

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

Robinson Resource Development Co., Inc. ✓

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

610 FNL & 2230 FWL Sec 8, T-21-S, R-25-E N.M.P.M.

At proposed prod. zone

RECEIVED

MAY 31 1991

C. D.

ARTESIA OFFICE

W.C.

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

Coors Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

None (VABND)

11. SEC. T. R. M. OR BLM

Sec 8, T-21-S, R-25-E

12. COUNTY OR PARISH

Eddy

13. STATE

NM

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

Approx 10 miles northwest of Carlsbad, NM

15. DISTANCE FROM PROPOSED*

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

410

16. NO. OF ACRES IN LEASE

160

17. NO. OF ACRES ASSIGNED

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

2700

20. ROTARY OR CABLE TOOLS

Rotary 2600, Cable tool to TD

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

3416 GR

22. APPROX. DATE WORK WILL START*

June 15, 1991

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	300 sx, <u>circulated</u>
7 7/8	5 1/2	14#	2600	400 sx, <u>circulated</u>

Mud program: 0 - 350 Fresh water spud mud
350 - 2000 Fresh water gell mud
2000 - 2600 Fresh water gell mud 8.0 - 8.6# per gallon
2600 - 2700 Salt water 9 - 10# per gallon

Part ID-1
6-7-91
New line
& API

Operation proposal: Drill with rotary to 2600 in Delaware, run electrical logs, set 5 1/2" casing, drill out 4 1/2" hole with cable tool until oil pay is encountered and complete in open hole.

Estimated formation tops: Queen 525, Grayburg 835, San Andres 1270, Delaware 2500, Bone Spring 2650

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 MT R TITLE President DATE May 2, 1991

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 5 31 91

APPROVAL SUBJECT TO ANY:

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

ATTACHED

*See Instructions On Reverse Side

Title 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.

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

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

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

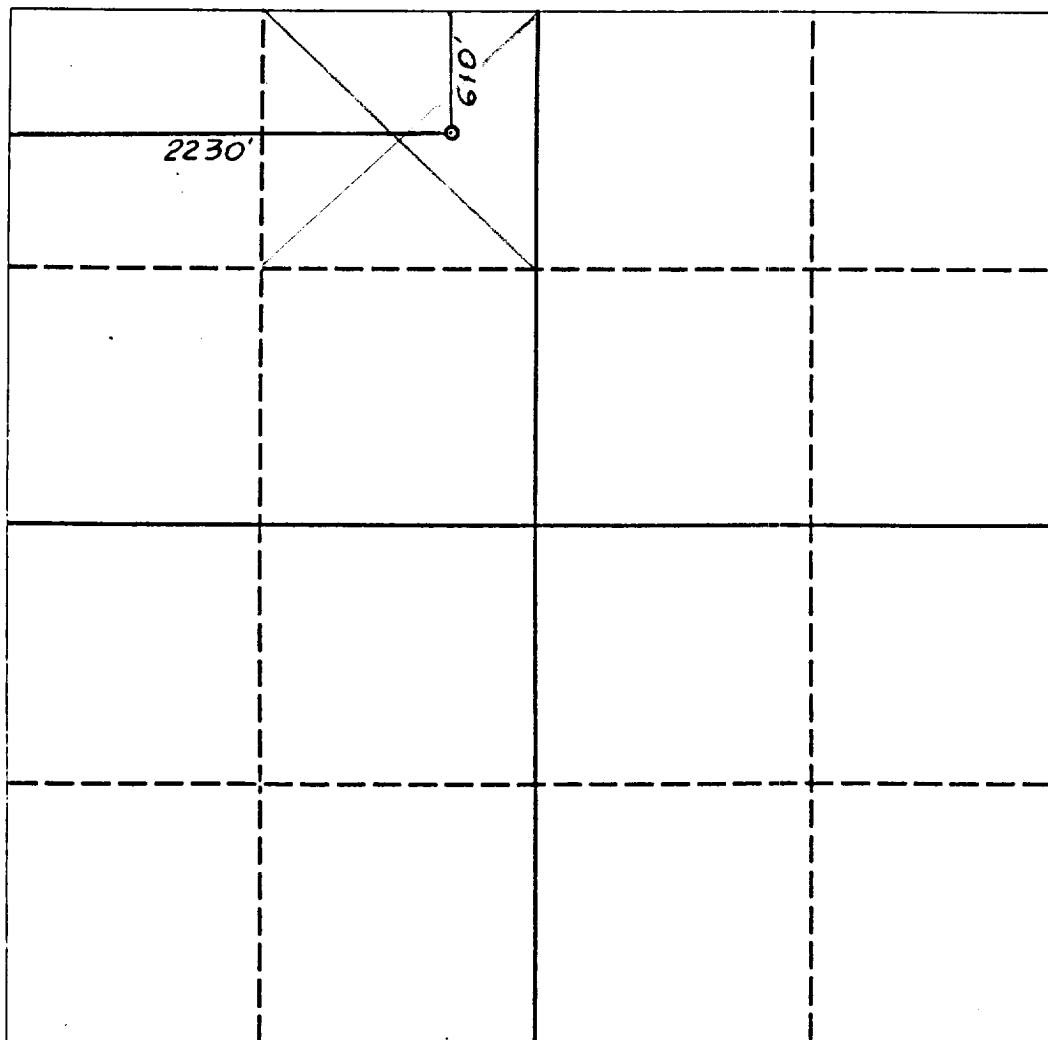
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator ROBINSON RESOURCES DEVELOPMENT CO.			Lease Coors Federal		Well No. 1
Unit Letter C	Section 8	Township 21 South	Range 25 East	County Eddy County, N.M.	
Actual Footage Location of Well: 2230 feet from the West line and 610 feet from the North line					
Ground level Elev. 3416.	Producing Formation Delaware		Pool Nopal Draw (Abandoned)	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 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 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 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

