

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address XTO Energy Inc. 2700 Farington Ave. Ste 1 Bldg K Farmington, NM 87401		² OGRID Number 167067
³ Property Code 23073	⁵ Property Name Morris Gas Com	⁴ API Number 30-045-32642
⁹ Proposed Pool 1 Basin Fruitland Coal		⁶ Well No. #2
¹⁰ Proposed Pool 2		

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
I	26	29N	10W		1,810'	South	470'	East	San Juan <input checked="" type="checkbox"/>

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

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code P (fee)	¹⁵ Ground Level Elevation 5,557'
¹⁶ Multiple No	¹⁷ Proposed Depth 2,000'	¹⁸ Formation Fruitland Coal	¹⁹ Contractor Stewart Brothers	²⁰ Spud Date Fall 2004
Depth to Groundwater >100 feet		Distance from nearest fresh water well >1 mile		Distance from nearest surface water > 1/2 mile
Pit: Liner: Synthetic <input checked="" type="checkbox"/> 12_mils thick Clay <input type="checkbox"/> Pit Volume: 1,000_bbls Drilling Method: Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				
Closed-Loop System <input type="checkbox"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24.0#/ft	225'	150 sx	Surface
7-7/8"	5-1/2"	15.5#	2,000'	325 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.

Surface: 150 sx Type III cement w/2% CC & 1/4# cello mixed @ 14.5 ppg, 1.41 cuft/sx. Circ cement to surf.

Production: 150 sx (lead) Type III cement w/8% gel, 1/4#/sx cello mixed @ 11.9 ppg, 2.54 cuft/sx followed by 80 sx (tail) Type III cement w/1% CC & 1/4# cello mixed @ 14.5 ppg, 1.41 cuft/sx. Circ cement to surf.

Final cement volumes will be 40% over open hole log volumes. Cement additives may change based on well conditions and availability of the additives. Cement densities will not be changed.

BOP diagram is attached.

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 the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☒, or an (attached) alternative OCD-approved plan ☐.

Printed name:
Title: Drilling Engineer

E-mail Address: Jeff_Patton@XTOEnergy.com

Date: 9/28/04

Phone: 505 - 324 - 1090

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached ☐

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102

Revised June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-32642	² Pool Code 71629	³ Pool Name BASIN FRUITLAND CORP
⁴ Property Code 23073	⁵ Property Name MORRIS GAS COM	⁶ Well Number 2
⁷ OGRID No. 167067	⁸ Operator Name XTO ENERGY INC.	⁹ Elevation 5557'

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
1	26	29-N	10-W		1810	SOUTH	470	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

¹² Dedicated Acres 370 S/2	¹³ Joint or Infill I	¹⁴ Consolidation Code	¹⁵ Order No.
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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

16		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>10-25-04</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: <u>10-25-04</u> Signature and Seal of Professional Surveyor: <u>John A. Vukovich</u> Certificate Number: <u>14831</u>

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.

ROTATING HEAD
OR STRIPPING
(DIVERTING)
HEAD

FILL UP LINE

FLOW LINE
TO PIT

BLIND
RAMS

PIPE
RAMS

SCREW ON
DRILLING FLANGE

FILL-UP /
KILL LINE
2" dia min.

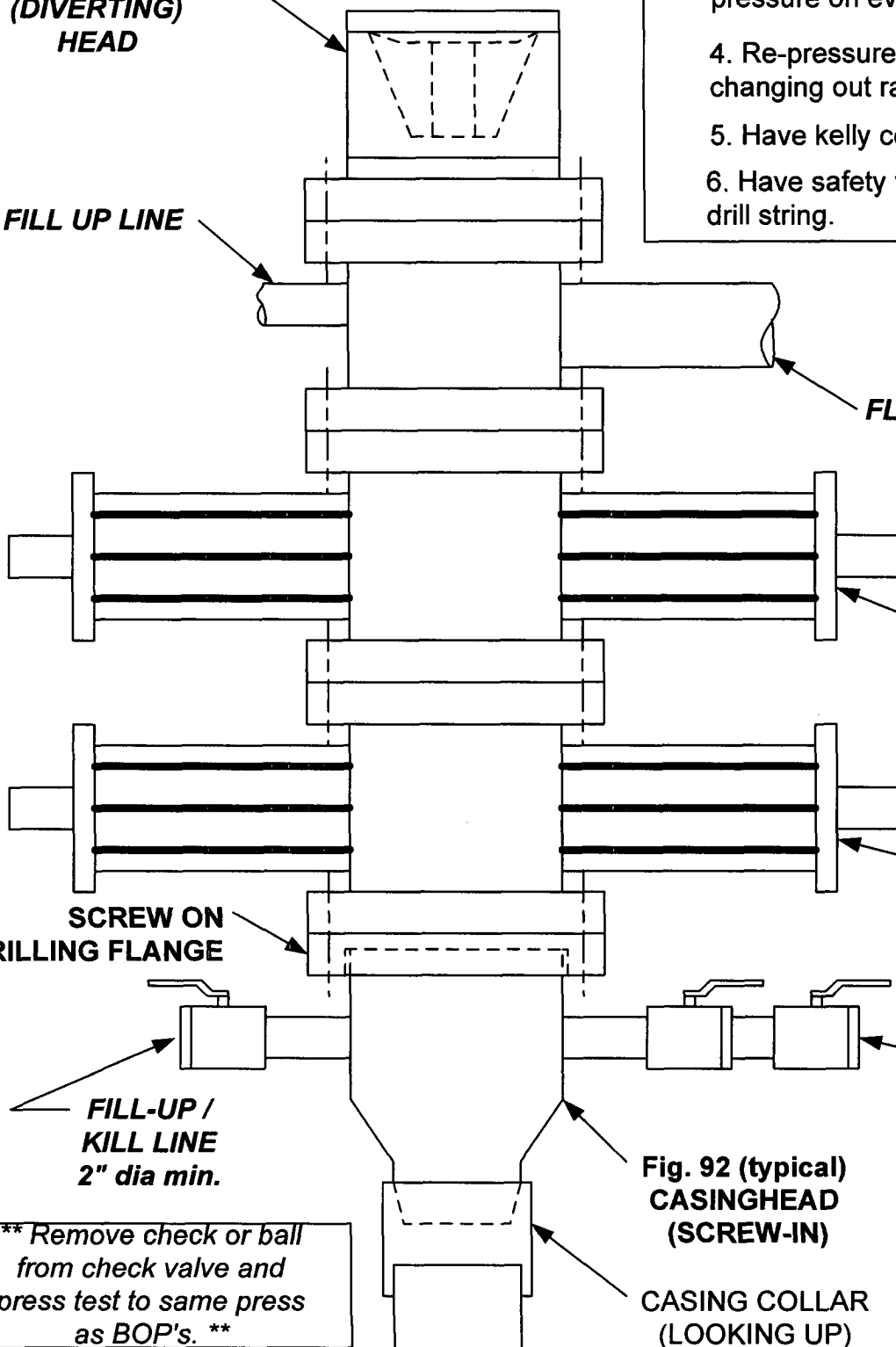
TO
ADJUSTABLE
CHOKE
MANIFOLD
2" dia min.

Fig. 92 (typical)
CASINGHEAD
(SCREW-IN)

CASING COLLAR
(LOOKING UP)

** Remove check or ball
from check valve and
press test to same press
as BOP's. **

See Choke Manifold drawing for
specifications



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

