

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

Oil Conservation Division
1220 S. 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		² OGRID Number	
XTO Energy Inc.		5380	
382 CR 3100 Aztec, New Mexico 87410		³ API Number	
		30-045-35247	
⁴ Property Code	⁵ Property Name	⁶ Well No.	
33106 303623	FRPC 4	#2H	
⁹ Proposed Pool 1		¹⁰ Proposed Pool 2	
BASIN FRUITLAND COAL			

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
D	4	29N	13W	4	1057	EML	1106	FWL	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
N	4	29N	13W		700	FSL	1940	FWL	SAN JUAN

Additional Well Location

¹¹ Work Type Code	¹² Well Type Code	¹³ Cable/Rotary	¹⁴ Lease Type Code	¹⁵ Ground Level Elevation
NEW WELL	GAS	ROTARY	FEE	5432'
¹⁶ Multiple	¹⁷ Proposed Depth	¹⁸ Formation	¹⁹ Contractor	²⁰ Spud Date
N	4439'	BASIN FC		

²¹ Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12.25	9.625	36	225'	188	
8.75	7	23	1790'	83 (LEAD)	
8.75	7	23	1790'	100 (TAIL)	
6.125	4.5	10.5	4439'		

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.

See Attached Drilling Program and Directional Plan.

RCVD JAN 27 '11
OIL CONS. DIV.
DIST. 3

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature: <i>Malia Villers</i>		OIL CONSERVATION DIVISION	
Printed name: MALIA VILLERS		Approved by: <i>Charles</i> 2-23-2011	
Title: PERMITTING TECH.		Title: SUPERVISOR DISTRICT # 3	
E-mail Address: malia.villers@xtoenergy.com		Approval Date: FEB 23 2011	Expiration Date: FEB 23 2012
Date: 1/26/2011	Phone: 505-333-3100	Conditions of Approval Attached <input type="checkbox"/> FEB 23 2011	

Delay in approval due to operator out of country 5.9 F/A + I/A wells

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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 October 12, 2005

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 3004535247		*Pool Code 71629	*Pool Name Basin Fruitland Coal
*Property Code 303623	*Property Name FRPC 4		*Well Number # 2H
*OGRID No. 5380	*Operator Name XTO ENERGY, INC		*Elevation 5432

¹⁰ Surface Location

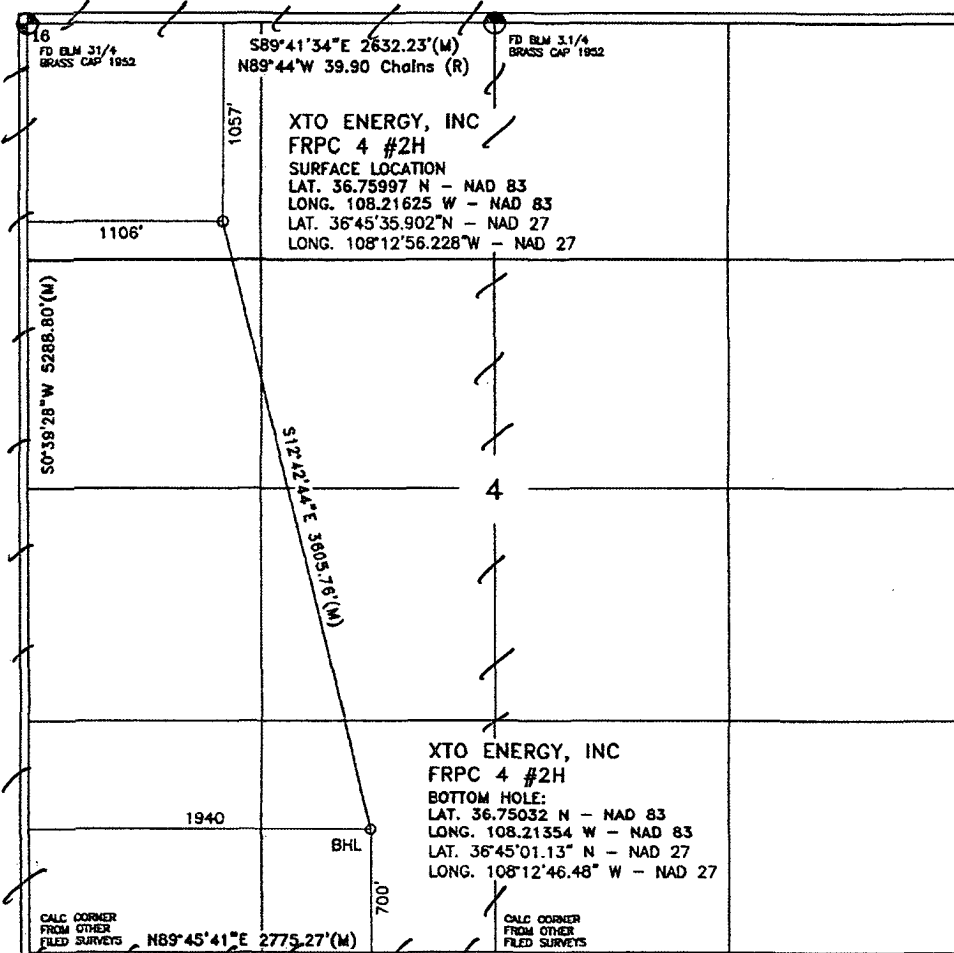
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	4	29-N	13-W	4	1057'	NORTH	1106'	WEST	SAN JUAN

