

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-101
Revised July 18, 2013

☐ AMENDED REPORT
NM OIL CONSERVATION
ARTESIA DISTRICT
JUL 16 2014

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address CAZA OPERATING, LLC. 200 NORTH LORRAINE SUITE 1550 MIDLAND, TEXAS 79701		OGRID Number 249099
Property Code 40499	Property Name FOREHAND "22" STATE	Well No. 5

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County
P	22	23S	27E		782'	SOUTH	527'	EAST	EDDY

8. Proposed Bottom Hole Location

UL - Lot	Section	Township	Range	Lot Idn	Feet from	N/S Line	Feet From	E/W Line	County

9. Pool Information

Pool Name CASS DRAW-DELAWARE	Pool Code 10410
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Additional Well Information

11. Work Type N	12. Well Type O	13. Cable/Rotary ROTARY	14. Lease Type S	15. Ground Level Elevation 3150'
16. Multiple NO	17. Proposed Depth 4000'	18. Formation DELAWARE	19. Contractor	20. Spud Date WHEN APPROVED
Depth to Ground water 100'		Distance from nearest fresh water well .7 Miles Northeast of Location		Distance to nearest surface water None Known

☒ We will be using a closed-loop system in lieu of lined pits

21. Proposed Casing and Cement Program

Type	Hole Size	Casing Size	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surface	17 1/2"	13 3/8"	48#	450'	415 Sx.	Surface
Intermed.	12 1/4"	8 5/8"	24#	2050'	795 Sx	Surface
Production	7 7/8"	5 1/2"	15.5#	4000'	465 Sx.	TOC 1500' FS.

Casing/Cement Program: Additional Comments

SEE ATTACHED SHEER

22. Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Double Ram	3000 PSI	1500 PSI	Cameron or Schaffer

23. I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that I have complied with 19.15.14.9 (A) NMAC <input type="checkbox"/> and/or 19.15.14.9 (B) NMAC <input type="checkbox"/> , if applicable. Signature: <i>Joe T. Janica</i>		OIL CONSERVATION DIVISION Approved By: <i>T.C. Shepard</i> Title: "Geologist" Approved Date: 7-16-2014 Expiration Date: 7-16-2016	
Printed name: Joe T. Janica			
Title: Permit Eng.			
E-mail Address: joejanica@valornet.com			
Date: 07/15/14	Phone: 575-391-8503	Conditions of Approval Attached	

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State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
1223 South St. Francis Dr.
Santa Fe, New Mexico 87505

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-015-42517	Pool Code 10410	Pool Name CASS DRAW-DELAWARE
Property Code 40499	Property Name FOREHAND 22 STATE	Well Number 5
OGRID No. 249099	Operator Name CAZA OPERATING LLC	Elevation 3150

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/South line	FEET from the	East/West line	County
P	22	23 S	27 E		782	SOUTH	527	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/South line	FEET from the	East/West line	County
Dedicated Acres 40	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

N.: 472059.2 E.: 586719.7 (NAD 83)	N.: 472120.4 E.: 589344.3 (NAD 83)	N.: 472181.6 E.: 591969.0 (NAD 83)
<p>OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p><i>Joe T. Janica</i> Signature Date Joe T. Janica 07/15/14 Printed Name joejanica@valornet.com Email Address</p>		
<p>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 belief.</p> <p>Date Surveyed: <i>July 14, 2014</i> Signature & Seal of Professional Surveyor: <i>[Seal]</i> Certificate No.: <i>7977</i> BASIN SURVEYS</p>		
<p>SURFACE LOCATION Lat - N 32°17'07.79" Long - W 104°10'16.37" NAD83 - N 467634.3 E 591436.2 (NAD-83)</p> <p>N.: 466872.4 E.: 591962.0 (NAD 83)</p> <p>S.L. 527' 782'</p> <p>0' 500' 1000' 1500' 2000' SCALE: 1" = 1000' WO Num.: 30643</p>		

