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)

RECEIVED

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

30-015-26145

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

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

2. NAME OF OPERATOR: W. A. Moncrief, Jr.

3. ADDRESS OF OPERATOR: 400 Metro Building, Midland, Texas 79701

RECEIVED
JUL 03 '89
O. C. D.
ARTESIA, OFFICE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 520' FSL & 660' FEL Sec 5
At proposed prod. zone: same

5. LEASE DESIGNATION AND SERIAL NO.: NM 36610-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: Robinia Draw W.I. Unit

8. FARM OR LEASE NAME: Fast Draw Federal

9. WELL NO.: 1

10. FIELD AND POOL, OR WILDCAT: Undesignated Robinia Draw Morrow

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: sec 5, T23S, R24E

12. COUNTY OR PARISH: Eddy

13. STATE: New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 19 miles SW of Carlsbad

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 520' FSL lse NM 36610-A 660' FEL Pro. unit

16. NO. OF ACRES IN LEASE: 320

17. NO. OF ACRES ASSIGNED TO THIS WELL: 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: none

19. PROPOSED DEPTH: 10,800

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 4153 GD

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
17½"	13 3/8"	68#	400'	circulate
12¼ - 11"	8 5/8"	38 & 32#	2,350'	circulate
7 7/8"	5½"	17#	10,800'	as necessary & if necessary

(1) Proposed drilling program: See Exhibit #1

(2) The surface formation is Permian Seven Rivers

Post ID-1
NL & API
7-7-89

(3) Estimated formation tops are:

San Andres	1,125	3rd Bone Springs	7,325	Atoka	9,650
Bone Springs lime	3,850	Wolfcamp	7,650	Morrow	9,975
1st Bone Springs sand	4,275	Cisco-Canyon lime	8,350	Morrow sand	10,450
2nd Bone Springs sand	4,475	Strawn lime	8,700	Barnett	10,675

(4) BOP specifications: See Exhibit #2

(5) A possible abnormal pressure zone is anticipated at 8350'±
(6) Duration of drilling estimated to be 35 days (7) Acreage is not dedicated to a gas contract
(8) Possible gas zones are anticipated in the Upper Penn carbonate at 8350'±, Strawn sands 9275'-9350'± and Morrow sand 10,200'-10,700'±.

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 Dewey E. Thornton TITLE Exploration Manager DATE 6/12/89

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 6-30-89

CONDITIONS OF APPROVAL, IF ANY:
APPROVAL SUBJECT TO
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.

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

alt.

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

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

Operator	Lease	Well No.
W. A. MONCRIEF, JR.	FAST DRAW FEDERAL	1

Unit Letter	Section	Township	Range	County
H	5	23 South	24 East	Eddy County, New Mexico

Actual Footage Location of Well:
2130 feet from the North line and 660 feet from the East line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
4153	Morrow	Undesignated	320 Acres

