

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires March 31, 2007

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. BITA 142060462	
1b. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name Ute Mountain Ute	
2. Name of Operator XTO Energy Inc.		7. Unit or CA Agreement Name and No. N/A	
3a. Address 2700 Farmington Ave., Bldg. K, Ste 1 Farmington, NM		8. Lease Name and Well No. Ute Indians A #57	
3b. Phone No. (include area code) 505-324-1090		9. API Well No. 30-045-34155	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface 870' FSL x 1710' FWL in Sec 27, T32N, R14W At proposed prod. zone SAME		10. Field and Pool, or Exploratory, Barker Ute Dome T32N, R14W	
11. Sec., T., R., M., or Blk. and Survey or Area (N) Sec 27, T32N, R14W		12. County or Parish San Juan	
13. State NM		14. Distance in miles and direction from nearest town or post office* Approximately 14 miles Northwest of Farmington, NM post office	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) 870'		16. No. of Acres in lease 600.59	
17. Spacing Unit dedicated to this well 160 SW		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1000'	
19. Proposed Depth 8850'		20. BLM/BIA Bond No. on file UTB 000138	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 6015' Ground Elevation		22. Approximate date work will start* January 2007	
23. Estimated duration 4 weeks		24. Attachments Venting / Flaring approved for 30 days per NTL-4A	

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|-------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized officer. |

RCVD FEB8'07
OIL CONS. DIV.
DIST. 3

25. Signature <i>Kyle Vaughan</i>	Name (Printed/Typed) Kyla Vaughan	Date 09/13/06
Title Regulatory Compliance Tech	APPROVED FOR A PERIOD NOT TO EXCEED 1 YEAR.	
Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed) Brian W. Davis	Date 2/6/07
Title Assistant Center Manager Physical Resources	Office San Juan Public Lands Center	FEB 06 2007

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make 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.

*(Instructions on page 2)

Approval of this agreement does not warrant or certify that the operator thereof and other holders of operating rights hold legal or equitable title to those rights in the subject lease which are committed hereto...

NOTIFY AZTEC OGD 24 hrs
IN TIME TO WITNESS *agreement* SEP 15 2006

Bureau of Land Management
Durango, Colorado

2/13/07

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

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

*API Number 30-045-34155	*Prod No 96354	*Well Name Barker Dome Is may
*Property Code 22645	*Property Name UTE INDIANS A	*Elevation 57
*CORD No. H07067-5380	*Operator Name XTO ENERGY INC.	*Elevation 6015

