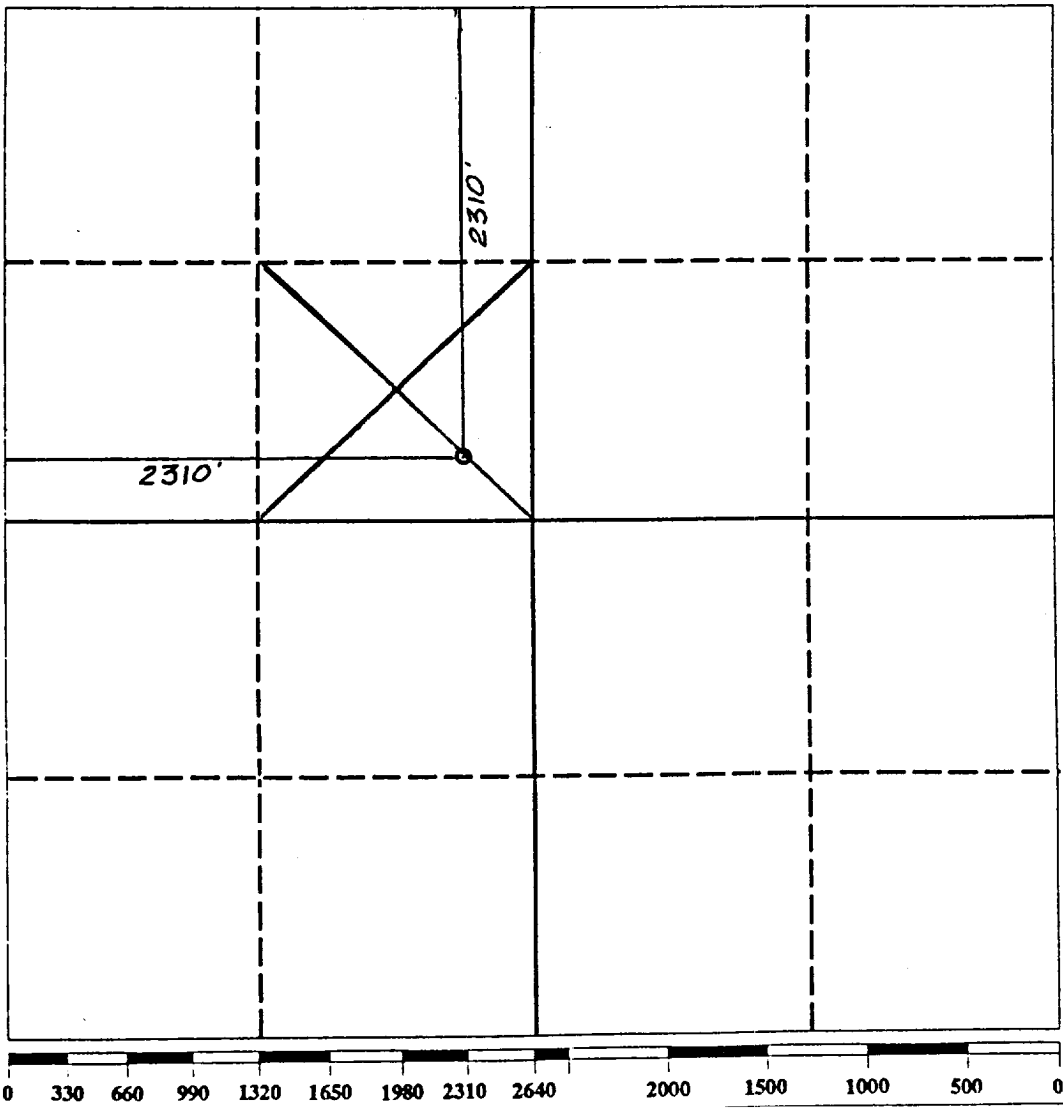
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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



OPERATOR CERTIFICATION

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

Signature

Printed Name
M. L. Robinson

Position
President

Company
Robinson Resource Development Co., Inc.