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

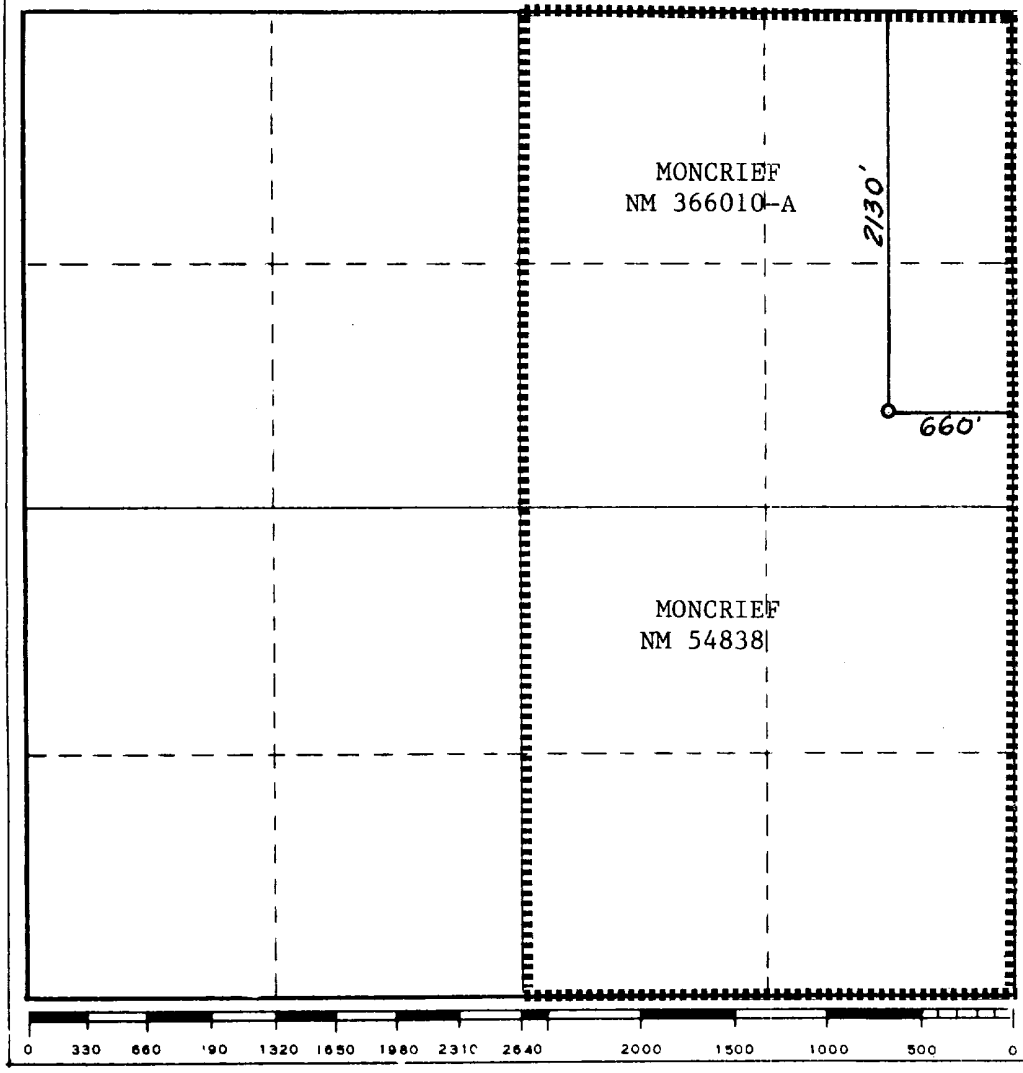
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 Commission.



CERTIFICATION

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

Dewey E. Thornton

Name
DEWEY E. THORNTON

Position
EXPLORATION MANAGER

Company
W. A. MONCRIEF, JR.