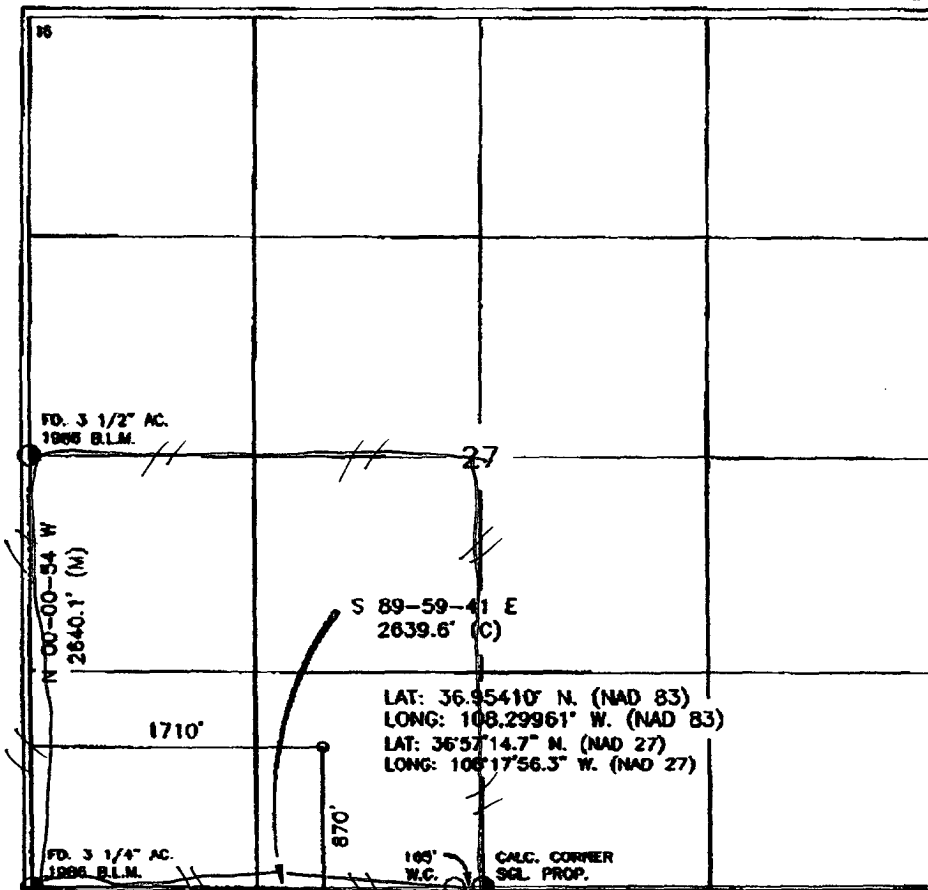
¹⁰ Surface Location

UL or lot no. N	Section 27	Township 32-N	Range 14-W	Lot Idn 400	Feet from the 870	North/South line SOUTH	Feet from the 1710	East/West line WEST	County SAN JUAN
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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 Deducted Acres 160			¹³ Joint or Infill		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



17 OPERATOR CERTIFICATION

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

Signature Kelly L. Small
Printed Name Kelly L. Small
Title Regulatory Compliance
Date 9/10/06

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plot 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 Issue: 12/10/2006
 Signature of: [Signature] District Surveyor
 14831
 206
 REGISTERED PROFESSIONAL SURVEYOR
 Certificate Number:

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
May 27, 2004

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. <u>30-045-34155</u>
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator <u>XTO Energy Inc.</u>		6. State Oil & Gas Lease No. <u>BTA 142060462</u>
3. Address of Operator <u>2700 Farmington Ave., Bldg. K. Ste 1 Farmington, NM 87401</u>		7. Lease Name or Unit Agreement Name: <u>Ute Indians A</u>
4. Well Location Unit Letter <u>N</u> : <u>870</u> feet from the <u>South</u> line and <u>1710</u> feet from the <u>West</u> line Section <u>27</u> Township <u>32N</u> Range <u>R14W</u> NMPM <u>NMPM</u> County <u>SAN JUAN</u>		8. Well Number <u>#57</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <u>6015' Ground Elevation</u>		9. OGRID Number <u>167067</u>
Pit or Below-grade Tank Application <input checked="" type="checkbox"/> or Closure <input type="checkbox"/> Pit type <u>DRILL</u> Depth to Groundwater <u>>100</u> Distance from nearest fresh water well <u>>1000</u> Distance from nearest surface water <u>>1000</u> Pit Liner Thickness: <u>12</u> mil Below-Grade Tank: Volume _____ bbls; Construction Material _____		
10. Pool name or Wildcat <u>Ute Dome Paradox</u>		

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data	
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/> PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>
OTHER: <u>PIT</u> <input checked="" type="checkbox"/>	OTHER: <input type="checkbox"/>

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

XTO Energy intends to install a pit on location for drilling.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Kyla Vaughan TITLE Regulatory Compliance Tech DATE 09/13/06
E-mail address: kyla_vaughan@xtoenergy.com
Type or print name Kyla Vaughan Telephone No. 505-564-6726

