

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy Inc.

3a. Address

2700 Farmington Ave., Bldg. K. Ste 1 Farmington,

3b. Phone No. (include area code)

505-324-1090

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

665' FSL x 775' FEL in Sec 21, T26N, R11W Surf
2290' FSL x 1760' FEL in Sec 21, T26N, R11W Bottom

5. Lease Serial No.

NMSF-078899

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA/Agreement, Name and/or No.

N/A

8. Well Name and No.

Berger A #2S

9. API Well No.

30-045-32985

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan NM

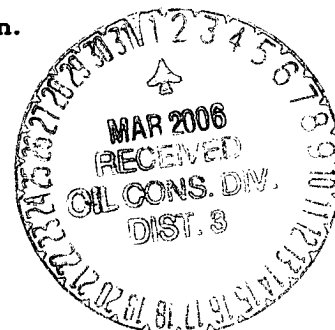
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☒ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	<u>horizontal drill</u>
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

Upon further engineering review, XTO would is requesting to drill this well horizontally instead of vertical.

Please see attached revised C-102 drilling program and ^{directional} ~~deviated~~ well plan.



HOLD C104 FOR Directional Survey

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

Kyla Vaughan

Title

Regulatory Compliance Tech

Date 02/16/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Pet. Eng

Date

2/27/06

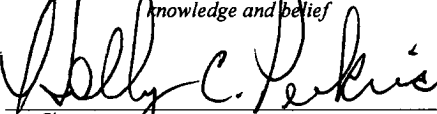
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FFO

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

NMOCD

		OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</i>  Signature	
		Holly C. Perkins Printed Name	
		Regulatory Compliance Tech Title	
		2/15/2006 Date	
		SURVEYOR CERTIFICATION <i>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.</i> 9/28/2004 Date of Survey	
Original Survey Signed By: JOHN A. VUKONICH		14831 Certificate Number	

XTO ENERGY INC.

Berger A #2S

Sundry Notice

February 15, 2006

Surface Location: 665' FSL x 775' FEL Sec 21, T26N, R11W

Bottomhole Location: 2290' FSL x 1760' FEL Sec 21, T26N, R11W

County: San Juan Co.

State: New Mexico

GREATEST PROJECTED TVD: 1428'

APPROX GR ELEV: 6228'

GREATEST PROJECTED MD: 3104.7'

Est KB ELEV: 6240' (12' AGL)

OBJECTIVE: Fruitland Coal

2. CASING PROGRAM:

Surface Casing: 9.625" casing to be set at $\pm 225'$ in a 12-1/4" hole filled with 8.40 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'-225'	225'	36.0#	J-55	ST&C	2020	3520	394	8.921	8.765	20.6	35.8	48.6

Intermediate Casing: 7" casing to be set at $\pm 1600'$ MD, 1413' TVD in a 8.75" hole filled with 8.4 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'-1600'	1600'	20#	J-55	ST&C	2270	3740	234	6.456	6.331	3.680	6.060	7.310

Production Casing: 4.5" casing to be set at $\pm 3104.7'$ MD, 1428' TVD in 6.25" hole filled with 8.40 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'-3104.7'	3104.7'	11.6#	J-55	ST&C	4960	5350	154	4	3.875	7.950	8.580	4.280

3. WELLHEAD:

- Casing Head: WHI QDF System (or equivalent), 9-5/8" x 7", 3,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread ST&C pin end on bottom and 4-1/2" slips on top.
- Tubing Head: WHI W2F (or equivalent), 7.063" nominal, 5,000 psig WP (5,000 psig test), 5-1/2" slip-on or weld-on.

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

A. Surface: 9.625", 36.0#, J-55, ST&C casing to be set at $\pm 225'$ in 12-1/4" hole.

140 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 ¹⁹⁵~~177~~ ft³, 100% excess of calculated annular volume to 225'.