M. L. Robinson

Printed Name

M. L. Robinson

Position

President

Company

Robinson Resource Development Co., Inc.

Date

May 2, 1991

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

Date Surveyed

May 2, 1991

Signature of Professional Surveyor

Professional Engineer
REGISTERED
5412
PE&PS NO. 5412

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0

APPLICATION FOR PERMIT TO DRILL
ROBINSON RESOURCE DEVELOPMENT CO., INC.
00088 FEDERAL #1
610 FWL & 2280 FWL
SEC. 8, T-25-S, R-25-E; NMPM

In conjunction with Form 3160-B, 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	825'
Grayburg	885'
San Andres	1270'
Delaware	2500'
Bone Spring	2650'
3. The estimated depths at which water, oil, or gas formations are expected to be encountered:
 - * - Water: 160' to 300'
 - ** - Oil: Delaware: 2600'-2650'
 - *Groundwater to be protected by 8 5/8" surface casing with cement circulated to the surface.
 - **Potentially productive horizon to be completed in open hole below 5 1/2" production casing with cement circulated back to surface.
4. Proposed Casing Program: See Form 3160-3 and Exhibit F.
5. Pressure Control Equipment: See Exhibit E.
6. Mud Program: See Exhibit C.
7. Testing, Logging, and Coring Programs:
 - No DSTs are anticipated
 - Loggings:
 - Mudlogging unit from 250' to 2600'.
 - 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 is anticipated in the surface interval of the hole.
9. Anticipated Starting Date: June 15, 1991 Approximately.