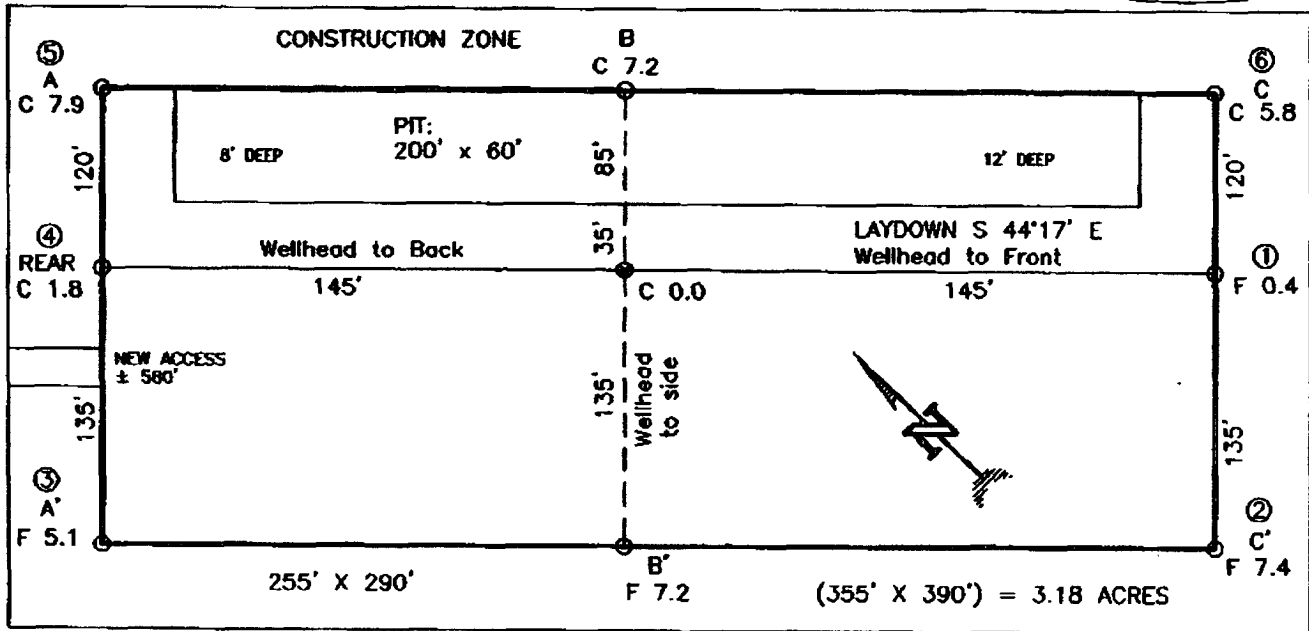
For State Use Only

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 43 DATE FEB 13 2007
Conditions of Approval, if any:

EXHIBIT D

XTO ENERGY INC.
 UTE INDIANS A No. 57, 870 FSL 1710 FWL
 SECTION 27, T32N, R14W, N.M.P.M., SAN JUAN COUNTY, N. M.
 GROUND ELEVATION: 6015' DATE: JANUARY 31, 2006

NAD 83
 LAT. = 36.95410° N
 LONG. = 108.29961° W
 NAD 27
 LAT. = 36°57'14.7" N
 LONG. = 108°17'56.3 W

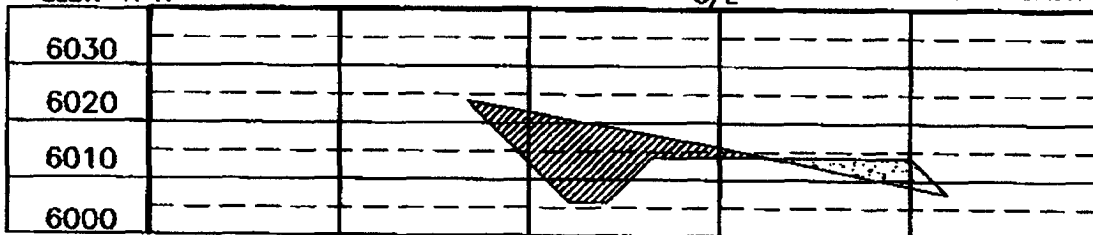


RESERVE PIT DIKE: TO BE 8" ABOVE DEEP SIDE (OVERFLOW - 3' WIDE AND 1' ABOVE SHALLOW SIDE).
 BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT.

NOTE: DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION.