B. Intermediate: 7", 20#/ft, J-55, ST&C casing to be set at $\pm 1600'$ MD, 1413' TVD in 8.75" hole.

LEAD:

± 56.46 sx of Premium Lite High Strength FM + 2% bwoc Potassium Chloride + 0.5 lbs/sack Cello Flake + 0.2% bwoc CD-32 + 0.5% bwoc FL-52 + 2% bwoc Pheno Seal (Mixed at 12.5 ppg, 2.01 cuft/sk, 10.55 gal water/sk)

TAIL:

150.00 sx Type III Cement + 0.25 lbs/sack Cello Flake + 0.3% bwoc CD-32 + 0.2% bwoc FL-52 + 5% bwoc A-10 + 2% bwoc Pheno Seal (Mixed at 14.2 ppg, 1.54 cuft/sk, 7.51 gal Water/sk)

Total estimated slurry volume for the 7" production casing is ³⁴⁴~~355.30~~ ft³.

C. Production: 4.5", 11.6#/ft, K-55, ST&C casing is to be set at 3104.7' MD, 1428' TVD in 6.25" hole.

The production string will not be cemented in place.

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.

6. FORMATION TOPS:

Est. KB Elevation: 6240'

FORMATION	TV Sub-Sea	TVD	Measured Depth
Ojo Alamo SS	5827	413	420
Kirtland Shale	5734	506	515
Farmington SS			
Fruitland Formation	5377	863	878
Lower Fruitland Coal*	4828	1412	1437
TD	4812	1428	2,977

* Primary Objective

** Secondary Objective

**** Maximum anticipated BHP should be <2,000 psig (<0.30 psi/ft) *****

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 10 min.

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

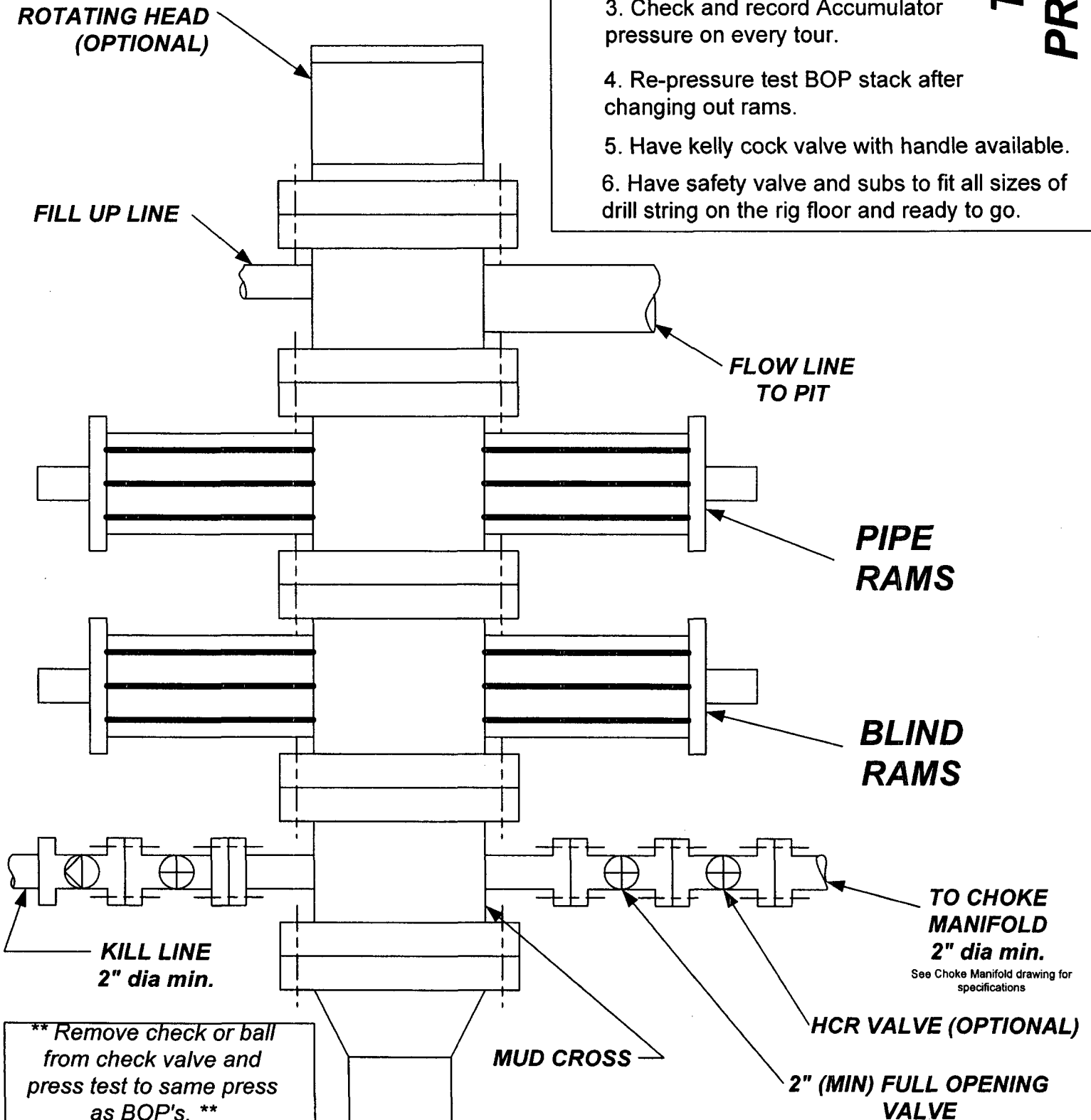
2. Test operation of (both) rams on every trip.