Date
June 12, 1989

DAN R. REDDY NEW MEXICO 5412 REGISTERED LAND SURVEYOR PROFESSIONAL ENGINEER

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
June 2, 1989

Registered Professional Engineer and/or Land Surveyor

Dan R. Reddy

Certificate No.
NM PE&LS NO. 5412

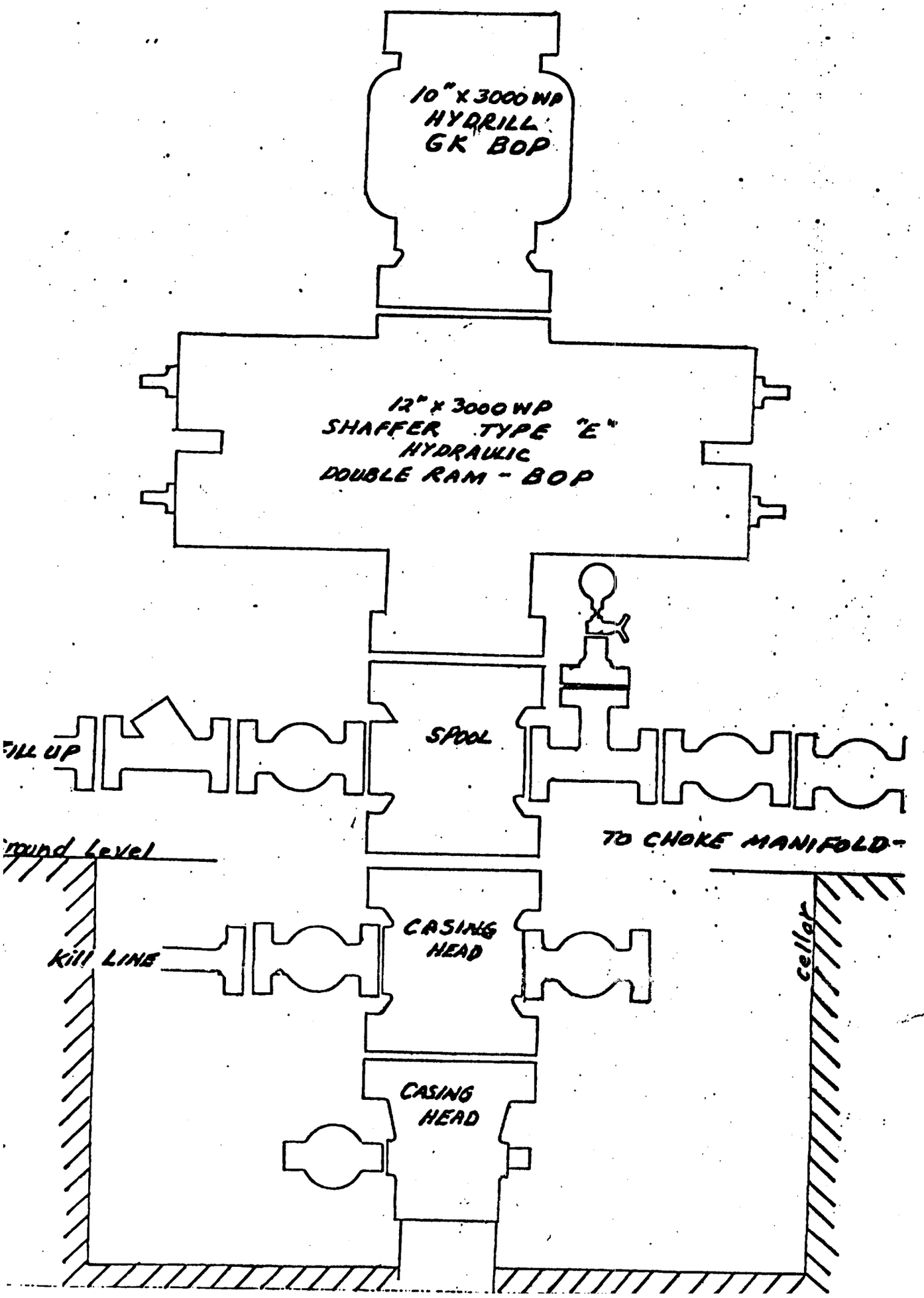
EXHIBIT # 2

W. A. Moncrief, Jr.
#1 Fast Draw Federal
Section 5, T23S, R24E
Eddy County, New Mexico

SUBJECT: BLOWOUT PREVENTER STACK

FILE:

DATE:



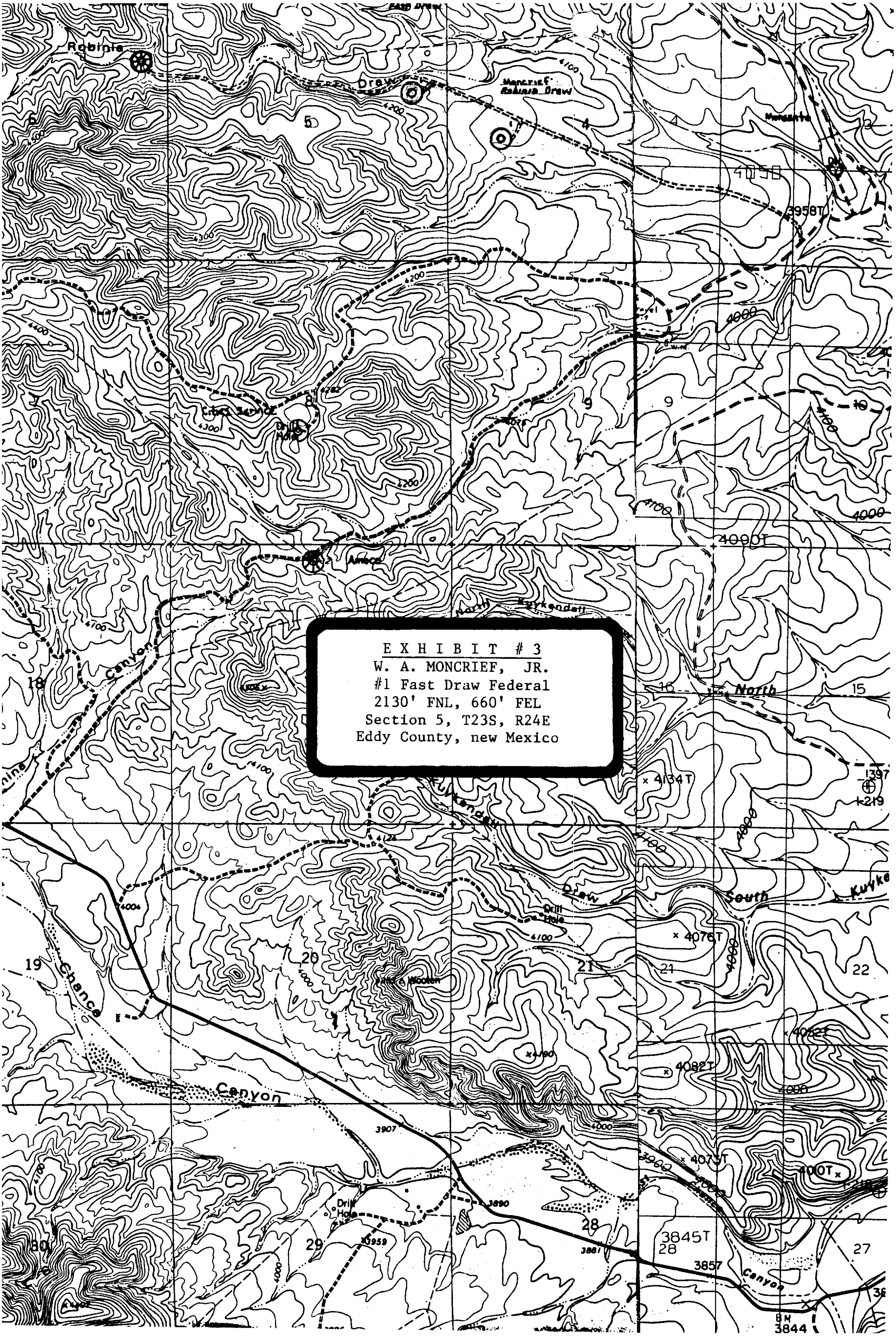


EXHIBIT #3
W. A. MONCRIEF, JR.
#1 Fast Draw Federal
2130' FNL, 660' FEL
Section 5, T23S, R24E
Eddy County, new Mexico