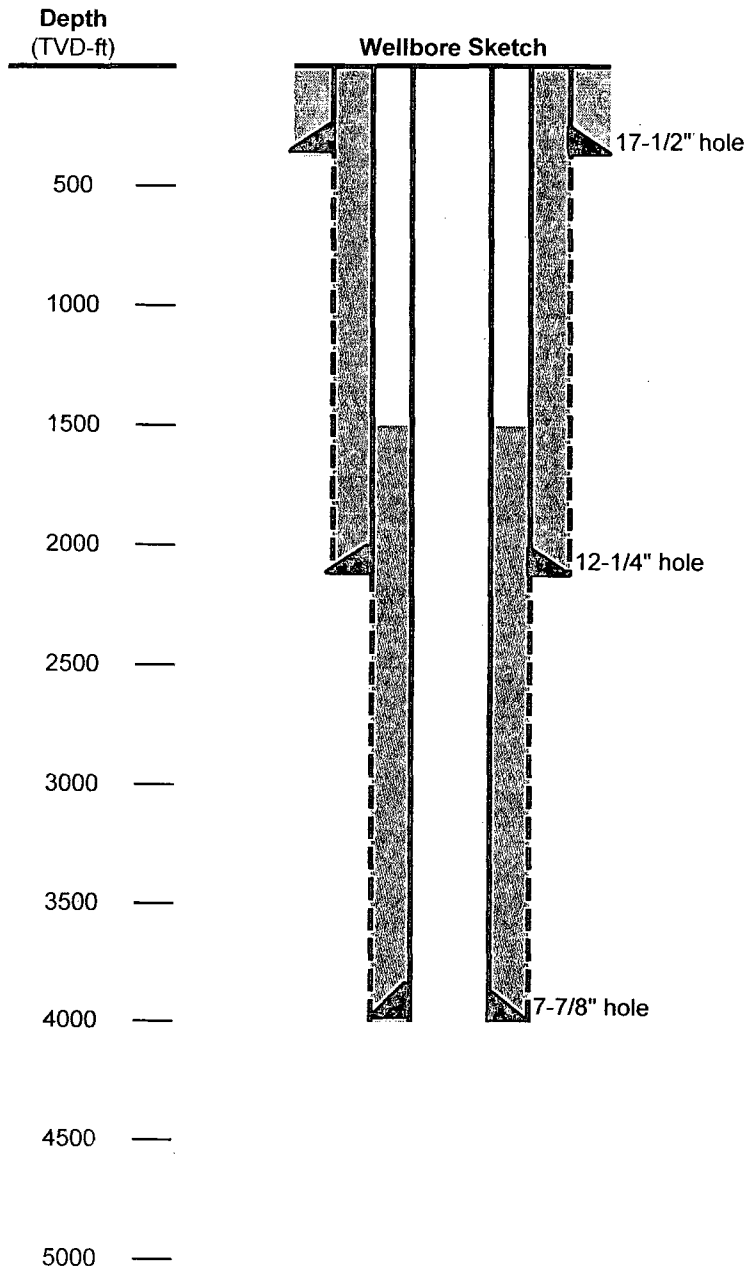
1. Drill 26" hole to 40'. Set 40' of 20" conductor pipe and cement to surface with Redi-mix.
2. Drill 17½" hole to 450'. Run and set 450' of 13 3/8" 48# H-40 ST&C casing. Cement with 265 Sx. of Class "C" cement + 4% Bentonite, + 2% CaCl, + 0.25# celloflake/Sx. Yield 1.75, Tail in with 150 Sx. of Class "C" cement + 2% CaCl, Yield 1.34. 100% Excess circulate cement to surface.
3. Drill 12½" hole from 450' to 2050'. Run and set 2050' of 8 5/8" 24# J-55 ST&C casing. Cement with 595 Sx. of Class "C" Lite cement 35/65 POZ + 4% Bentonite, + 5% Salt, Yield 2.16, tail in with 200 Sx. of Class "C" cement + 1% CaCl, Yield 1.33. 100% excess, circulate cement to surface.
4. Drill 7 7/8" hole from 2050' to 4000'. Run and set 4000' of 5½" 15.5# J-55 LT&C-casing. Cement with 465 Sx. of Class "C" cement Yield 1.33 50% excess Estimate top of cement 1500' from surface.