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
N	4	29-N	13-W		700'	SOUTH	1940'	WEST	SAN JUAN

¹² Dedicated Acres w/1232015	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
--	-------------------------------	----------------------------------	-------------------------

No allowable will be assigned to this completion until all interest 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, 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.

Malia Villers 1/21/11
Signature Date
Malia Villers
Printed Name

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.

02 June 2010
Date of Survey
Signature of Registered Surveyor
WILLIAM E. MAHNKE, JR.
Certificat# 8466

XTO ENERGY INC.

FRPC 4 #2H

APD Data

January 25, 2011

Location: 1057' FNL x 1106' FWL Sec 4, T29N, R13W **County:** San Juan **State:** New Mexico
Bottomhole Location: 700' FSL x 1940' FWL Sec 4, T29N, R13W

GREATEST PROJECTED TVD: 1245'

APPROX GR ELEV: 5432'

GREATEST PROJECTED MD: 4439'

Est KB ELEV: 5444' (12' AGL)

OBJECTIVE: Fruitland Coal

1. MUD PROGRAM:

INTERVAL	0' to 225'	225' to 1790'	1790' to TD
HOLE SIZE	12.25"	8.75"	6.125"
MUD TYPE	FW/Spud Mud	FW/Polymer	FW/ Polymer
WEIGHT	8.6-9.0	8.4-9.2	8.4-8.6
VISCOSITY	28-32	28-36	28-36
WATER LOSS	NC	NC	NC

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning.

2. CASING PROGRAM:

Surface Casing: 9.625" casing to be set at ± 225' 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 ¹	SF Burst ²	SF Ten ³
0'-225'	225'	36.0#	J-55	ST&C	2020	3520	394	8.921	8.765	18.76	32.7	48.6

Intermediate Casing: 7" casing to be set at ±1790' MD, 1245' TVD 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 ¹	SF Burst ²	SF Ten ³
0'-1790	1790'	23.0#	J-55	ST&C	3270	4360	284	6.276	6.151	5.49	7.32	6.90

Production Casing: 4.5" casing to be set at ±4439' MD, 1245' TVD in 6.125" 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 ¹	SF Burst ²	SF Ten ³
1730'-4439'	2709'	10.5	J-55	ST&C	4010	4790	132	4.052	3.927	7.37	8.81	4.64

¹Collapse SF is based on evacuated annulus and hydrostatic at TVD.

²Burst SF is based on evacuated casing and hydrostatic at TVD.

³Tensile SF is based on hanging air weight of casing in a vertical hole at measured depth.

3. WELLHEAD:

- A. 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.
- B. 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 casing strings):

- A. Surface: 9.625", 36.0#, J-55, ST&C casing to be set at $\pm 225'$ in 13-1/2" hole.

± 188 sx of Type V cement (or equivalent) typically containing accelerator and LCM, mixed at 15.8 ppg, 1.17 ft³/sk, & 5.01 gal wtr/sk.

Total slurry volume is 220 ft³, 100% excess of calculated annular volume to 225'.

- B. Production Casing: 7", 23#/ft, J-55, ST&C casing to be set at $\pm 1790'$ MD, 1245' TVD in 8.75" hole.

LEAD:

± 83 sx of Type V (or equivalent) typically containing accelerator, LCM, dispersant, and fluid loss additives at 12.3 ppg, 2.36 ft³/sk, & 12.95 gal wtr/sk.

TAIL:

± 100 sx of Type V or Class G cement typically containing accelerator, LCM, dispersant, and fluid loss additives at 13.5 ppg, 1.81 ft³/sk, & 8.85 gal wtr/sk.

Total estimated slurry volume for the 7" production casing is 376 ft³.

- C. Production Liner: 4.5", 10.5#/ft, J-55, ST&C casing is to be set at 4439' MD, 1245' TVD in 6.125" hole.

The production liner will be set using an uncemented liner hanger. The liner may be tied back to surface during the completion of the well.