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.

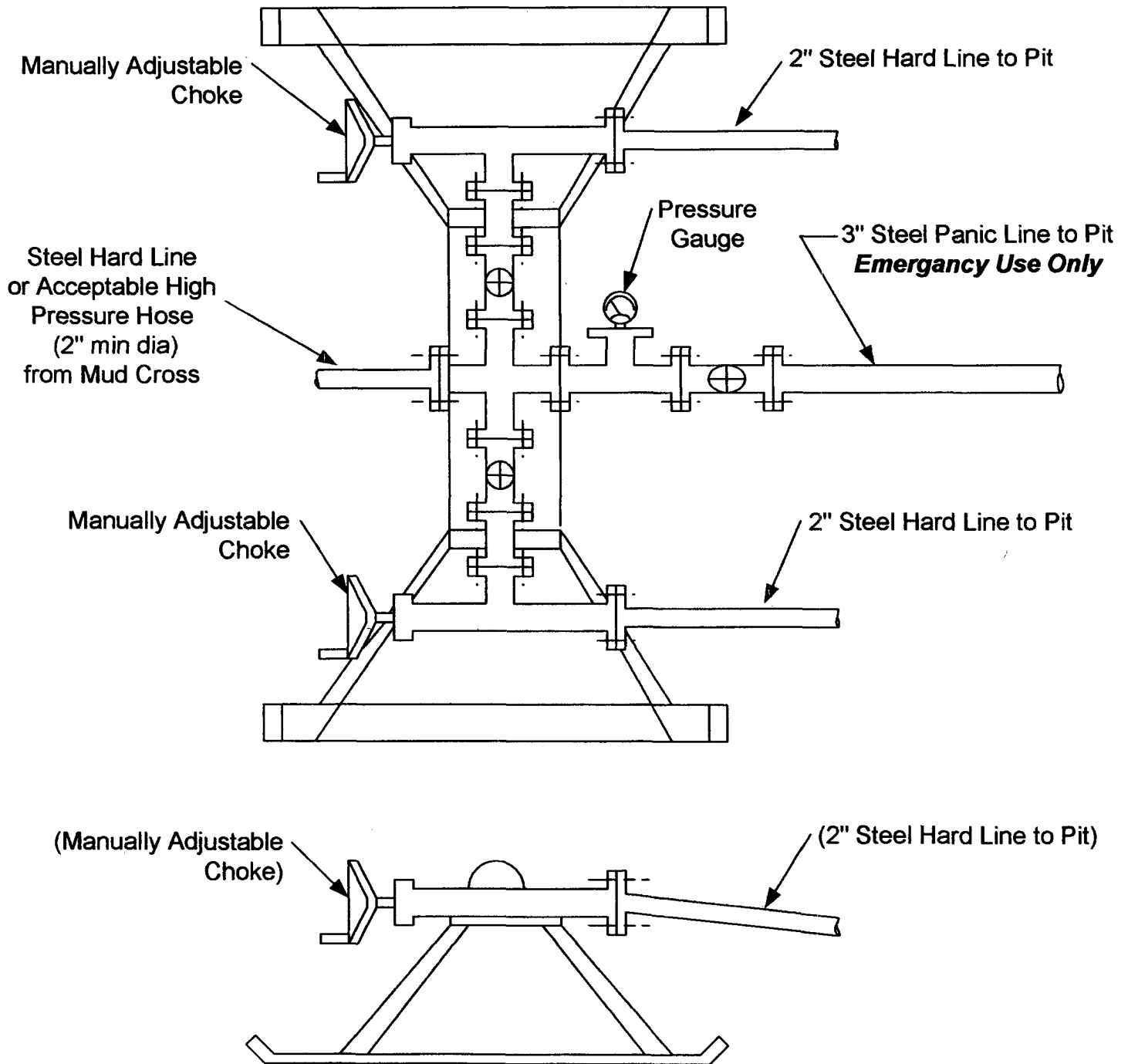
6. Have safety valve and subs to fit all sizes of drill string on the rig floor and ready to go.