Forehand 22 State # 5

Location: SE/SE_Section 22_T23S_R27E_Eddy County, New Mexico



Well Bore Plan



20" Cond @ ± 40'

13-3/8" 48 # H-40 ST&C @ 450 ft

Cmt w/ 265 sks "C" w/ 4% gel + .25pps celloflake mixed 13.5 ppg. 1.75 yield. Tail w/ 150 sks "C" w/ 2% CACL2 14.8 ppg 1.33 yield

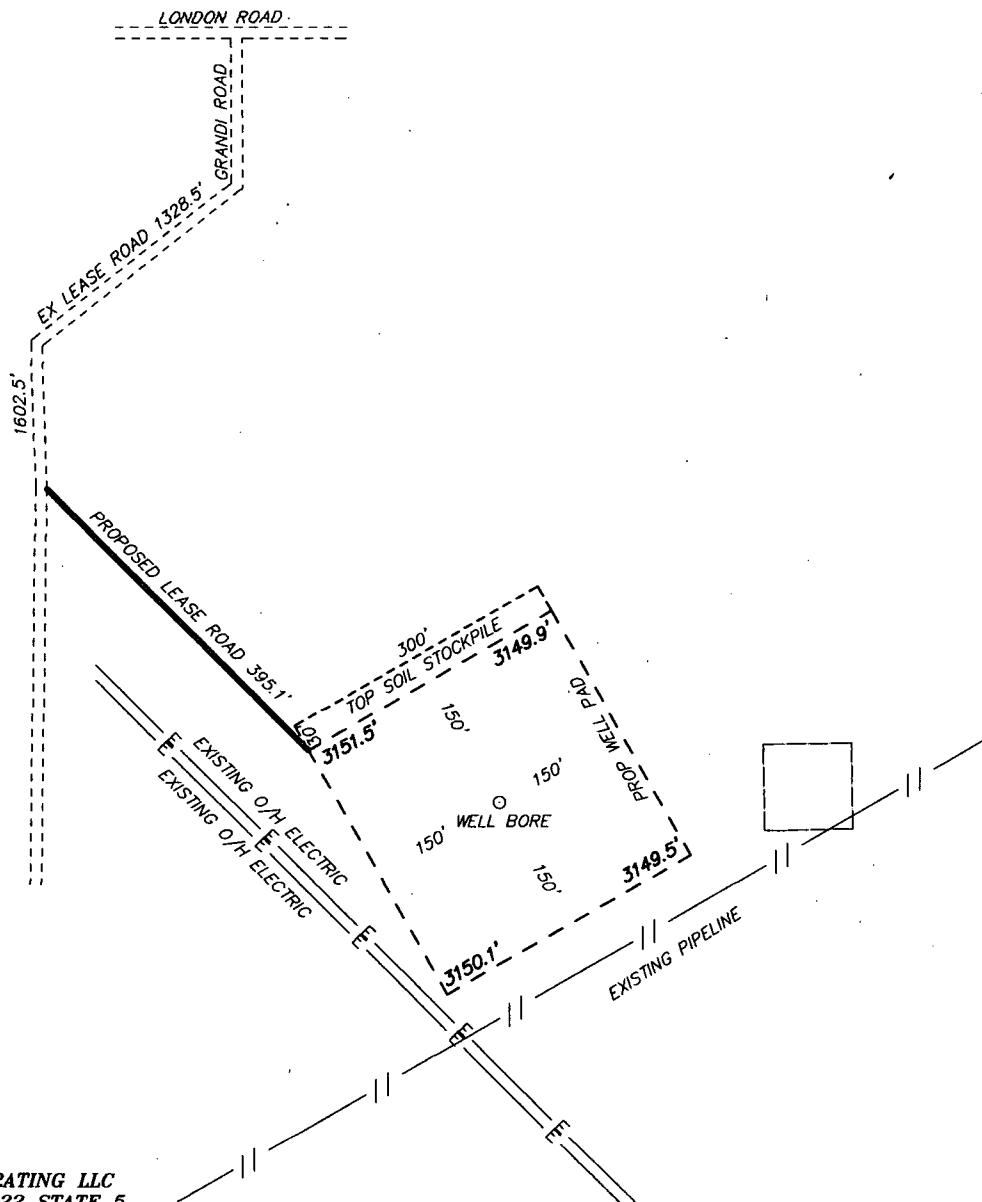
8-5/8" 24 # J-55 ST&C @ 2150 ft

Cmt w/ 595 sks "C" w/ lite 4% gel + .25pps celloflake mixed 12.5 ppg. 2.14 yield. Tail w/ 200 sks "C" w/ 1% CACL2 14.8 ppg 1.33 yield

5.5" 15.5# J-55 LT&C @ 4000 ft

5-1/2" cmt w/ 465 sks "C" 14.8 ppg 1.33 yield.