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

5. LOGGING PROGRAM:

- A. Mud Logger: A geologic consultant or unmanned mud logging unit will begin logging the well once the surface shoe is drilled out and remain on the well to TD.
- B. Open Hole Logs as follows: Gamma Ray from Surface shoe to TD.

6. **FORMATION TOPS:**

See attached Directional Program.

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

7. **COMPANY PERSONNEL:**

Name	Title	Office Phone	Home Phone
Justin Niederhofer	Drilling Engineer	505-333-3199	505-320-0158
Bobby Jackson	Drilling Superintendent	505-333-3224	505-486-4706
Brian Henthorn	Project Geologist	817-885-2800	--

JDN
1/25/11



Weatherford[®]

Drilling Services

Proposal



FRPC 4 #2H

SAN JUAN CO, NM

WELL FILE: **PLAN 3**

JANUARY 20,2011

Weatherford International, Ltd.

P.O. Box 61028
Midland, TX 79711 USA
+1.432.561.8892 Main
+1.432.561.8895 Fax
www.weatherford.com



FRPC 4 #2H
San Juan Co., New Mexico



Weatherford

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	167.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	290.07	0.00	167.28	290.07	0.00	0.00	0.00	0.00	0.00	0.00
3	1790.07	90.00	167.28	1245.00	-931.48	210.32	6.00	167.28	954.93	Pbhl
4	4438.50	90.00	167.28	1245.00	-3514.88	793.61	0.00	0.00	3603.36	Pbhl

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Pbhl	1245.00	-3514.88	793.61	36°45'01.152N	108°12'48.744W	Point

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
FRPC 4 #2H	0.00	0.00	2096177.43	2610931.72	36°45'35.909N	108°12'58.496W	N/A

SITE DETAILS

FRPC 4 #2H
Site Centre Latitude: 36°45'35.909N
Longitude: 108°12'58.496W
Ground Level: 5432.00
Positional Uncertainty: 0.00
Convergence: -0.23

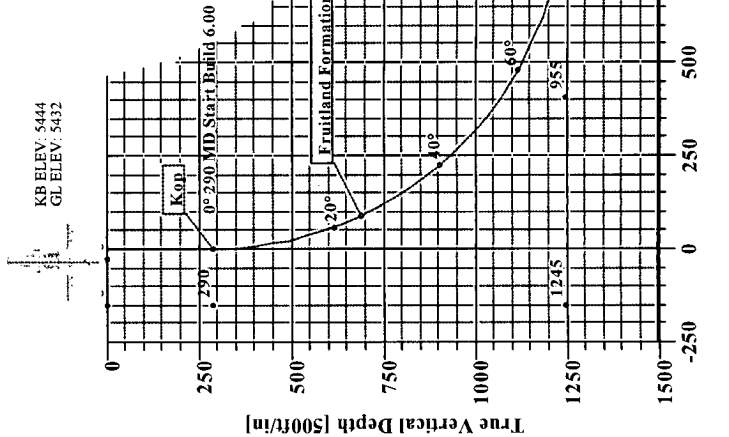
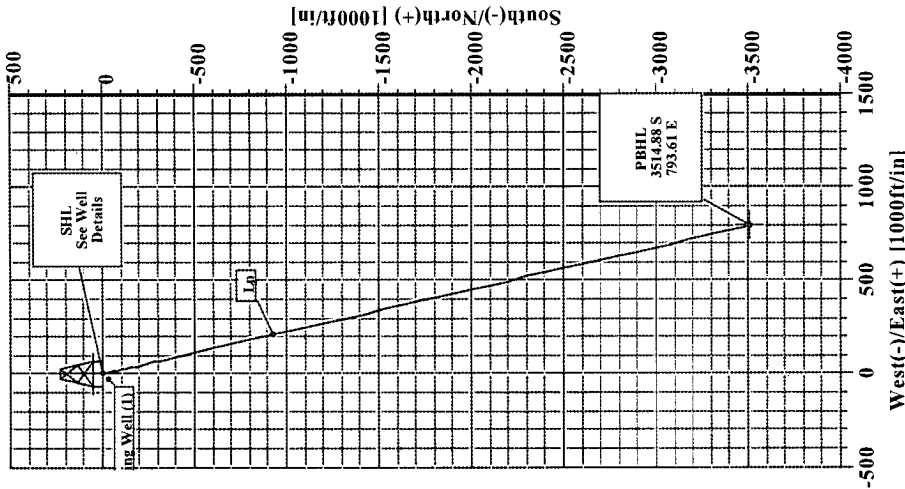
FIELD DETAILS

San Juan, NM (NAD 83)
Geodetic System: US State Plane Coordinate System 1983
Ellipsoid: GRS 1980
Zone: New Mexico, Western Zone
Magnetic Model: IGRF2010
System Datum: Mean Sea Level
Local North: True North