CHOKES 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

Field: San Juan County, NM
Site: Berger A #2S
Well: Berger A #2S
Wellpath: OH
Plan: Plan #1

COMPANY DETAILS

XTO Energy

Calculation Method: Minimum Curvature
Error System: Systematic Ellipse
X-axis Method: Ellipse Approach MD
Y-axis Method: Ellipse Approach
Warning Method: Error Ratio

PATHFINDER

ENERGY SERVICES

WELL DETAILS

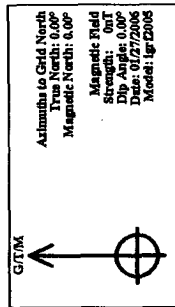
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shot
Berger A #2S	0.00	0.00	0.00	0.00	30°59'24.512"N	105°55'44.137"W	N/A

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLog	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	907.13	0.00	0.00	907.13	0.00	0.00	0.00	0.00	0.00	0.00
3	1725.31	90.00	328.78	1428.00	445.43	-270.00	11.00	328.78	520.87	PBHL
4	3104.66	90.00	328.78	1428.00	1625.00	-985.00	0.00	0.00	1900.22	PBHL

ANNOTATIONS

No.	TVD	MD	Annotation
1	907.13	907.13	KOP @ 907' MD 11°100' BR
2	1428.00	1725.31	End of Build @ 1725' MD



WELLPATH DETAILS

OH

Rig:	SITE	6240.00ft
Ref. Datum:	Origin	+E/-W
V. Section	Angle	328.78°
Starting	From TVD	0.00