SECTION 22, TOWNSHIP 23 SOUTH, RANGE 27 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



CAZA OPERATING LLC
FOREHAND 22 STATE 5
ELEV. - 3150'
Lat - N 32°17'07.79"
Long - W 104°10'16.37"
NMSPCE - N 467634.3
E 591436.2
(NAD-83)

LOVING, NM IS ±5 MILES TO THE EAST OF LOCATION.

200 0 200 400 FEET
SCALE: 1" = 200'

Directions to Location:

FROM LONDON AND GRANDI, GO SOUTH ON GRANDI,
TURN RIGHT ON LEASE ROAD 0.55 MILES TO
PROPOSED LEASE ROAD ON LEFT.

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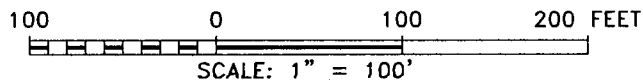
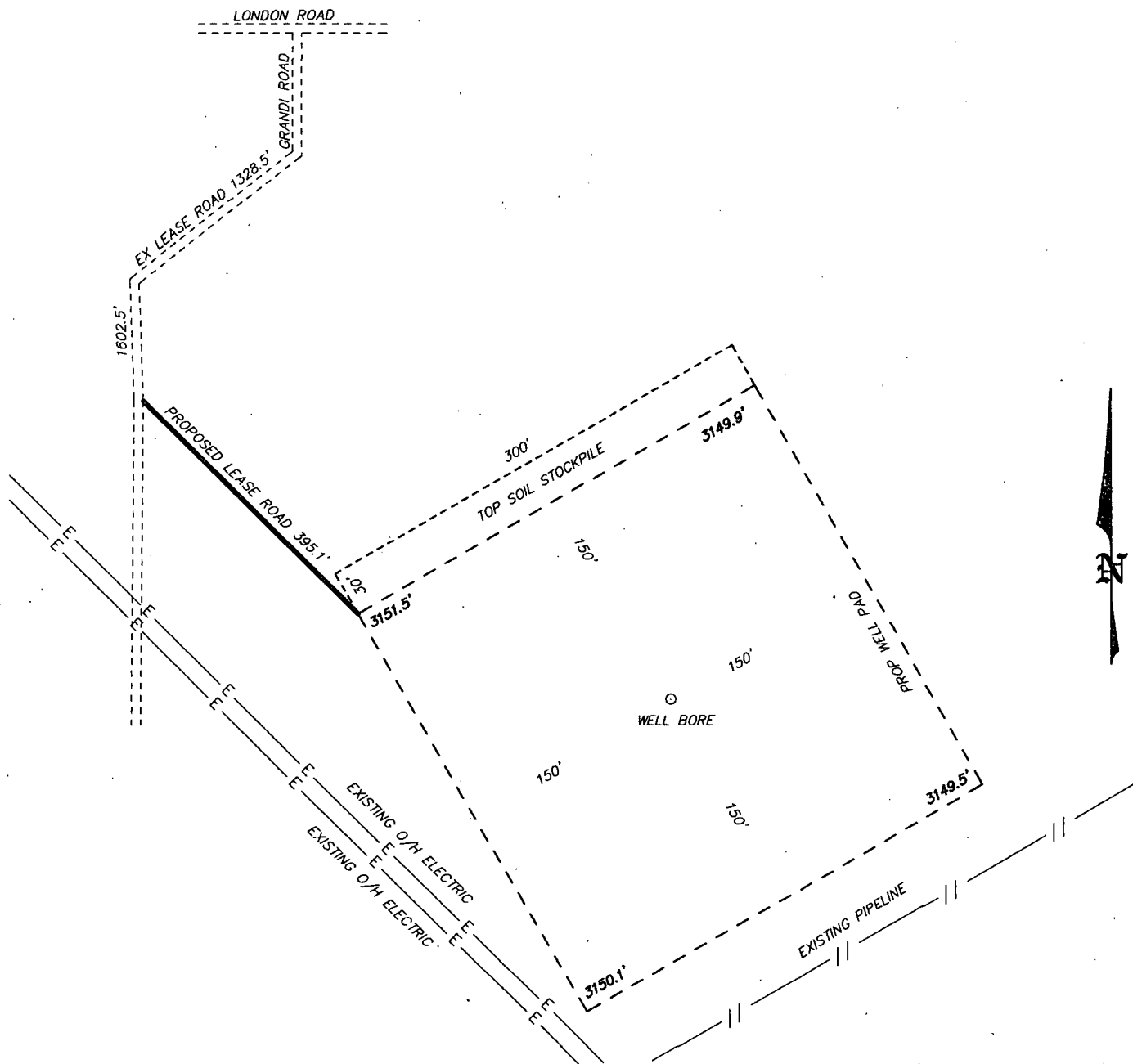
P.O. Box 1786 (575) 393-7316 - Office
1120 N. West County Rd. (575) 392-2206 - Fax
Hobbs, New Mexico 88241 basin-surveys.com