LEGEND

- FRPC 4 Existing Well (1)
- Plan #3

Compass rose showing True North (T) and Magnetic North (M).
Azimuths to True North
Magnetic North: 10.13°
Magnetic Field
Strength: 50.76nT
Dip Angle: 63.40°
Date: 2/25/2011
Model: IGRF2010
Total Correction To True North 10.13°



Vertical Section at 167.28° [500ft/in]



FRPC 4-2
San Juan Co., New Mexico

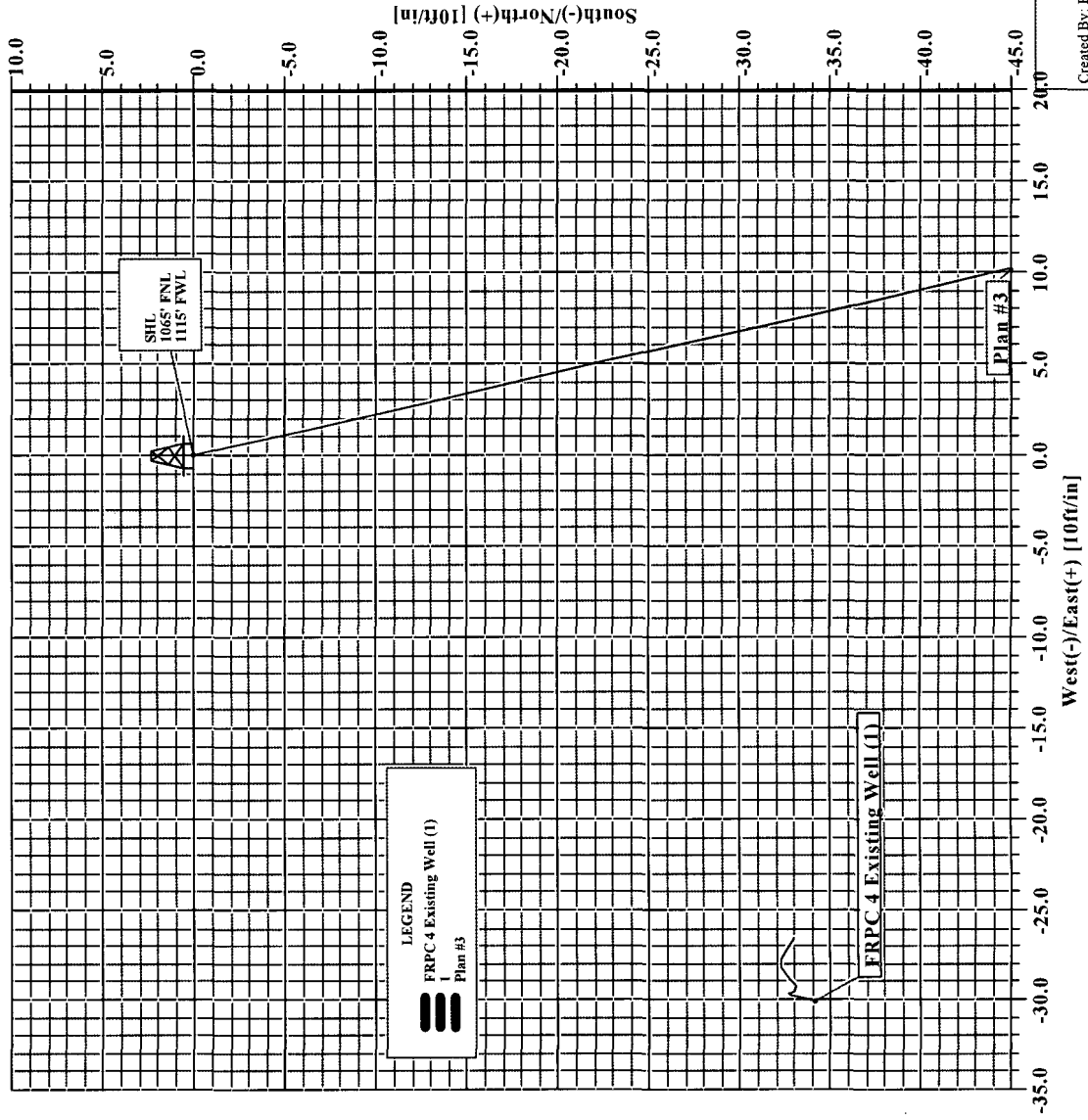


SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	167.28	-5444.00	0.00	0.00	0.00	0.00	0.00	0.00
2	290.07	0.00	167.28	-5153.93	0.00	0.00	0.00	0.00	0.00	0.00
3	1790.07	90.00	167.28	-4199.00	-931.48	210.32	6.00	167.28	954.93	Pbhl
4	4438.50	90.00	167.28	-4199.00	-3514.88	793.61	0.00	0.00	3603.56	Pbhl

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Pbhl	-4199.00	-3514.88	793.61	36°45'01.152N	108°12'48.744W	Point





Weatherford International, Inc.