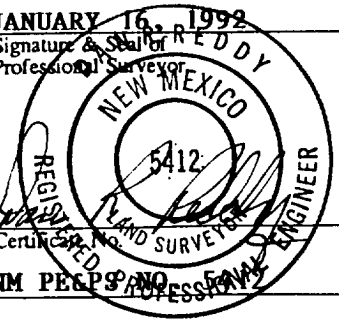
Date
January 16, 1992

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
JANUARY 16, 1992

Signature & Seal of Professional Surveyor



Certificate No.
NM PE&PS NO. 5412

APPLICATION FOR PERMIT TO DRILL
ROBINSON RESOURCE DEVELOPMENT CO., INC.
FINLSTAFF FEDERAL #1
2310 FNL & 2010 FWL
SEC. 8, T-21 S, R-25-E, NMPM

In conjunction with Form 9-331 C, Application for Permit to Drill, Robinson Resource Development Company submits the following items of pertinent information in accordance with Onshore Oil & Gas Order Nos. 1 & 2, and with all other applicable federal and state regulations.

1. The geologic surface formation is Quaternary Alluvium.

2. Estimated tops of geologic markers are as follows:

Queen	550'
Grayburg	850'
San Andres	1300'
Delaware Sands	1900'
Bone Spring	2900'

3. The estimated depths at which water, oil, or gas formations are expected to be encountered:
* - Water: 140' to 300'
** - Oil: Delaware: 1900'-2900'
*Groundwater to be protected by 8 5/8" surface casing with cement circulated to the surface.
**Potentially productive horizon to be protected by 4 1/2" production casing with cement circulated back to surface.

4. Proposed Casing Program: See Form 9-331-C and Exhibit F.

5. Pressure Control Equipment: See Exhibit E.

6. Mud Program: See Exhibit D.

7. Testing, Logging, and Coring Programs:
-Two DSTs are anticipated in Delaware Sands
-Logging:
Mudlogging unit from 850' to 3000'.
-Electric Logs:
Dual Induction Laterolog
Compensated Neutron Formation Density
-No Coring is anticipated.

8. No Abnormal Pressures, Temperatures, or Hydrogen Sulfide Gas are anticipated.
-Lost circulation may occur in the surface interval of the hole.

9. Anticipated Starting Date: March 1, 1992 Approximately.

Summary

Drilling, Casing, and Cementing Program

1. Drill 12 1/4" hole to 830'±. Will be in Quaternary Alluvium at surface and anticipate might encounter some lost circulation.

2. Cement 9 5/8", 24# J-55 casing with 405 sx. Halliburton Premium Plus with 2% calcium chloride. Run guide shoe with an insert float valve in top of shoe joint. Use one wooden plug to displace cement to surface.

3. Nipple up and install BOP's. Test casing to 600 psi after 18 hours and drill out cement.

4. Drill 7 7/8" hole to 8000'± in Bone Spring. Formally run two drillstem tests in Delaware Sands below 1700' or intervals to be determined based on mud log shows, drilling time, or wireline logging.

5. Cement 4 1/2", J-55 casing with 950 sx. Halliburton Lite Premium Plus, 50 sx. Premium Plus, and 50 sx. POZ Mix with salt, CFR3, and Halad 4 additives. Run guide shoe and insert float on bottom joint, and 8 centralizers. Use one wooden plug to displace cement to surface.

6. Nipple up and install BOP's. Test casing to 1500 psi for 30 minutes after WOC 18 hours and drill out cement.

7. Perforate 4 1/2" casing in oil pay. Stimulate with oil frac treatment and complete well.

EXHIBIT 1, OPERATIONS SUMMARY

Robinson Resource Development Co.
Falstaff Federal #1
2310 FNL & 330' FWL
Sec. 8, T-21-S, R-25-E; NMPM

Drilling Mud Program

Surface: Spud with fresh water spud mud. Possibly add paper and fiber sweeps to combat seepage and lost circulation. If complete loss of circulation occurs, we will drill "dry" to our surface casing target of 350'.