SITE DETAILS

Berge A #2S
Ground Level: 6228.00
Positional Uncertainty: 0.00
Curve grade: 0.00

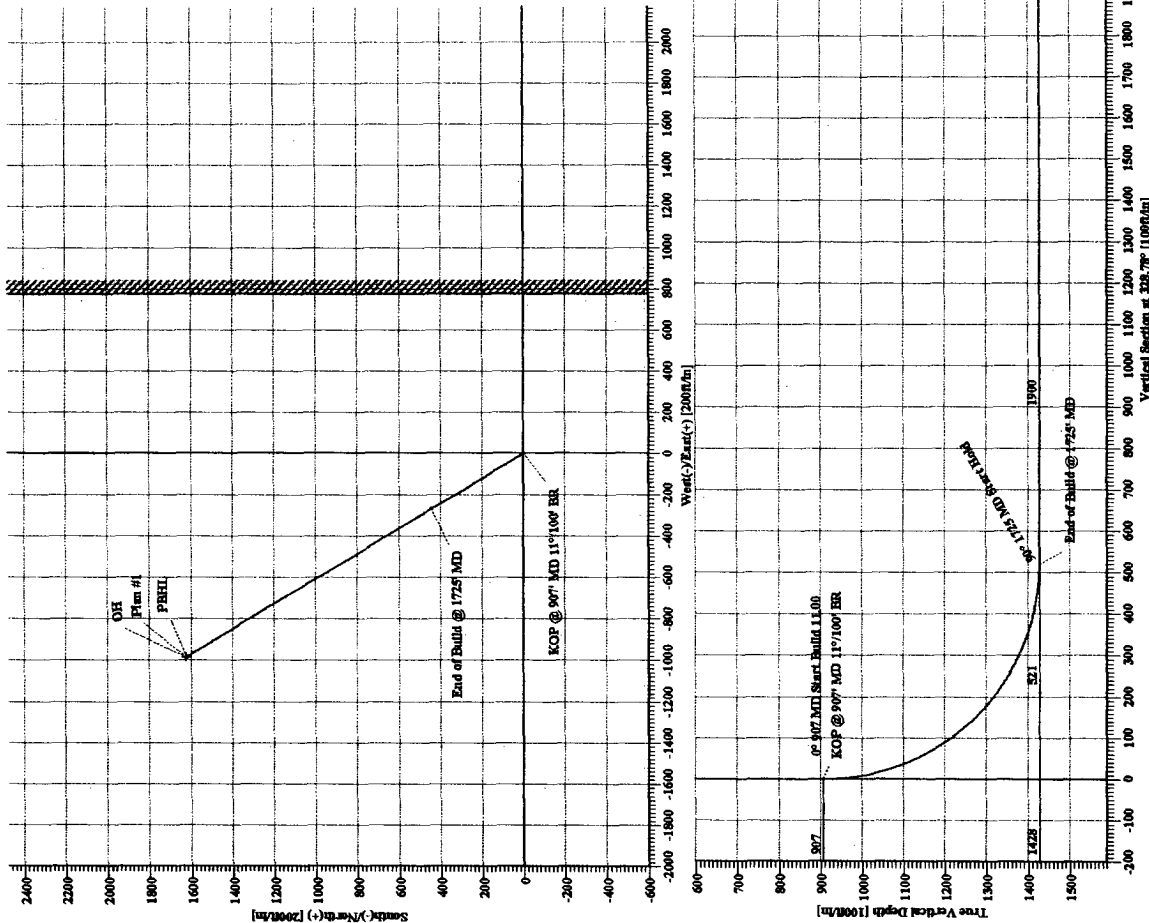
LEGEND

OH
Plan #1

Plan: Plan #1 (Berger A #2S/OH)

Created By: Matthew Routh

Date: 01/27/2006



PathFinder Energy Services

Pathfinder Lease Lines Report

Company: XTO Energy				Date: 01/27/2006		Time: 15:56:54		Page: 1		
Field: San Juan County, NM				Co-ordinate(NE) Reference: Well: Berger A #2S, Grid North						
Site: Berger A #2S				Vertical (TVD) Reference: SITE 6240.0						
Well: Berger A #2S				Section (VS) Reference: Well (0.00N,0.00E,328.78Azi)						
Wellpath: OH				Survey Calculation Method: Minimum Curvature				Db: Sybase		
Plan: Plan #1				Date Composed: 01/27/2006						
				Version: 1						
Principal: Yes				Tied-to: From Surface						
Field: San Juan County, NM										
Map System: US State Plane Coordinate System 1927					Map Zone: New Mexico, Eastern Zone					
Geo Datum: NAD27 (Clarke 1866)					Coordinate System: Well Centre					
Sys Datum: Mean Sea Level					Geomagnetic Model: igrf2005					
Site: Berger A #2S										
Site Position:		Northing:		ft		Latitude:				
From: Lease Line		Easting:		ft		Longitude:				
Position Uncertainty: 0.00 ft						North Reference:		Grid		
Ground Level: 6228.00 ft						Grid Convergence:		0.00 deg		
Well: Berger A #2S										
Well Position: +N/-S 0.00 ft					Slot Name:					
+E/-W 0.00 ft										
Position Uncertainty: 0.00 ft										
					Latitude: 30 59 24.512 N					
					Longitude: 105 55 44.137 W					
Wellpath: OH										
Current Datum: SITE					Drilled From: Surface					
Magnetic Data: 01/27/2006					Tie-on Depth: 0.00 ft					
Field Strength: 0 nT					Above System Datum: Mean Sea Level					
Vertical Section: Depth From (TVD)					Declination: 0.00 deg					
ft					Mag Dip Angle: 0.00 deg					
+N/-S ft					+E/-W ft					
					Direction deg					
0.00					0.00					
					0.00					
					328.78					
Casing Points										
MD	TVD	Diameter	Hole Size	Name						
Plan Section Information										
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
907.13	0.00	0.00	907.13	0.00	0.00	0.00	0.00	0.00	0.00	
1725.31	90.00	328.78	1428.00	445.43	-270.00	11.00	11.00	0.00	328.78	
3104.66	90.00	328.78	1428.00	1625.00	-985.00	0.00	0.00	0.00	0.00	PBHL
Survey										
MD ft	Incl deg	Azim deg	TVD ft	Subsea ft	N/S ft	E/W ft	LLNS ft	LLEW ft		
0.00	0.00	0.00	0.00	-6240.00	0.00	0.00	665.00	775.00		
100.00	0.00	0.00	100.00	-6140.00	0.00	0.00	665.00	775.00		
200.00	0.00	0.00	200.00	-6040.00	0.00	0.00	665.00	775.00		
300.00	0.00	0.00	300.00	-5940.00	0.00	0.00	665.00	775.00		
400.00	0.00	0.00	400.00	-5840.00	0.00	0.00	665.00	775.00		
500.00	0.00	0.00	500.00	-5740.00	0.00	0.00	665.00	775.00		
600.00	0.00	0.00	600.00	-5640.00	0.00	0.00	665.00	775.00		
700.00	0.00	0.00	700.00	-5540.00	0.00	0.00	665.00	775.00		
800.00	0.00	0.00	800.00	-5440.00	0.00	0.00	665.00	775.00		
900.00	0.00	0.00	900.00	-5340.00	0.00	0.00	665.00	775.00		
907.13	0.00	0.00	907.13	-5332.87	0.00	0.00	665.00	775.00		
1000.00	10.22	328.78	999.51	-5240.49	7.06	-4.28	672.06	779.28		