Wft Plan Report Lat, Long



Company: XTO	Date: 1/20/2011	Time: 11:27:39	Page: 1
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference: Well: FRPC 4 #2H, True North		
Site: FRPC 4 #2H	Vertical (TVD) Reference: SITE 5444.0		
Well: FRPC 4 #2H	Section (VS) Reference: Well (0.00N,0.00E,167.28Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #3	Date Composed: 1/18/2011
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: San Juan, NM (NAD 83)

Map System: US State Plane Coordinate System 1983	Map Zone: New Mexico, Western Zone
Geo Datum: GRS 1980	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: IGRF2010

Site: FRPC 4 #2H

Site Position:	Northing: 2096177.43 ft	Latitude: 36 45 35.909 N
From: Geographic	Easting: 2610931.72 ft	Longitude: 108 12 58.496 W
Position Uncertainty: 0.00 ft		North Reference: True
Ground Level: 5432.00 ft		Grid Convergence: -0.23 deg

Well: FRPC 4 #2H	Slot Name:
Well Position: +N/-S 0.00 ft	Northing: 2096177.43 ft
+E/-W 0.00 ft	Easting: 2610931.72 ft
Position Uncertainty: 0.00 ft	Latitude: 36 45 35.909 N
	Longitude: 108 12 58.496 W

Wellpath: 1	Drilled From: Surface
Current Datum: SITE	Tie-on Depth: 0.00 ft
Magnetic Data: 2/25/2011	Above System Datum: Mean Sea Level
Field Strength: 50763 nT	Declination: 10.13 deg
Vertical Section: Depth From (TVD)	Mag Dip Angle: 63.40 deg
ft	ft
0.00	0.00
	ft
	deg
	167.28

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	167.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
290.07	0.00	167.28	290.07	0.00	0.00	0.00	0.00	0.00	0.00	
1790.07	90.00	167.28	1245.00	-931.48	210.32	6.00	6.00	0.00	167.28	
4438.50	90.00	167.28	1245.00	-3514.88	793.61	0.00	0.00	0.00	0.00	Pbhl

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Lat	Min	Sec	Long	Min	Sec	Comment
200.00	0.00	167.28	200.00	0.00	0.00	0.00	0.00	36	45	FmtE	108	12	58.496	
290.07	0.00	167.28	290.07	0.00	0.00	0.00	0.00	36	45	FmtE	108	12	58.496	Kop
300.00	0.60	167.28	300.00	-0.05	0.01	0.05	6.00	36	45	FmtE	108	12	58.496	
400.00	6.60	167.28	399.76	-6.17	1.39	6.32	6.00	36	45	FmtE	108	12	58.479	
500.00	12.60	167.28	498.31	-22.42	5.06	22.98	6.00	36	45	FmtE	108	12	58.434	
600.00	18.60	167.28	594.59	-48.63	10.98	49.86	6.00	36	45	FmtE	108	12	58.361	
700.00	24.60	167.28	687.53	-84.52	19.08	86.64	6.00	36	45	FmtE	108	12	58.261	
704.93	24.89	167.28	692.00	-86.53	19.54	88.71	6.00	36	45	FmtE	108	12	58.256	Fruitland F
800.00	30.60	167.28	776.11	-129.68	29.28	132.95	6.00	36	45	FmtE	108	12	58.136	
900.00	36.60	167.28	859.37	-183.63	41.46	188.25	6.00	36	45	FmtE	108	12	57.986	
1000.00	42.60	167.28	936.39	-245.77	55.49	251.96	6.00	36	45	FmtE	108	12	57.814	
1100.00	48.60	167.28	1006.33	-315.43	71.22	323.37	6.00	36	45	FmtE	108	12	57.621	
1200.00	54.60	167.28	1068.42	-391.84	88.47	401.70	6.00	36	45	FmtE	108	12	57.409	
1300.00	60.60	167.28	1121.98	-474.15	107.06	486.09	6.00	36	45	FmtE	108	12	57.180	
1400.00	66.60	167.28	1166.43	-561.48	126.78	575.62	6.00	36	45	FmtE	108	12	56.938	
1500.00	72.60	167.28	1201.28	-652.87	147.41	669.30	6.00	36	45	FmtE	108	12	56.684	
1600.00	78.60	167.28	1226.15	-747.30	168.73	766.11	6.00	36	45	FmtE	108	12	56.422	



Weatherford International, Inc.