Production: Drill out from under surface csg. with cut brine water gel (maximum salinity 26,000 PPM Cl) having 35-45 sec viscosity, 20-30 cc water loss, and 8.6-8.8# per gallon mud weight to 3000', and possibly then pump a viscous pill to condition a good cement bond up to surface.

This drilling fluids program was discussed fully with Messrs. Shannon Shaw and Ed Talley of the Carlsbad Resource Management Office on January 16, 1990, and it was determined that the use of cut brine mud below the surface casing would not constitute a contaminant risk to the fresh water aquifers of the Capitan Reef complex:

1) the well is located in the Northeastern Shelf geological province north of the Capitan Reef

2) all porosity could be penetrated in an adjacent dry hole (7500' to the north encountered very high salinities below the base of the gravel at 300').

EXHIBIT D: DRILLING FLUIDS

Robinson Resources Development Co.
Gulstaff Federal #1
2010 FNL & 2210 FWL
Sec. 8 T-6S R-25-E NMPM

SURFACE USE PLAN
Robinson Resource Development Co., Inc.
Felstaff Federal #1
2210 FNL & 2010 FWL
Sec. 8, T 21 S, R-28E-E; NMPM
Eddy County, New Mexico

1. EXISTING ROADS - Area map, Exhibit "A", is a reproduction of the U.S.G.S. New Mexico 7.5 minute series topographic quadrangle. Existing roads are shown on the exhibit. All roads shall be maintained in a condition equal to that which existed prior to the start of construction.

   A. Exhibit "A" shows the proposed well site as staked.

   B. From Carlsbad, New Mexico, travel north nine miles on U.S. Highway 285 to New Mexico State Highway 137 (Queens Highway). Travel southwest on Highway 137 approximately 2 miles and turn northwest onto Caliche Road and follow it about 1/4 mile to the proposed well site location.

2. PLANNED ACCESS ROADS - No new access road will be constructed; however, approximately 100' of driveway from access road north edge to drilling pad will be required.

   A. If needed, existing road will be patched with caliche obtained from a local source. Driveway will be surfaced with local caliche, as needed.

   B. A cattleguard will be placed at the highway entrance to the access road in accordance with the surface lessee's requirements. The road has been constructed to utilize low water crossings for drainage as required by the topography.

3. LOCATION OF EXISTING WELLS IN A ONE MILE RADIUS

   A. Water wells - 3000' north, northeast of proposed location.

   B. Disposal wells - None known.

   C. Drilling wells - None

   D. Producing wells - None

   E. Abandoned wells - As shown on Exhibit "A"

4. If, upon completion, the well is a producer, Robinson Resource Development Co. will furnish maps or plats showing the Well Pad facilities and Off Well Pad facilities (if needed) on a Sundry Notice before construction of these facilities starts.

5. LOCATION AND TYPE OF WATER SUPPLY

Water will be purchased locally from a private source and trucked over the access roads or piped in flexible lines laid on top of the ground.

6. SOURCE OF CONSTRUCTION MATERIALS

If needed, construction materials will be obtained from the drill site's excavations or from a local source. These materials will be transported over the access route as shown on Exhibit "B".

7. METHODS FOR HANDLING WASTE DISPOSAL

A. 1. Drill cuttings will be disposed of in the reserve pit.

2. Trash, waste paper, and garbage will either be contained in a fenced trash trailer or in a designated trash area, fenced with mesh wire to prevent wind scattering during storage. When the rig moves out, all trash and debris left at the site will be contained to prevent scattering and will be taken to a landfill dump.

3. Salts remaining after completion of the well will be picked up by the supplier, including broken sacks.

4. Sewage from trailer houses will drain into holes with minimum depth of 10'00". These holes will be covered during drilling and backfilled upon completion. A "Porta John" will be provided for the rig crews. This will be properly maintained during the drilling operations and removed upon completion of the well.

