

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101
Revised October 18, 199
Instructions on bac
Submit to Appropriate District O
State Lease - 6 Copie
Fee Lease - 5 Copie

☐ AMENDED REPORT

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

¹ Operator name and Address XT0 Energy Inc. 2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401		² OGRID Number 167067
⁴ Property Code 30048	⁵ Property Name RIDDLE GAS COM "A"	³ API Number 30-04531138
		⁶ Well No. #1R

⁷ Surface Location									
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
G	9	27N	09W		2,110'	North	1,580'	East	San Juan

⁸ Proposed 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
⁹ Proposed Pool 1 Basin Dakota					¹⁰ Proposed Pool 2 Blanco Mesaverde				

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary R	¹⁴ Lease Type Code Fee	¹⁵ Ground Level Elevation 6,212' Ground Level
¹⁶ Multiple Yes	¹⁷ Proposed Depth 7,100'	¹⁸ Formation Dakota/Mesaverde	¹⁹ Contractor Bearcat Drilling	²⁰ Spud Date Summer, 2002

²¹ Proposed Casing and Cement Program					
Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	9-5/8"	32.3#/ft	320'	+150 sx	Surface
7-7/8"	4-1/2"	10.5 #/ft	7,100'	+1,005 sx	Surface

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Drill to 320'. Cmt 9-5/8" csg w/150 sx Type III cmt w/2% CC & 1/4#/sx cello (14.5 ppg, 1.39 cuft, 6.8 gal/sx).
Set 4-1/2" csg @ 7,100'. Cmt first stg (lead) w/320 sx Cl H w/4% gel, 2% Phenoseal, 1/4#/sx cello, 0.5% FL & 0.25% disp (14.7 ppg, 1.38 cuft, 6.7 gal/sx) followed by 110 sx Cl H w/2% econolite, 2% Phenoseal & 1/4# celloflake (11.8 ppg, 1.96 cuft, 14.7 gal/sx). Cement second stg w/225 sx Premium Lite HS w/2% KCl, 2% Phenoseal & 1/4# cello (12.5 ppg, 2.01 cuft, 10.7 gal/sx) followed by 350 sx Type III w/3% econolite, 2% Phenoseal & 1/4# cello (11.3 ppg, 2.83 cuft, 17.6 gal/sx).
Final volume will be obtained from caliper log +35%. See attached BCP diagram.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>Jeffrey W. Patton</i> 6/25/02 Printed name: Jeffrey W. Patton Title: Drilling Engineer	OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i> Title: DEPUTY OIL & GAS INSPECTOR, DIST. IV Approval Date: JUN 27 2002 Expiration Date: JUN 27 2003
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DISTRICT II
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV
PO Box 2088, Santa Fe, NM 87504-2088

OIL CONSERVATION DIVISION

**P.O. Box 2088
Santa Fe, NM 87504-2088**

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number 30-05-31138		2 Pool Code 71599		3 Pool Name BASIN DAKOTA	
4 Property Code 30048		5 Property Name RIDDLE GAS COM A			6 Well Number 1R
7 OGRID No. 167067		8 Operator Name XTO ENERGY INC.			9 Elevation 6212

¹⁰ Surface Location

U/L or lot no. G	Section 9	Township 27-N	Range 9-W	Lot idn	Feet from the 2110	North/South line NORTH	Feet from the 1580	East/West line EAST	County SAN JUAN
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11 Bottom Hole Location If Different From Surface

U/L or lot no.	Section	Township	Range	Lot idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 316.18		E / 2	¹³ Joint or Infill I		¹⁴ Consolidation Code		¹⁵ 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

[illegible]

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Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

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Santa Fe, NM 87504-2088

Form C-102

Revised February 21, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-31138	² Pool Code 72319	³ Pool Name BLANCO MESAVERDE
⁴ Property Code 30048	⁵ Property Name RIDDLE GAS COM A	⁶ Well Number 1R
⁷ GRID No. 167067	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 6212

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
G	9	27-N	9-W		2110	NORTH	1580	EAST	SAN JUAN

¹¹ 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
316.18	E/2		I						
¹² Dedicated Acres		¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.			
316.18		E/2		I					

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16 N/4 CORNER GLO BC 1947 2625.0' (M) 2110' 844' 990' 295' 1580' 422' NE SEC. CORNER GLO BC 1947 SF-078354-A FEE 2612' (R) S 86-53 W 2612' (R) CALC'D CORNER CALC'D CORNER CALC'D CORNER CALC'D CORNER N 00-51 W 2608.34' (R) S 00-05 W 2666.4' (R) S 86-53 W 2612' (R) S 86-53 W 2612' (R) CALC'D CORNER CALC'D CORNER CALC'D CORNER CALC'D CORNER	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief Signature <u>Jeffrey W. Patton</u> Printed Name <u>JEFFREY W. PATTON</u> Title <u>DRILLING ENGINEER</u> Date <u>6-25-02</u> 18 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. Date of Survey <u>MARCH 27 2002</u> Signature and Seal of Registered Professional Surveyor <u>DAVID A. JOHNSON</u> Certificate Number <u>14827</u>
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BOP SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

TESTING PROCEDURE

1. Test BOP after installation:

Pressure test BOP to 200-300
psig (low pressure) for 5 min.