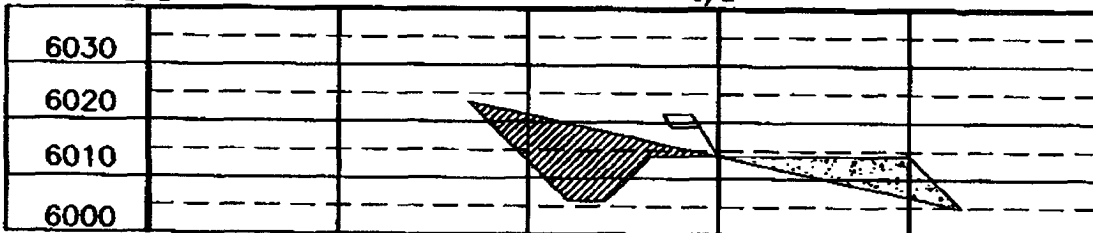
ELEV. A-A'

C/L



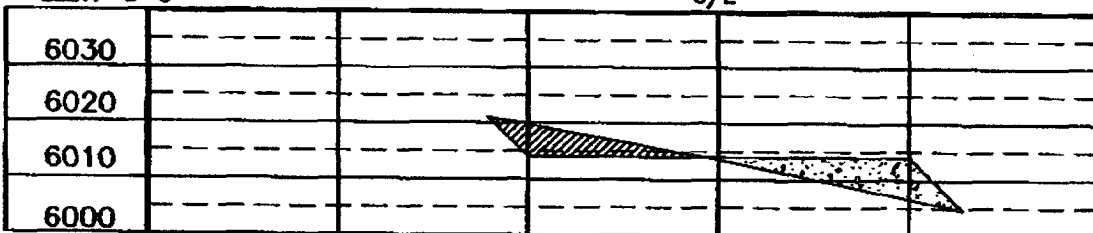
ELEV. B-B'

C/L



ELEV. C-C'

C/L



NOTE: CONTRACTOR SHOULD CALL ONE-CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

Daggett Enterprises, Inc.
 Surveying and Oil Field Services
 P. O. Box 15088 • Farmington, NM 87401
 Phone (505) 326-1772 • Fax (505) 326-6019
 NEW MEXICO L.S. No. 14831
 DATE: 01/16/06
 DRAWN BY: G.V.
 CHECKED BY: C.R.S.

EXHIBIT E

XTO ENERGY INC.

Ute Indians A #57

APD Data

November 9, 2006

RECEIVED

DEC 4 2006

**Bureau of Land Management
Durango Colorado**Location: 870' FSL x 1710' FWL Sec 27, T32N, R14W County: San JuanState: New MexicoGREATEST PROJECTED TD: 8850'
APPROX GR ELEV: 6015'OBJECTIVE: Ute Dome Paradox
Est KB ELEV: 6027' (12' AGL)**1. MUD PROGRAM:**

INTERVAL	0' to 360'	360' to 2500'	2500' to 8850
HOLE SIZE	12.25"	8.75"	8.75"
MUD TYPE	FW/Spud Mud	FW/Polymer	LSND / Gel Chemical
WEIGHT	8.6-9.0	8.4-8.8	8.6-9.20
VISCOSITY	28-32	28-32	45-60
WATER LOSS	NC	NC	8-10

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes.

2. CASING PROGRAM:Surface Casing: 9.625" casing to be set at $\pm 360'$ in a 12-1/4" hole filled with 9.20 ppg mud

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-360'	360'	36.0#	J-55	ST&C	2020	3520	394	8.921	8.765	11.73 0	20.44	30.40

Production Casing: 5.5" casing to be set at TD ($\pm 8850'$) in 8.75" hole filled with 9.20 ppg mud.

Interval	Length	Wt	Gr	Cplg	Coll Rating (psi)	Burst Rating (psi)	Jt Str (M-lbs)	ID (in)	Drift (in)	SF Coll	SF Burst	SF Ten
0'-8850	8850'	17.0#	L-80	LT&C	6280	7740	348	4.892	4.767	1.48	1.83	2.31

3. WELLHEAD:

- A. Casing Head: C-22, 11" 3,000 psi WP, 9-5/8" 8-rnd with 2 2" line pipe outlets.
- B. Tubing Head: TCM 11" 3,000 psi WP by 7-1/16" 3,000 psi WP with two 2-1/16" 5,000 studded side outlets, with 9" BG Bottom Viton Seal. (Casing spool, if needed, C-22 11" 3,000 psi WP by 11" 3,000 psi WP, 18" tall.)

4. CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings):

A. Surface: 9.625", 36.0#, J-55, ST&C casing to be set at $\pm 360'$ in 12-1/4" hole.

~~162~~ sx of Type III cement (or equivalent) typically containing accelerator and LCM, mixed at 14.5 ppg, 1.39 ft³/sk, & 6.70 gal wtr/sk.

Total slurry volume is 225 ft³, 100% excess of calculated annular volume to 360'.

B. Production: 5.5", 17.0#, L-80, LT&C casing to be set at $\pm 8850'$ in 8.75" hole. DV Tool set @ $\pm 4650'$

1st Stage

LEAD:

~~±624~~ sx of Premium Lite HS (Type III/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 12.5 ppg, 2.01 ft³/sk, 10.55 gal wtr/sx.

TAIL:

~~150~~ sx Type III or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx.

2nd Stage

LEAD:

~~±596~~ sx of Type III or equivalent cement with 8% gel & LCM mixed at 11.9 ppg, 2.54 ft³/sk, 15.00 gal wtr/sx.

TAIL:

~~100~~ sx Type III neat mixed at 14.5 ppg, 1.39 cuft/sx, 6.3 gal/sx.

Total estimated slurry volume for the 5-1/2" production casing is 3138 ft³.

Note: The slurry design may change slightly based upon actual conditions. Final cement volumes will be determined from the caliper logs plus 40%. It will be attempted to circulate cement to the surface.

5. LOGGING PROGRAM:

A. Mud Logger: The mud logger will come on at 2,900' and will remain on the hole until TD. The mud will be logged in 10' intervals.

B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (8850') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (8850') to 3,000'.

6. FORMATION TOPS:

Est. KB Elevation: 6027'

FORMATION	Sub-Sea Elev.	WELL DEPTH	FORMATION	Sub-Sea Elev.	WELL DEPTH
Gallup SS	4608	1,419	Chinle Fmtn	2031	3,996
Greenhorn LS	3874	2,153	Shinarump Congl.	1378	4,649
Graneros Shale	3817	2,210	Moenkopi Fmtn	1251	4,776
Dakota SS	3749	2,278	Cutler Group	976	5,051
Burro Canyon SS	3540	2,487	Hermosa Group	-835	6,862
Morrison Fmtn	3514	2,513	Paradox Fmtn	-1642	7,669
Bluff SS	3050	2,977	Ismay Member*	-1800	7,827
Summerville Fmtn	2660	3,367	Desert Creek *	-2003	8,030
Todilto LS	2541	3,486	Akah *	-2118	8,145
Entrada SS	2521	3,506	Barker Creek*	-2292	8,319
Carmel Fmtn	2420	3,607	Alkali Gulch	-2526	8,553
Wingate SS	2280	3,747	Total Depth	-2823	8,850

* Primary Objective

** Secondary Objective

**** Maximum anticipated BHP should be <5,000 psig (<0.58 psi/ft) ****

7. ANTICIPATED OIL, GAS, & WATER ZONES:

- Oil & Gas Zones are anticipated at 2278'-2977' & 7827'-8553'.
- No Appreciable Water Zones are anticipated.
- Appropriately weighted mud will be used to isolate potential gas, oil, and water zones until such time as casing can be cemented into place for zonal isolation.
- Once the surface shoe is drilled the well will be treated as a potential source of H₂S.

8. COMPANY PERSONNEL:

Name	Title	Office Phone	Home Phone
John Egelston	Drilling Engineer	505-564-6734	505-330-6902
Jerry Lacy	Drilling Superintendent	505-566-7917	505-320-6543
Reed Meek	Project Geologist	817-885-2800	--