5. Chemicals remaining after completion of the well will be stored in the manufacturers containers and picked up by the supplier.

D. Remaining drilling fluids will be allowed to evaporate in the reserve pit until the pit is dry enough for backfilling. In the event drilling fluids will not evaporate in a reasonable period of time, they will be transported by tank truck to a state approved disposal site.

Water produced during testing of the well will be disposed of in the reserve pit. Oil produced during testing of the well will be stored in test tanks until sold and hauled from the site.

8. ANCILLARY FACILITIES

No ramps or airstrips will be constructed.

9. WELL SITE LAYOUT

A. Exhibit "B" (Scale 1" = 40') shows the proposed well site layout.

B. This exhibit indicates proposed location of reserve and designated fenced trash area and living facilities.

C. Mud pits in the active circulating system will be steel pits and the reserve pit is proposed to be unlined, unless subsurface condition encountered during pit construction indicates that lining is needed for lateral containment of fluids.

D. If needed, the reserve pit is to be lined with PVC or polyethylene liner. The pit liner will be 6 mils thick. Pit liner will extend a minimum 3'0" over the reserve pits dikes where the liner will be anchored down.

E. The reserve pit will be fenced on three sides with four strands of barbed wire during the completion phase. The fourth side will be fenced after all operations have ceased. If the well is a producer, the reserve pit fence will be torn down. The reserve pit and those areas of the location not essential to production facilities will be reclaimed.

10. PLANS FOR RESTORATION OF SURFACE

Rehabilitation of the location and reserve pit will start in a timely manner after all drilling operations cease. The type of rehabilitation will depend on whether the well is a producer or a dry hole.

However, in either event, the reserve pit will be allowed to dry properly, and fluid removed and disposed of in accordance with Article 7.B as previously noted. The pit area will then be leveled and contoured to conform to the original and surrounding areas. Drainage systems, if any, will be reshaped to the original configuration with provisions made to alleviate erosion. These may need to be modified in certain circumstances to prevent inundation of the location's pad and surface facilities. After the area has been shaped and contoured, topsoil from the spoil pile will be placed over the disturbed area to the extent possible. Revegetation procedures will comply with BLM standards and surface lessee's requirements.

If the well is a dry hole, the pad and road area will be recontoured to match the existing terrain. Topsoil will be spread to the extent possible. Revegetation will comply with BLM standards and surface lessee's requirements.

Should the well be a producer, the previously noted procedures will apply to those areas which are not required for production facilities.

11. OTHER INFORMATION

A. The topography is of a nearly flat terrain with vegetation of sagebrush and native grass. The soils are clayey sand over caliche type.

B. The surface is used for grazing for livestock and is under B.L.M. grazing lease to Marvin J. Watts, P.O. Box 59, Carlsbad, New Mexico 88220. All surface damages have been settled with Mr. Watts.

C An archaeological study is being conducted for the location and access road. The report will be submitted separately when completed.

D. There are no buildings of any kind in the area.

12. OPERATOR'S REPRESENTATIVE - Field representative for contact regarding compliance with the Surface Use Plan is:

M. L. Robinson
P.O. Box 1287
Roswell, New Mexico 88202
(505) 623-6775

13. CERTIFICATION - I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently 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 Robinson Resource Development Co. and its contractors/subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date 1/23/92