Wft Plan Report Lat, Long



Company: XTO	Date: 1/20/2011	Time: 11:27:39	Page: 2
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference: Well: FRPC 4 #2H, True North		
Site: FRPC 4 #2H	Vertical (TVD) Reference: SITE 5444.0		
Well: FRPC 4 #2H	Section (VS) Reference: Well (0.00N,0.00E,167.28Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Lat	Min	Sec	Long	Min	Sec	Comment
1700.00	84.60	167.28	1240.76	-843.75	190.51	864.99	6.00	36	45	FmtE	108	12	56.155	
1702.64	84.75	167.28	1241.00	-846.31	191.09	867.62	6.00	36	45	FmtE	108	12	56.148	Lower Fruit
1790.07	90.00	167.28	1245.00	-931.48	210.32	954.93	6.00	36	45	FmtE	108	12	55.911	Lp
1800.00	90.00	167.28	1245.00	-941.17	212.50	964.86	0.00	36	45	FmtE	108	12	55.884	
1900.00	90.00	167.28	1245.00	-1038.71	234.53	1064.86	0.00	36	45	FmtE	108	12	55.614	
2000.00	90.00	167.28	1245.00	-1136.26	256.55	1164.86	0.00	36	45	FmtE	108	12	55.343	
2100.00	90.00	167.28	1245.00	-1233.80	278.58	1264.86	0.00	36	45	FmtE	108	12	55.073	
2200.00	90.00	167.28	1245.00	-1331.35	300.60	1364.86	0.00	36	45	FmtE	108	12	54.802	
2300.00	90.00	167.28	1245.00	-1428.89	322.62	1464.86	0.00	36	45	FmtE	108	12	54.531	
2400.00	90.00	167.28	1245.00	-1526.43	344.65	1564.86	0.00	36	45	FmtE	108	12	54.261	
2500.00	90.00	167.28	1245.00	-1623.98	366.67	1664.86	0.00	36	45	FmtE	108	12	53.990	
2600.00	90.00	167.28	1245.00	-1721.52	388.70	1764.86	0.00	36	45	FmtE	108	12	53.719	
2700.00	90.00	167.28	1245.00	-1819.07	410.72	1864.86	0.00	36	45	FmtE	108	12	53.449	
2800.00	90.00	167.28	1245.00	-1916.61	432.74	1964.86	0.00	36	45	FmtE	108	12	53.178	
2900.00	90.00	167.28	1245.00	-2014.16	454.77	2064.86	0.00	36	45	FmtE	108	12	52.907	
3000.00	90.00	167.28	1245.00	-2111.70	476.79	2164.86	0.00	36	45	FmtE	108	12	52.637	
3100.00	90.00	167.28	1245.00	-2209.25	498.82	2264.86	0.00	36	45	FmtE	108	12	52.366	
3200.00	90.00	167.28	1245.00	-2306.79	520.84	2364.86	0.00	36	45	FmtE	108	12	52.096	
3300.00	90.00	167.28	1245.00	-2404.34	542.87	2464.86	0.00	36	45	FmtE	108	12	51.825	
3400.00	90.00	167.28	1245.00	-2501.88	564.89	2564.86	0.00	36	45	FmtE	108	12	51.554	
3500.00	90.00	167.28	1245.00	-2599.42	586.91	2664.86	0.00	36	45	FmtE	108	12	51.284	
3600.00	90.00	167.28	1245.00	-2696.97	608.94	2764.86	0.00	36	45	FmtE	108	12	51.013	
3700.00	90.00	167.28	1245.00	-2794.51	630.96	2864.86	0.00	36	45	FmtE	108	12	50.742	
3800.00	90.00	167.28	1245.00	-2892.06	652.99	2964.86	0.00	36	45	FmtE	108	12	50.472	
3900.00	90.00	167.28	1245.00	-2989.60	675.01	3064.86	0.00	36	45	FmtE	108	12	50.201	
4000.00	90.00	167.28	1245.00	-3087.15	697.03	3164.86	0.00	36	45	FmtE	108	12	49.931	
4100.00	90.00	167.28	1245.00	-3184.69	719.06	3264.86	0.00	36	45	FmtE	108	12	49.660	
4200.00	90.00	167.28	1245.00	-3282.24	741.08	3364.86	0.00	36	45	FmtE	108	12	49.389	
4300.00	90.00	167.28	1245.00	-3379.78	763.11	3464.86	0.00	36	45	FmtE	108	12	49.119	
4400.00	90.00	167.28	1245.00	-3477.33	785.13	3564.86	0.00	36	45	FmtE	108	12	48.848	
4438.50	90.00	167.28	1245.00	-3514.88	793.61	3603.36	0.00	36	45	FmtE	108	12	48.744	Pbhl

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude --->			<--- Longitude --->				
								Deg	Min	Sec	Deg	Min	Sec		
Pbhl			1245.00	-3514.88	793.61	2092659.40	2611711.26	36	45	1.152	N	108	12	48.744	W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
290.07	290.07	Kop
1790.07	1245.00	Lp
4438.50	1245.00	Pbhl



Weatherford International, Inc.
Wft Plan Report Lat, Long



Company: XTO	Date: 1/20/2011	Time: 11:27:39	Page: 3
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference: Well: FRPC 4 #2H, True North		
Site: FRPC 4 #2H	Vertical (TVD) Reference: SITE 5444.0		
Well: FRPC 4 #2H	Section (VS) Reference: Well (0.00N,0.00E,167.28Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
704.93	692.00	Fruitland Formation		0.00	0.00
1702.64	1241.00	Lower Fruitland Coal*		0.00	0.00



Weatherford International, Inc.