SUMMARY

Drilling, Casing, and Cementing Program

1. Drill 12 1/4" hole to 880 ft. Will be in Quaternary Alluvium at surface and anticipate some lost circulation.
2. Cement 8 5/8", 24# K-55 casing with 300 ex. Class "C" containing 2% Si and 2% D46. 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 12 1/4" hole to 2100 ft in Delaware.
5. Cement 5 1/2", K-55 casing with 200 ex. 50/50 POZ Mix Class "C" and tail in with 200 ex. 85/35 POZ Mix Class "C" containing 2% CaCL and 3% KCl. Run guide shoe and insert float on bottom joint, and 3 centralizers. Use one wooden plug to displace cement to surface.
6. Move off rotary drilling rig and move on cable tool rig.
7. Test casing to 1500 psi for 30 minutes after WOC 18 hours with Halliburton pump truck.
8. Nipple up and install BOP's.
9. Drill 4 1/2" hole until oil pay is encountered and complete well in open hole.

EXHIBIT

Robinson Resource Development Co.
Coors Federal #1
610 FNL & 2230 FWL
Sec. 9, T-21-S, R-25-E; NHPM

Drilling Fluid Program

- Surface: Bond with fresh water spud mud. Possibly add paper and other non-toxic LCM to combat seepage and lost circulation. Complete loss of circulation is possible. If this occurs, we will drill "dry" to our surface target of 350'.
- Production: Drill out from under surface csg. with fresh water gel having 25-40 sec viscosity, 20-30 cc water loss, and 8.0-8.6# per gallon mud weight to 2600', and possibly then pump a viscous pill to ensure a good cement bond up to surface. Drill out from under 5 1/2" csg. with cable tool rig with salt water weighing 9-10# per gallon.

EXHIBIT E

Robinson Resource Development Co.
Coors Federal #1
610 FNL & 2230 FWL
Sec. 3, T-21-S, R-25-E; NMPM

SURFACE USE PLAN
Robinson Resource Development Co., Inc.
Boers Federal #1
610 FNL. & 2230 FWL
Sec. 9, T-21-S, R-35-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 (Sitting Bull Falls Road). Travel southwest on Highway 137 approximately 2 miles and turn north onto Caliche Road and follow it about 1/2 mile to the proposed well site location.
2. PLANNED ACCESS ROADS - No new access road will be constructed.
 - A. If needed, existing road will be patched with a caliche obtained from a local source.
 - B. A cattleguard will be placed at the highway entrance to the access road in accordance with the private surface owners 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 - 1640' 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 On 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 "A".

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 trash pit, 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 buried at least 36" deep within a reasonable period of time.
 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.
- B. 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 camps 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 trash pits 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 2'0" 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 re-claimed.

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 reclamation 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 area. 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 owner'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 owner'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 rolling terrain with vegetation of sagebrush and native grass. The soils are clayey sand over caliche base.
- B. The surface is used for grazing for livestock and is owned by Marvin J. Watts, P.O. Box 56, Carlstad, New Mexico 88290. 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.