W. L. Robinson, President
Robinson Resource Development Co.

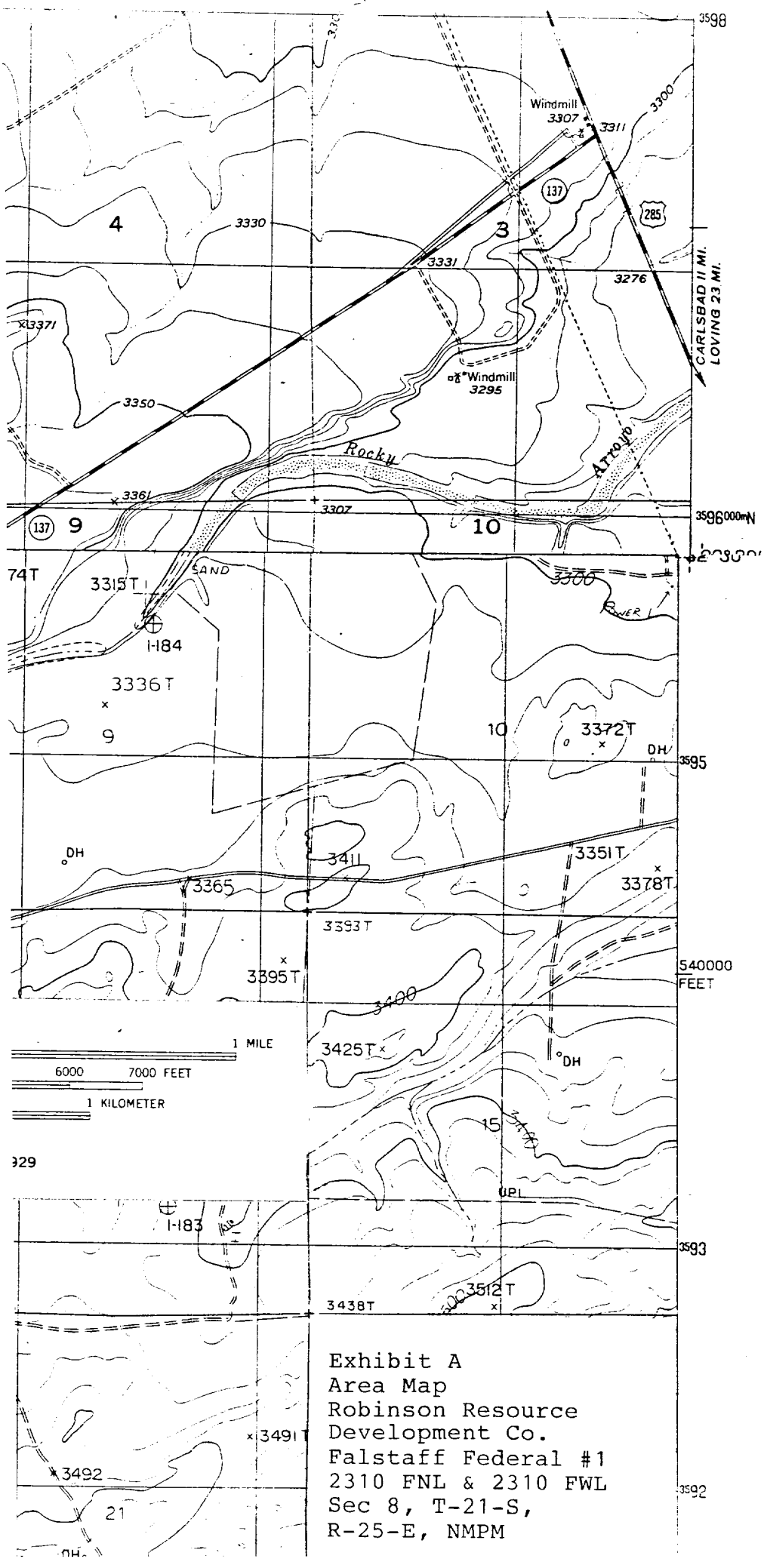


Exhibit A
Area Map
Robinson Resource
Development Co.
Falstaff Federal #1
2310 FNL & 2310 FWL
Sec 8, T-21-S,
R-25-E, NMPM