PathFinder Energy Services

Pathfinder Lease Lines Report

Company: XTO Energy
Field: San Juan County, NM
Site: Berger A #2S
Well: Berger A #2S
Wellpath: OH

Date: 01/27/2006 **Time:** 15:56:54 **Page:** 2
Co-ordinate(NE) Reference: Well: Berger A #2S, Grid North
Vertical (TVD) Reference: SITE 6240.0
Section (VS) Reference: Well (0.00N,0.00E,328.78Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	Subsea ft	N/S ft	E/W ft	LLNS ft	LLEW ft
1100.00	21.22	328.78	1095.62	-5144.38	30.19	-18.30	695.19	793.30
1200.00	32.22	328.78	1184.81	-5055.19	68.58	-41.57	733.58	816.57
1300.00	43.22	328.78	1263.79	-4976.21	120.81	-73.23	785.81	848.23
1400.00	54.22	328.78	1329.67	-4910.33	184.97	-112.12	849.97	887.12
1500.00	65.22	328.78	1380.02	-4859.98	258.70	-156.81	923.70	931.81
1600.00	76.22	328.78	1413.00	-4827.00	339.30	-205.67	1004.30	980.67
1700.00	87.22	328.78	1427.39	-4812.61	423.79	-256.88	1088.79	1031.88
1725.31	90.00	328.78	1428.00	-4812.00	445.43	-270.00	1110.43	1045.00
1800.00	90.00	328.78	1428.00	-4812.00	509.30	-308.71	1174.30	1083.71
1900.00	90.00	328.78	1428.00	-4812.00	594.82	-360.55	1259.82	1135.55
2000.00	90.00	328.78	1428.00	-4812.00	680.33	-412.39	1345.33	1187.39
2100.00	90.00	328.78	1428.00	-4812.00	765.85	-464.22	1430.85	1239.22
2200.00	90.00	328.78	1428.00	-4812.00	851.36	-516.06	1516.36	1291.06
2300.00	90.00	328.78	1428.00	-4812.00	936.88	-567.89	1601.88	1342.89
2400.00	90.00	328.78	1428.00	-4812.00	1022.40	-619.73	1687.40	1394.73
2500.00	90.00	328.78	1428.00	-4812.00	1107.91	-671.57	1772.91	1446.57
2600.00	90.00	328.78	1428.00	-4812.00	1193.43	-723.40	1858.43	1498.40
2700.00	90.00	328.78	1428.00	-4812.00	1278.95	-775.24	1943.95	1550.24
2800.00	90.00	328.78	1428.00	-4812.00	1364.46	-827.07	2029.46	1602.07
2900.00	90.00	328.78	1428.00	-4812.00	1449.98	-878.91	2114.98	1653.91
3000.00	90.00	328.78	1428.00	-4812.00	1535.49	-930.75	2200.49	1705.75
3100.00	90.00	328.78	1428.00	-4812.00	1621.01	-982.58	2286.01	1757.58
3104.66	90.00	328.78	1428.00	-4812.00	1625.00	-985.00	2290.00	1760.00