Test BOP to Working Press or
to 70% internal yield of surf csg
(10 min).

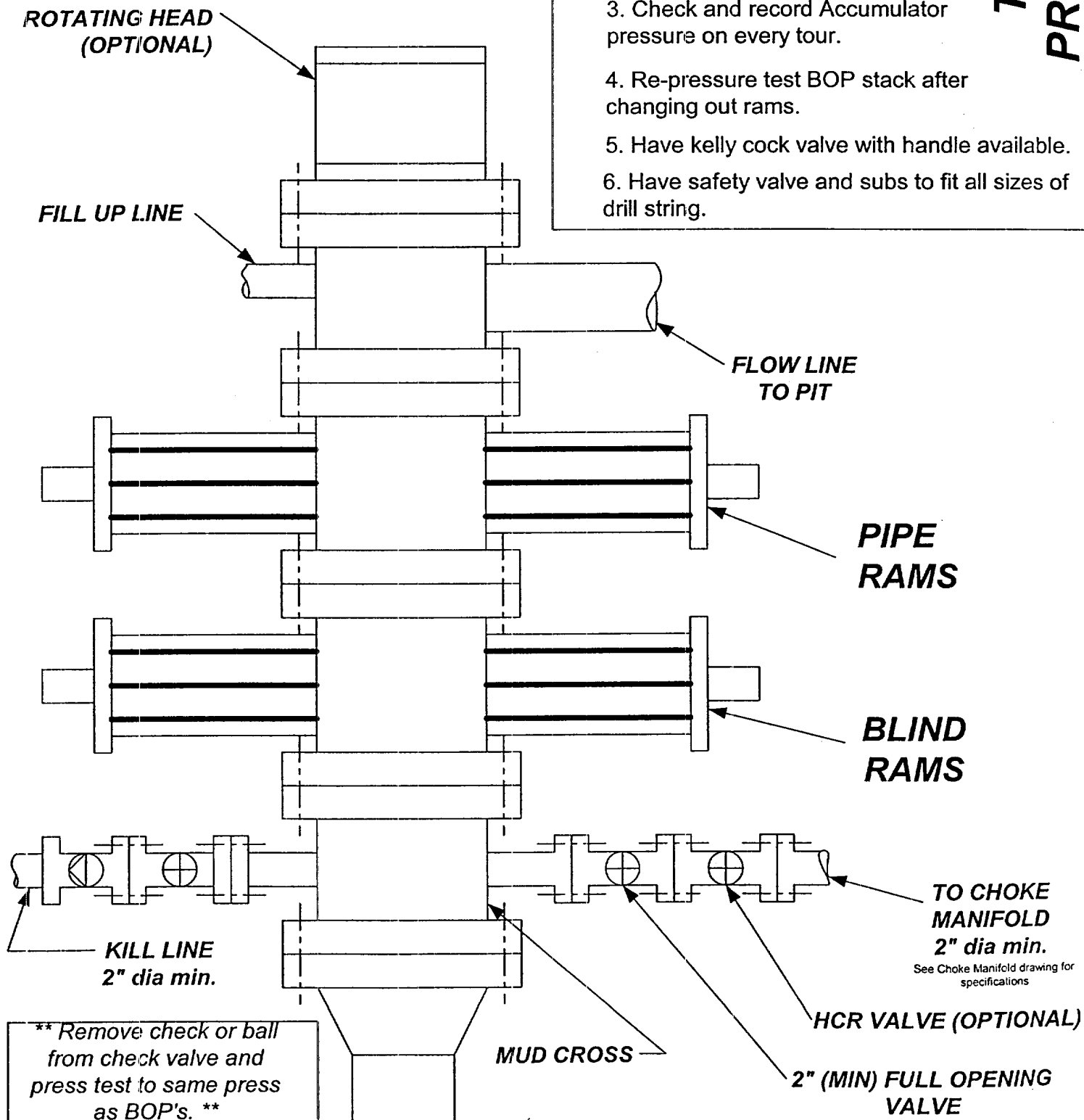
2. Test operation of (both) rams on every trip.