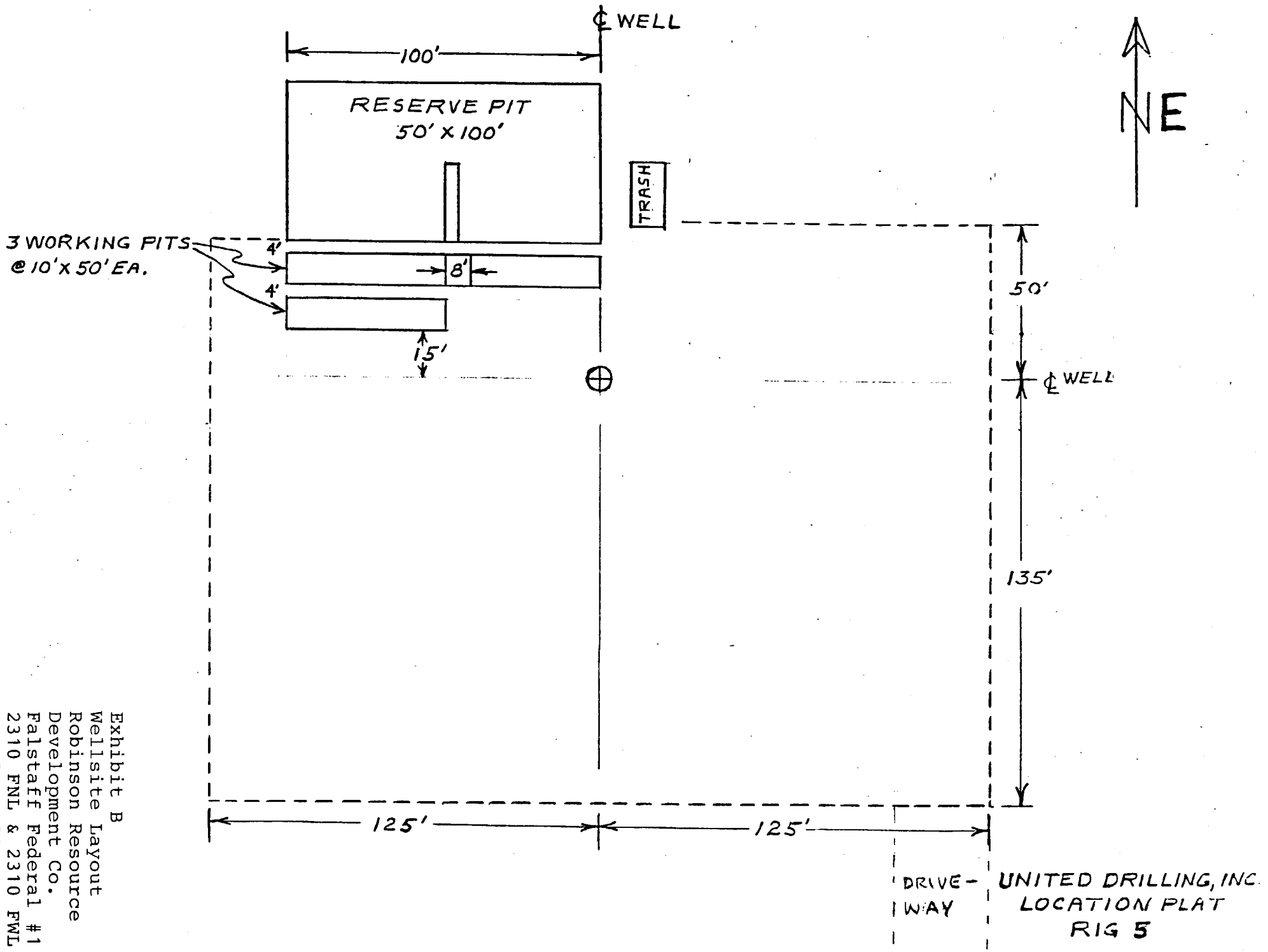
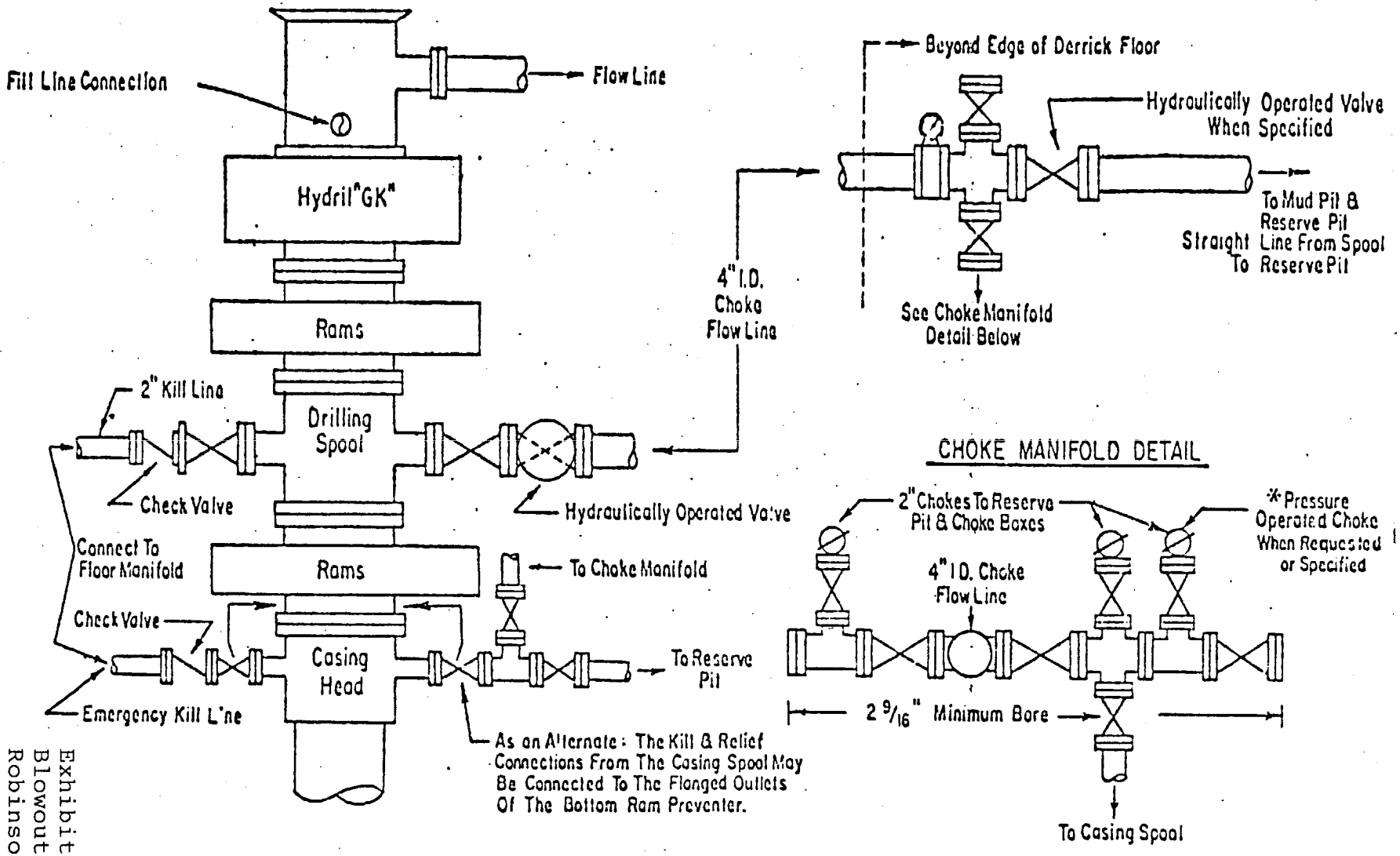


Exhibit B
Wellsite Layout
Robinson Resource
Development Co.
Falstaff Federal #1
2310 FNL & 2310 FWL
Sec 8, T-21-S,
R-25-E, NMPM



3000 PSI WORKING PRESSURE
BLOWOUT PREVENTER HOOK-UP

Exhibit E
Blowout Preventer
Robinson Resource
Development Co.
Falstaff Federal #1
2310 FNL & 2310 FWL
Sec 8, T-21-S,
R-25-E, NMPM