CAZA OPERATING, LLC.

REF: FOREHAND 22 STATE 5 / WELL PAD TOPO

THE FOREHAND 22 STATE 5 LOCATED 782' FROM
THE SOUTH LINE AND 527' FROM THE EAST LINE OF
SECTION 22, TOWNSHIP 23 SOUTH, RANGE 27 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

SECTION 22, TOWNSHIP 23 SOUTH, RANGE 27 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



CAZA OPERATING, LLC.

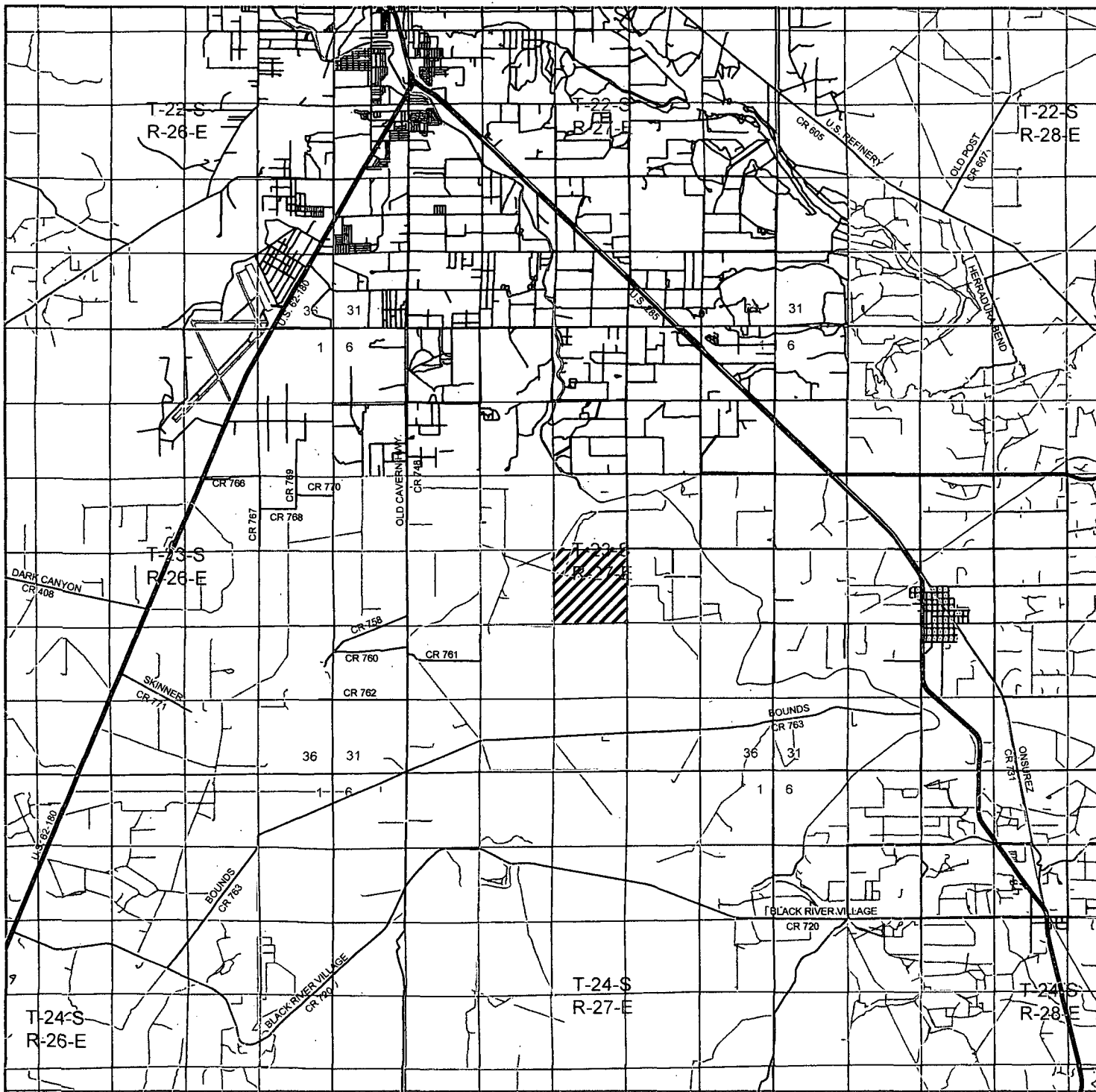
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CAZA
OPERATING,
LLC.