Anticollision Report



Company: XTO	Date: 1/20/2011	Time: 11:25:59	Page: 1
Field: San Juan, NM (NAD 83)			
Reference Site: FRPC 4 #2H	Co-ordinate(NE) Reference:	Well: FRPC 4 #2H, True North	
Reference Well: FRPC 4 #2H	Vertical (TVD) Reference:	SITE 5444.0	
Reference Wellpath: 1	Db: Sybase		

NO GLOBAL SCAN: Using user defined selection & scan criteria		Reference:	Plan: Plan #3
Interpolation Method: MD	Interval: 100.00 ft	Error Model:	ISCWSA Ellipse
Depth Range: 0.00 to 4438.50 ft		Scan Method:	Closest Approach 3D
Maximum Radius: 10000.00 ft		Error Surface:	Ellipse

Plan: Plan #3	Date Composed: 1/18/2011
Principal: Yes	Version: 1
	Tied-to: From Surface

Summary

Site	Offset Wellpath Well	Wellpath	Reference MD ft	Offset MD ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
Exist FRPC 4-1	FRPC 4 Existing Well1 V0		600.00	597.47	42.95	41.18	24.28	

Site: Exist FRPC 4-1
 Well: FRPC 4 Existing Well
 Wellpath: 1 V0

Inter-Site Error: 0.00 ft

Reference MD ft	TVD ft	Offset MD ft	TVD ft	Semi-Major Axis Ref ft	Offset ft	TFO-HS deg	Offset Location North ft	East ft	Ctr-Ctr Distance ft	Edge Distance ft	Separation Factor	Warning
0.00	0.00	3.00	3.00	0.00	0.00	218.82	-32.97	-26.53	42.31	42.31	45302.75	
100.00	100.00	103.00	103.00	0.10	0.03	218.91	-32.93	-26.58	42.31	42.19	351.97	
200.00	200.00	202.92	202.92	0.32	0.10	219.63	-32.67	-27.06	42.42	42.04	111.88	
300.00	300.00	302.94	302.94	0.55	0.17	53.50	-32.28	-27.78	42.56	41.92	66.81	
400.00	399.76	402.61	402.60	0.79	0.22	61.47	-32.27	-28.22	39.48	38.57	43.42	
500.00	498.31	501.19	501.18	1.09	0.26	86.11	-32.47	-28.53	35.06	33.73	26.41	
600.00	594.59	597.47	597.46	1.55	0.31	122.98	-32.74	-28.92	42.95	41.18	24.28	
700.00	687.53	690.46	690.45	2.18	0.37	147.07	-33.01	-29.29	70.66	68.68	35.65	
800.00	776.11	778.90	778.89	3.01	0.42	158.62	-33.04	-29.53	113.13	110.91	50.91	
900.00	859.37	861.91	861.90	4.02	0.46	164.48	-32.90	-29.69	166.68	164.10	64.63	
1000.00	936.39	939.02	939.01	5.21	0.47	167.74	-32.68	-29.72	229.50	226.61	79.42	
1100.00	1006.33	1009.64	1009.63	6.56	0.48	169.61	-32.67	-29.72	300.24	296.95	91.23	
1200.00	1068.42	1071.84	1071.83	8.06	0.49	170.58	-32.74	-29.74	378.05	374.35	102.36	
1300.00	1121.98	1126.30	1126.29	9.69	0.50	170.93	-32.84	-29.78	462.04	457.96	113.39	
1400.00	1166.43	1172.66	1172.65	11.43	0.51	170.67	-33.07	-29.82	551.14	546.52	119.37	
1500.00	1201.28	1209.18	1209.17	13.27	0.52	169.52	-33.34	-29.87	644.40	639.15	122.71	
1600.00	1226.15	1234.74	1234.72	15.17	0.53	166.45	-33.56	-29.91	740.89	734.73	120.21	
1700.00	1240.76	1250.07	1250.05	17.12	0.54	156.75	-33.69	-29.95	839.55	831.03	98.50	
1800.00	1245.00	1255.07	1255.05	19.09	0.54	100.89	-33.73	-29.96	939.30	920.38	49.64	
1900.00	1245.00	1255.83	1255.82	21.08	0.54	102.04	-33.74	-29.96	1039.23	1018.43	49.97	
2000.00	1245.00	1256.60	1256.58	23.06	0.54	103.18	-33.74	-29.97	1139.17	1116.51	50.28	
2100.00	1245.00	1257.36	1257.35	25.06	0.54	104.31	-33.75	-29.97	1239.12	1214.62	50.58	
2200.00	1245.00	1258.13	1258.11	27.05	0.54	105.42	-33.76	-29.97	1339.07	1312.75	50.87	
2300.00	1245.00	1258.89	1258.88	29.05	0.54	106.52	-33.76	-29.97	1439.04	1410.91	51.17	
2400.00	1245.00	1259.66	1259.64	31.05	0.54	107.61	-33.77	-29.97	1539.00	1509.10	51.47	
2500.00	1245.00	1260.42	1260.41	33.06	0.54	108.69	-33.77	-29.98	1638.97	1607.32	51.78	
2600.00	1245.00	1261.19	1261.17	35.06	0.54	109.75	-33.78	-29.98	1738.95	1705.57	52.10	
2700.00	1245.00	1261.95	1261.94	37.07	0.54	110.80	-33.79	-29.98	1838.92	1803.85	52.43	
2800.00	1245.00	1262.71	1262.70	39.07	0.54	111.83	-33.79	-29.98	1938.90	1902.15	52.76	
2900.00	1245.00	1263.48	1263.46	41.08	0.54	112.85	-33.80	-29.98	2038.88	2000.49	53.11	
3000.00	1245.00	1264.24	1264.22	43.09	0.54	113.85	-33.81	-29.99	2138.86	2098.86	53.47	
3100.00	1245.00	1265.00	1264.99	45.10	0.54	114.84	-33.81	-29.99	2238.85	2197.26	53.84	
3200.00	1245.00	1265.76	1265.75	47.11	0.54	115.81	-33.82	-29.99	2338.83	2295.69	54.22	
3300.00	1245.00	1266.52	1266.51	49.12	0.54	116.76	-33.83	-29.99	2438.82	2394.15	54.61	
3400.00	1245.00	1267.29	1267.27	51.13	0.54	117.70	-33.83	-30.00	2538.80	2492.65	55.00	
3500.00	1245.00	1268.05	1268.03	53.15	0.54	118.62	-33.84	-30.00	2638.79	2591.17	55.41	