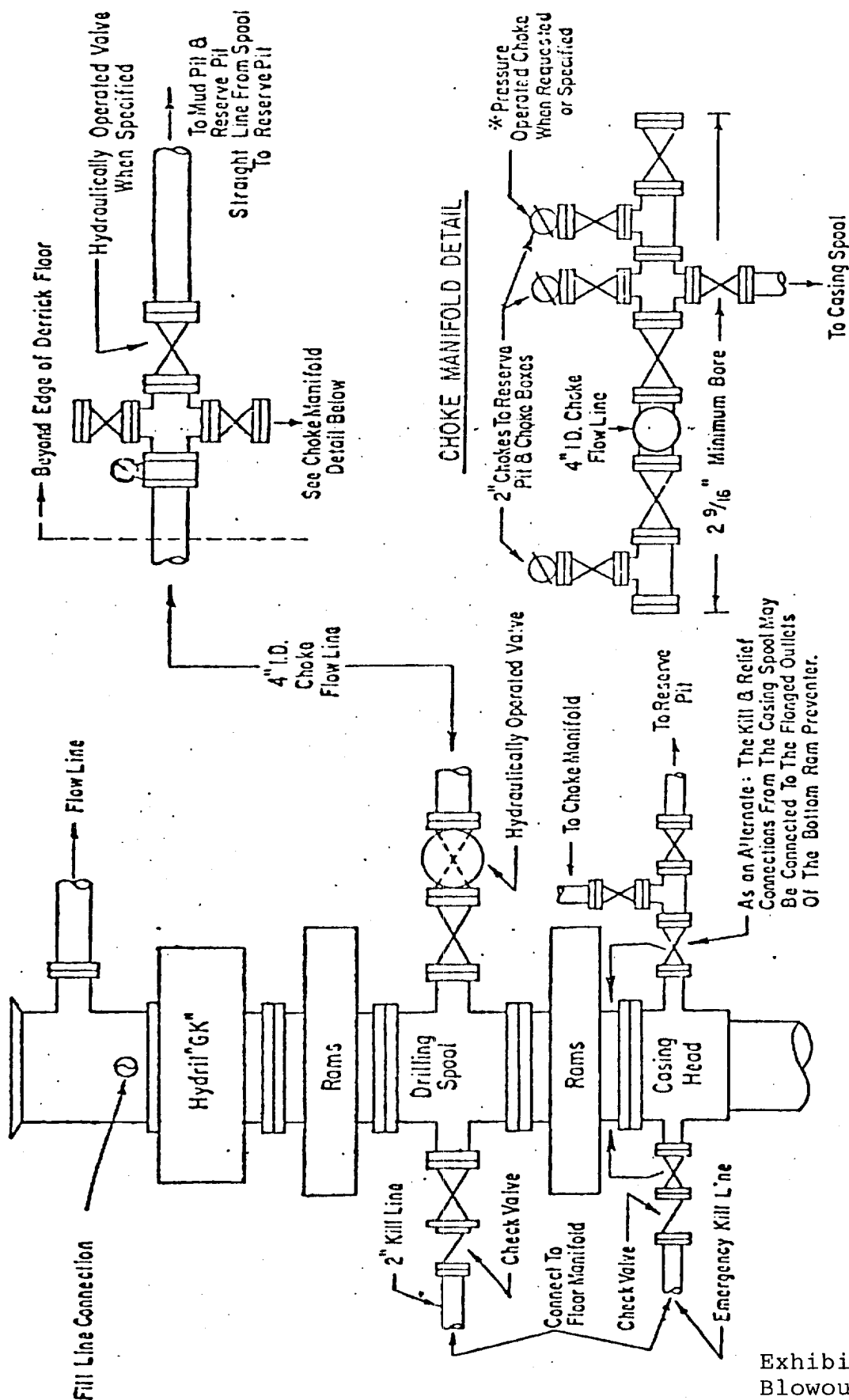
12. OPERATOR'S REPRESENTATIVE - Field representative for contact regarding compliance with the Surface Use Plan is:

M. L. Robinson
P.O. Box 1827
Rockwell, New Mexico 88202
(505) 623-5275

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.

5/2/91
Date


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



3000 PSI WORKING PRESSURE BLOWOUT PREVENTER HOOK-UP

Exhibit E
Blowout Preventer
Robinson Resource
Development Co.
Coors Federal #1
610 FNL & 2230 FWL
Sec 8, T-21-S,
R-25-E, NMPM