FOREHAND 22 STATE 5

Located 782' FSL and 527' FEL
 Section 22, Township 23 South, Range 27 East,
 N.M.P.M., Eddy County, New Mexico.

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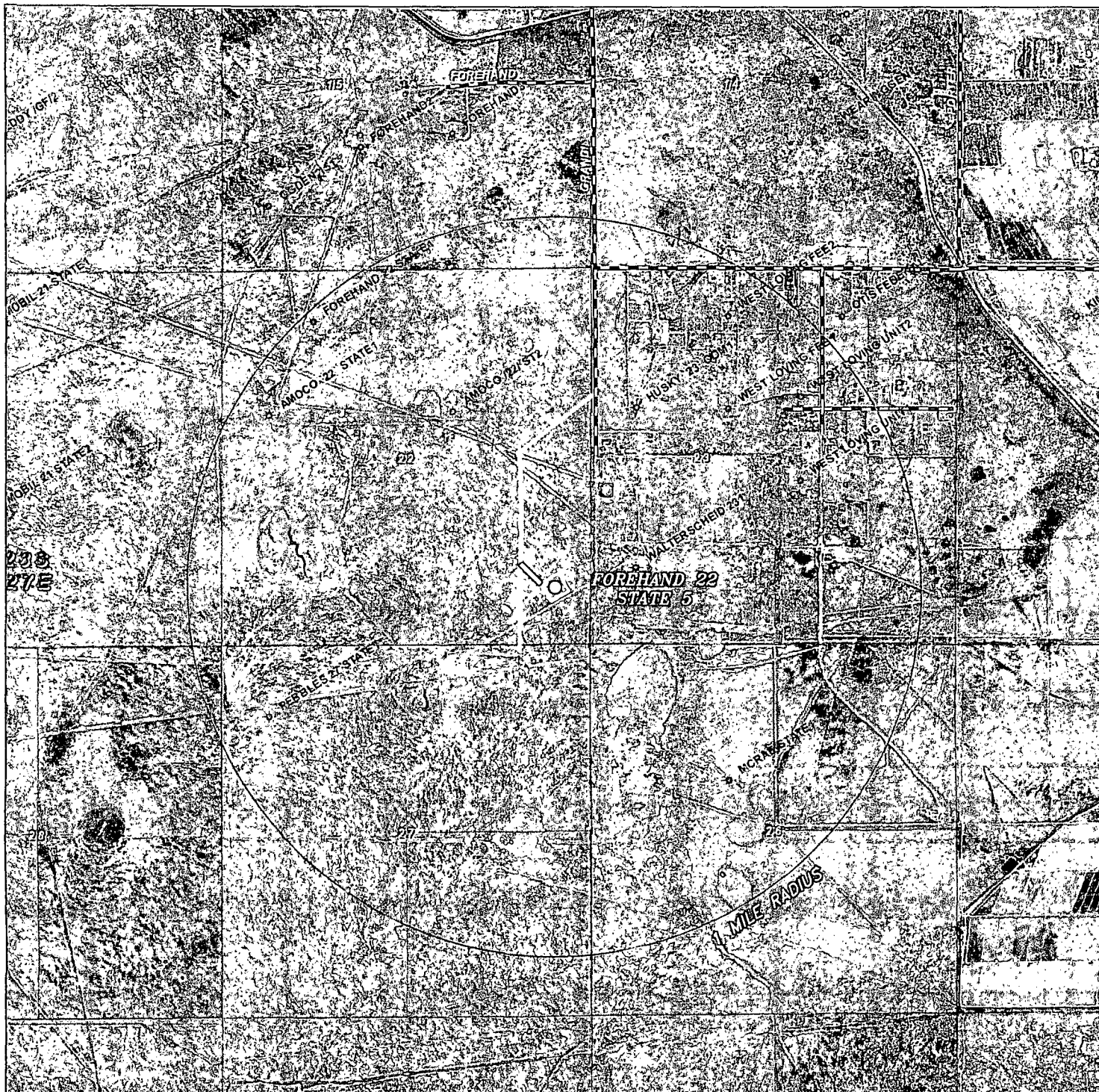
SCALE: 1" = 2 MILES