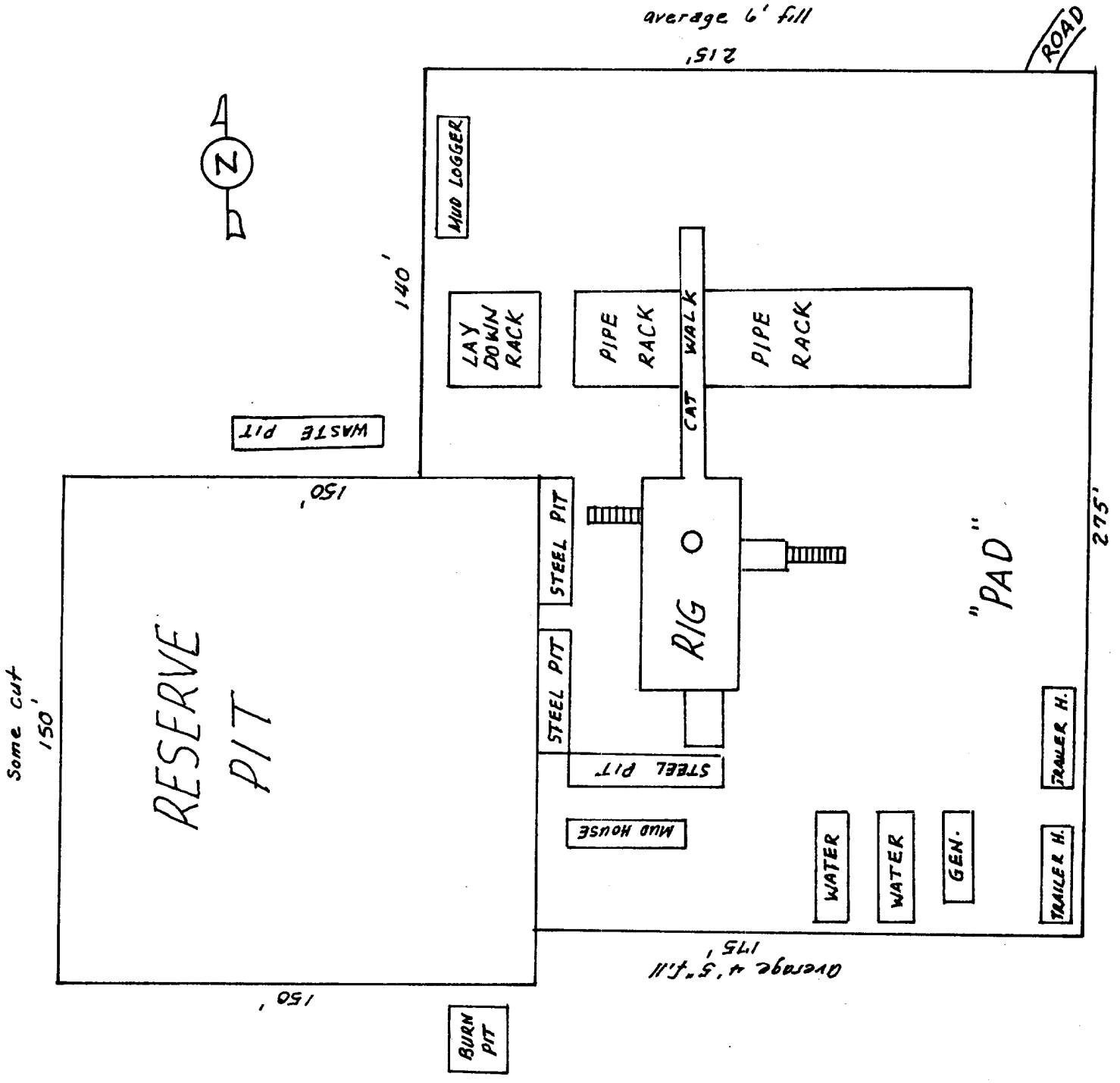


EXHIBIT #4
RIG & WELL SITE PLAT
W. A. MONCRIEF, JR.
#1 FAST DRAW FEDERAL
section 5, T23S, R24E
Eddy County, New Mexico

EXHIBIT #1
W. A. MONCRIEF, JR.
#1 FAST DRAW FEDERAL
SECTION 5, T23S, R24E
EDDY COUNTY, NEW MEXICO

RECOMMENDED DRILLING AND COMPLETION PROCEDURE

(1) Drill 17" hole to 400' with spud mud.

(2) Set 13 3/8" casing at 400' and circulate to cement (approximately 300 sax class "C" w/2% CaCl). Install 12" x 3000 PSI W.P. casinghead and BOP stack.

(3) Drill 11½" hole with fresh water from 400' to 2350' and control seepage with paper. Dry drill if complete loss of returns is experienced.

(4) Load hole with 34 sec. viscosity mud at 2350' if hole is showing severe seepage; otherwise run 8 5/8" casing with water in hole.

(5) Set and cement 8 5/8" casing at 2350' with sufficient cement to circulate (est. 700 sax lite, ¼# Flocele/sack, slurry wt. 12.8#/gas + 200 sax NEAT w/2% CaCl, flurry wt. 14.8#/gal.) Install 12" x 3000 PSI W.P. spool with secondary seal and bit guide, choke manifold, B.O.P. and Hydril.

(6) Test casing, casing spool, BOP and choke manifold to 3000 PSI with yellow jacket. Install PVT equipment and flow sensor at nipple up or before 8000'.

(7) Drill 7 7/8" hole to a total depth of 10,800' using fresh water to drill to 8000'. Go to a 9.7# cut brine w/4% KCL at 8000' to drill upper Penn carbonates. Add soda ash to treat hardness below 600 PPM and add Drispac and Starlise to maintain 31-33 sec. viscosity and 10 cc water loss. At 9200'; drop water loss to 5-8 cc and increase viscosity as necessary to maintain hole to total depth.

(8) Drill stem test all shows.

(9) Run logs (combination CNL-FDC w/gamma ray & DLL).

(10) Set and cement 5½" production string (rough coated and centralised through pay zones) w/1050 sax class "H" cement with .5 of 1% CFR-2. Pump plug down with 5% KCL packer fluid. Run temperature survey to locate top of cement outside casing.

(11) Install 10"-3000 PSI W.P. x 6" - 3000 PSI W.P. tubing head and Christmas tree.

(12) Move out rotary rig and move in completion unit.

(13) Pressure test casing and head to 3000 Psig.

(14) Install BOP.

(15) Run tubing and packer.

(16) Swab well down.

(17) Perforate with 4" casing gun.

(18) Production test well.

(19) Stimulate well as necessary.

(20) Clean up treating fluid.

(21) Flow test well.

(22) Run CAOF test and pressure build-up.

(23) Connect surface equipment.