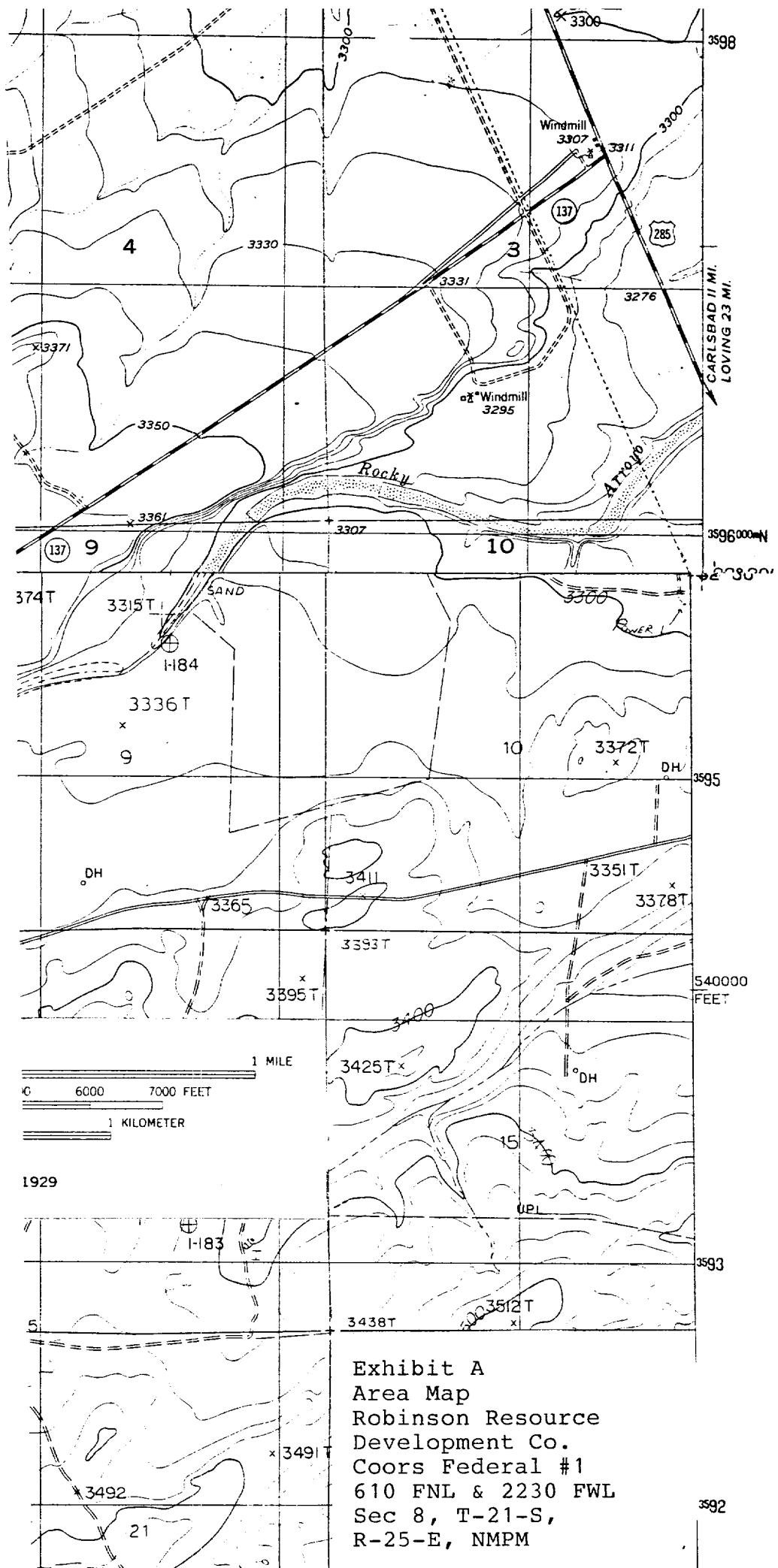
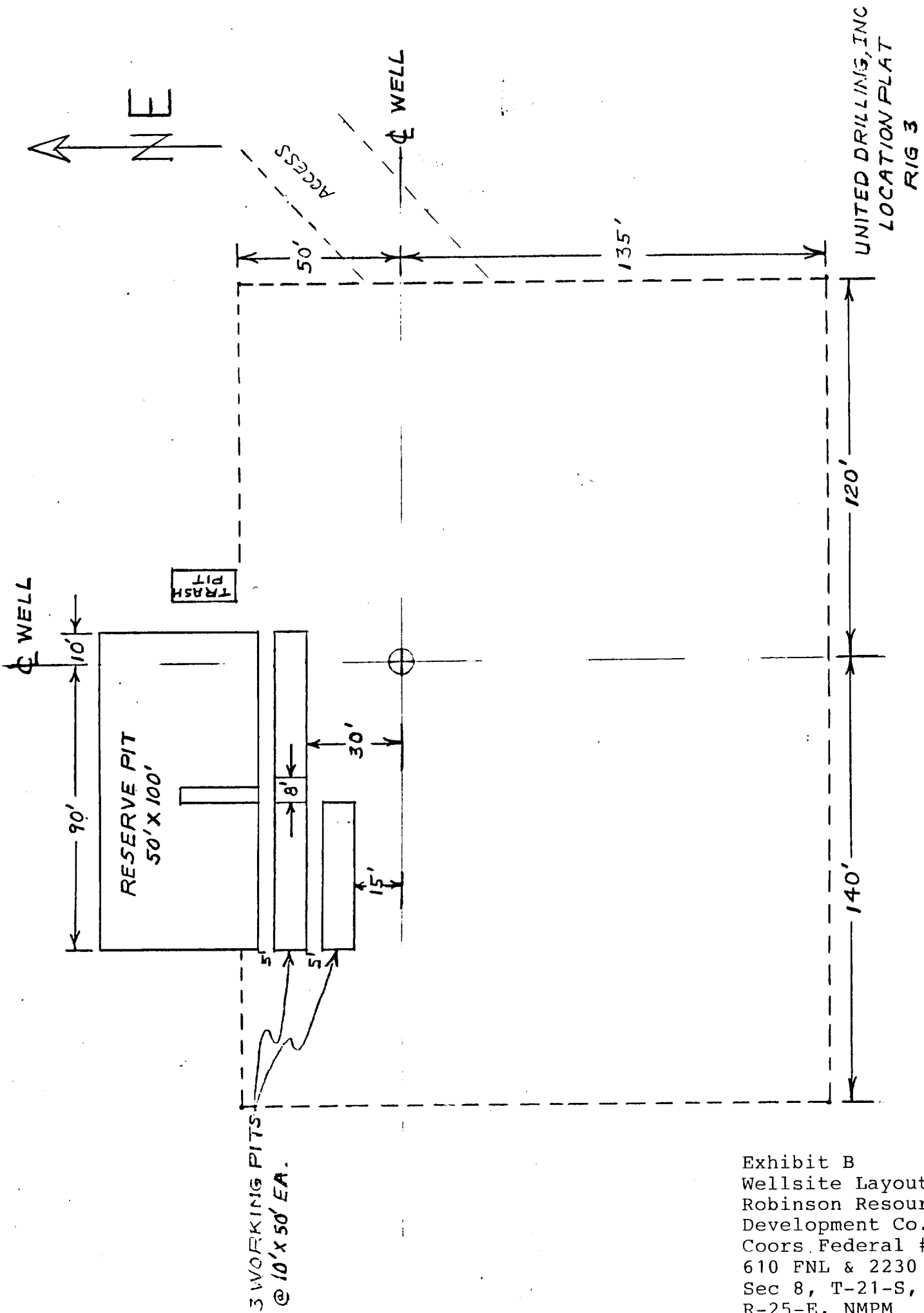


Exhibit A
Area Map
Robinson Resource
Development Co.
Coors Federal #1
610 FNL & 2230 FWL
Sec 8, T-21-S,
R-25-E, NMPM



UNITED DRILLING, INC
LOCATION PLAT
RIG 3

Scale: 1" = 40' 8/3/90

Exhibit B
Wellsite Layout
Robinson Resource
Development Co.
Coors. Federal #1
610 FNL & 2230 FWL
Sec 8, T-21-S,
R-25-E, NMPM