W.O. Number: KAN 30643

Survey Date: 07-01-2014

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND
 NATURAL COLOR - USA LAND

CAZA
OPERATING,
LLC.



FOREHAND 22 STATE 5

Located 782' FSL and 527' FEL
Section 22, Township 23 South, Range 27 East,
N.M.P.M., Eddy County, New Mexico.

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0' 1000' 2000' 3000' 4000'

SCALE: 1" = 2000'

W.O. Number: KAN 30643

Survey Date: 07-01-2014

YELLOW TINT - USA LAND
BLUE TINT - STATE LAND
NATURAL COLOR - USA LAND

CAZA
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Forehand 22 State #5

Closed Loop Drilling System

Operations and Maintenance Plan

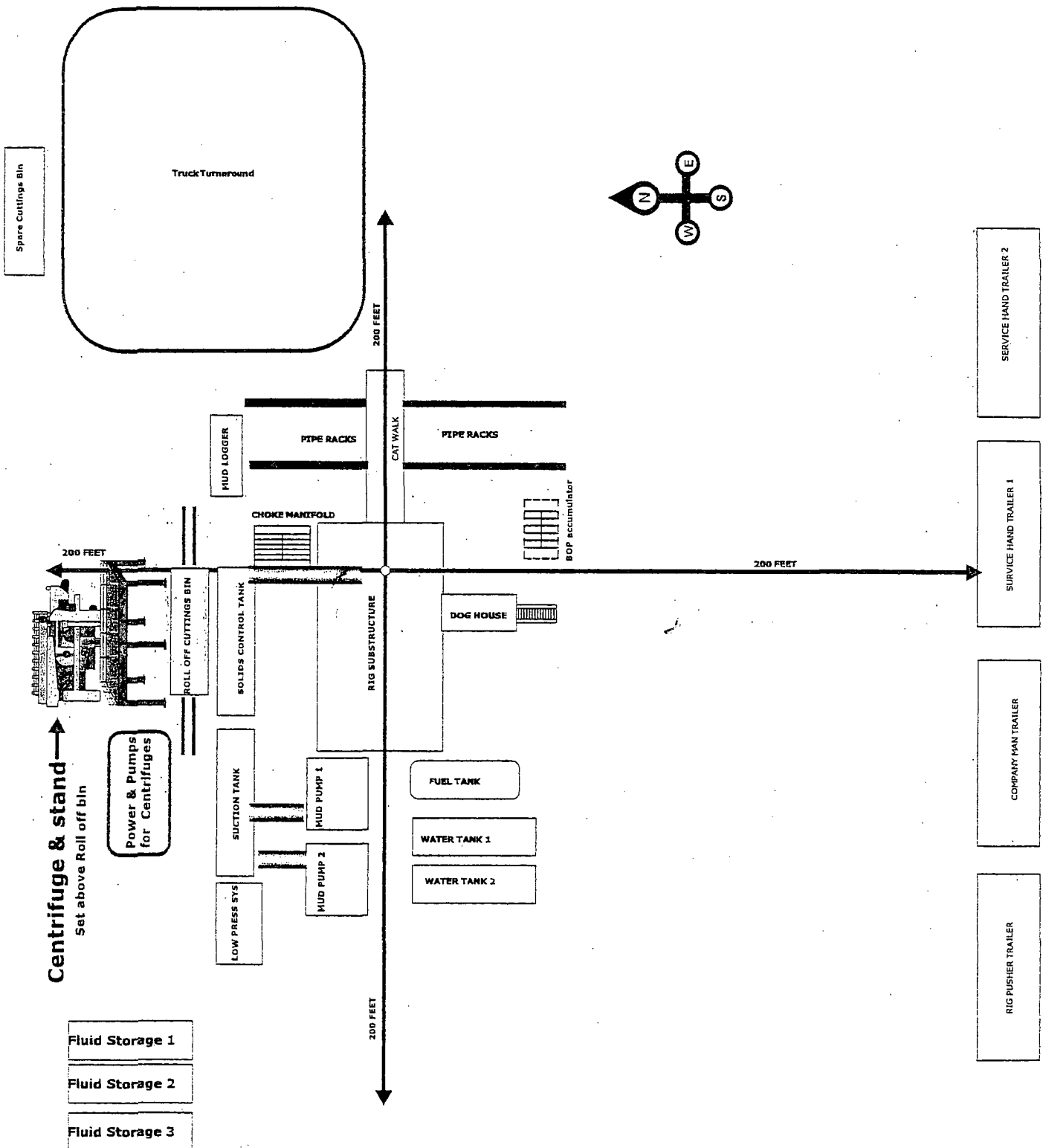
Closed Loop equipment will be inspected and monitored closely on a daily basis by each drilling rig Tour and by those hired specifically to operate the equipment. Any leak or release detected will be repaired immediately and the proper NMOCD official will be notified within the 48 hr requirement. A large release will require Caza Operating, LLC representatives to contact NMOCD immediately at the Hobbs office 575 393 6161 as stated by NMOCD rule 116.