JWE
11/9/06

RECEIVED

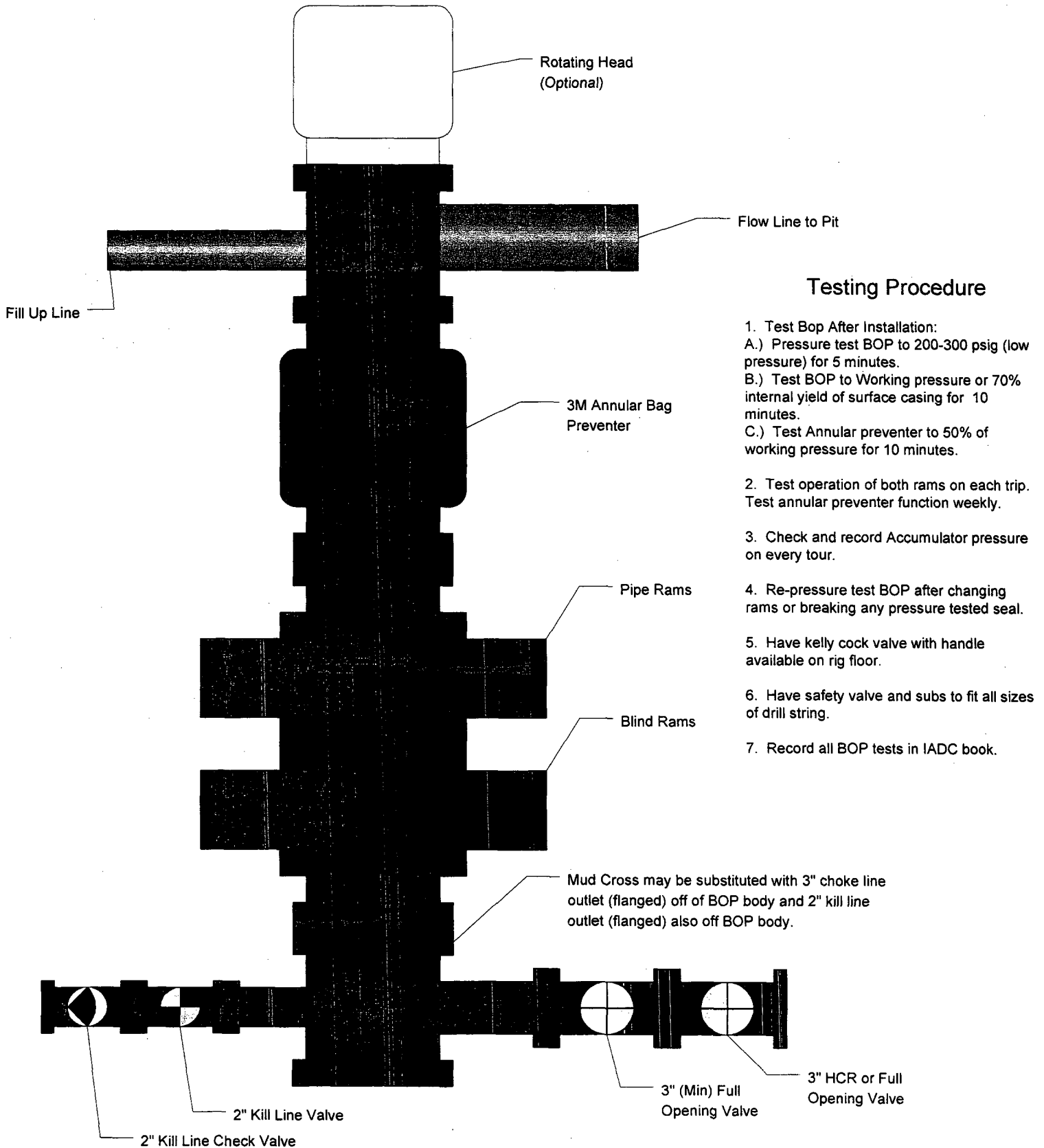
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Bureau of Land Management
Durango Colorado

XTO Energy

3M BOP Stack

11/8/2006



Testing Procedure

1. Test Bop After Installation:
 - A.) Pressure test BOP to 200-300 psig (low pressure) for 5 minutes.
 - B.) Test BOP to Working pressure or 70% internal yield of surface casing for 10 minutes.
 - C.) Test Annular preventer to 50% of working pressure for 10 minutes.
2. Test operation of both rams on each trip. Test annular preventer function weekly.
3. Check and record Accumulator pressure on every tour.
4. Re-pressure test BOP after changing rams or breaking any pressure tested seal.
5. Have kelly cock valve with handle available on rig floor.
6. Have safety valve and subs to fit all sizes of drill string.
7. Record all BOP tests in IADC book.