3. Check and record Accumulator pressure on every tour.

4. Re-pressure test BOP stack after changing out rams.

5. Have kelly cock valve with handle available.

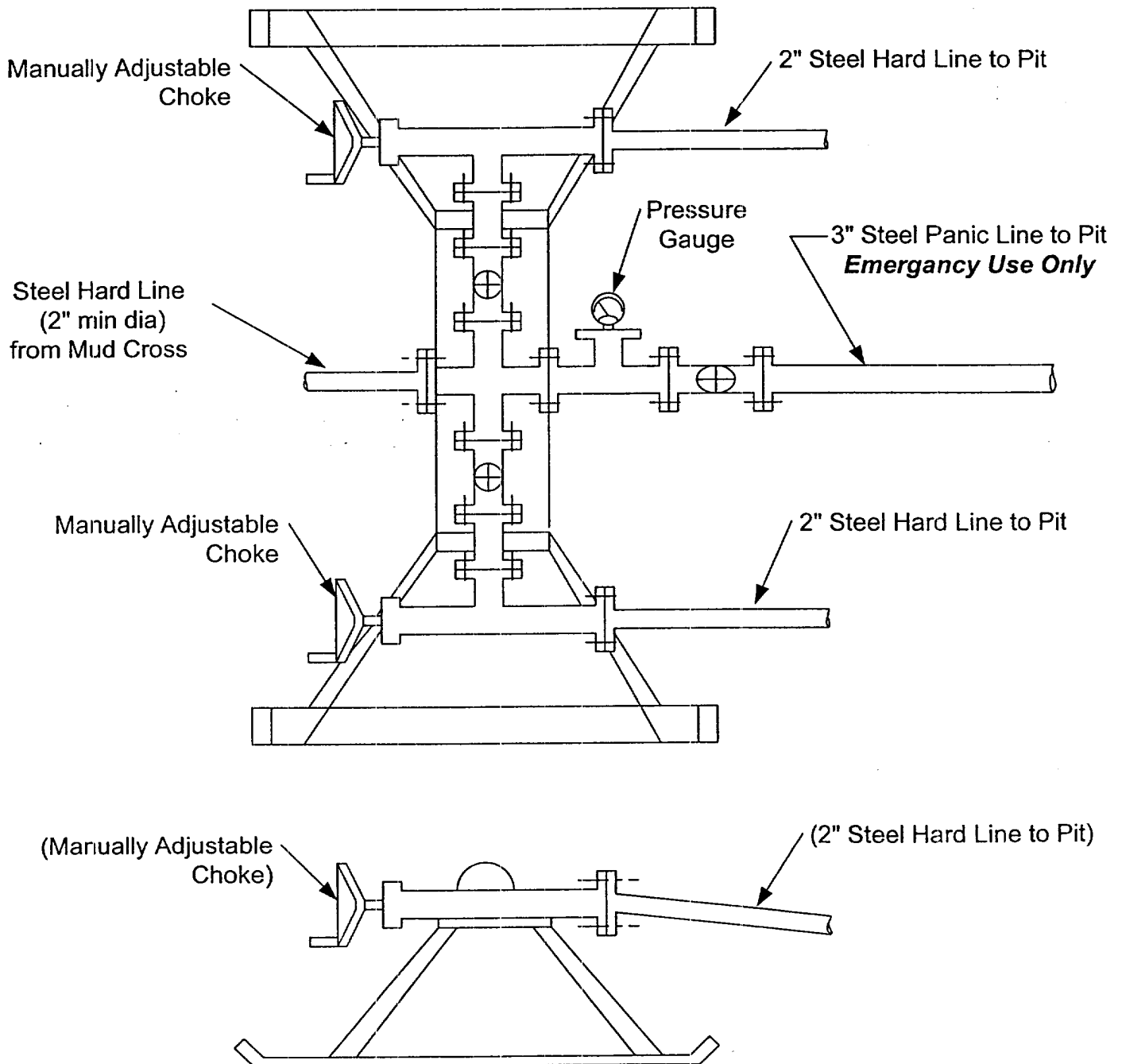
6. Have safety valve and subs to fit all sizes of drill string.



CHOKE MANIFOLD SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

1. Stake all lines from choke manifold to pit.
2. Pressure test choke manifold after installation.
3. Pressure test manifold at the same time with the BOP Stack. Test manifold to the same test pressures.

TESTING PROCEDURE



XTO ENERGY INC.
RIDDLE GAS COM A No. 1...
NE/4 SEC. 9, T-27-N, R-9-W, N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO
2110 FNL 1580 FEL