Closure Plan

During and after drilling operations, liquids (which apply), all drill cuttings and drilling fluids will be hauled and disposed of at the R-360 disposal (permit number NM-01-0006) located about 30 miles East of Carlsbad, New Mexico. An alternate approved disposal site has been selected "Sundance" Parabo NM-01-0003 which is 5 miles East of Eunice, NM. The Second site would only be used in the event of problems with R-360 disposal.

Closed Loop Oil Well

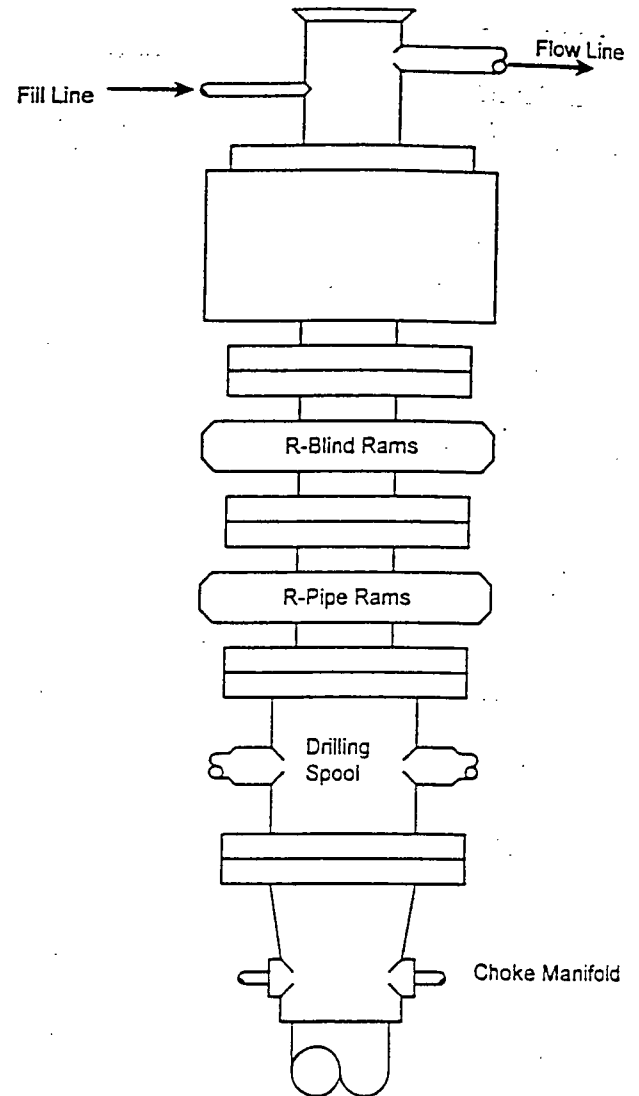
Forehand 22 State #5



Note: The Rig and Closed System Company for this well have not been selected thus the set up shown is simply generic.

BLOWOUT PREVENTER SYSTEM

3000 PSI



Type 900 SERIES
3000 PSI WP

Choke Manifold Assembly for 5M WP System