Weatherford International, Inc.

Anticollision Report



Company: XTO	Date: 1/20/2011	Time: 11:25:59	Page: 2
Field: San Juan, NM (NAD 83)	Co-ordinate(NE) Reference:	Well: FRPC 4 #2H, True North	
Reference Site: FRPC 4 #2H	Vertical (TVD) Reference:	SITE 5444.0	
Reference Well: FRPC 4 #2H			Db: Sybase
Reference Wellpath: 1			

Site: Exist FRPC 4-1
 Well: FRPC 4 Existing Well
 Wellpath: 1 V0

Inter-Site Error: 0.00 ft

Reference		Offset		Semi-Major Axis			Offset Location		Ctr-Ctr	Edge	Separation	Warning
MD	TVD	MD	TVD	Ref	Offset	TFO-HS	North	East	Distance	Distance	Factor	
ft	ft	ft	ft	ft	ft	deg	ft	ft	ft	ft		
3600.00	1245.00	1268.81	1268.79	55.16	0.54	119.52	-33.85	-30.00	2738.78	2689.72	55.83	
3700.00	1245.00	1269.57	1269.55	57.17	0.54	120.41	-33.85	-30.00	2838.77	2788.30	56.25	
3800.00	1245.00	1270.33	1270.31	59.18	0.54	121.28	-33.86	-30.00	2938.75	2886.91	56.69	
3900.00	1245.00	1271.09	1271.07	61.20	0.54	122.14	-33.87	-30.01	3038.74	2985.55	57.13	
4000.00	1245.00	1271.85	1271.83	63.21	0.54	122.97	-33.87	-30.01	3138.73	3084.22	57.58	
4100.00	1245.00	1272.60	1272.59	65.22	0.54	123.80	-33.88	-30.01	3238.72	3182.91	58.03	
4200.00	1245.00	1273.36	1273.35	67.24	0.54	124.60	-33.88	-30.01	3338.72	3281.64	58.49	
4300.00	1245.00	1274.12	1274.11	69.25	0.54	125.39	-33.89	-30.02	3438.71	3380.38	58.96	
4400.00	1245.00	1274.88	1274.86	71.26	0.54	126.17	-33.90	-30.02	3538.70	3479.16	59.43	
4438.50	1245.00	1275.17	1275.16	72.04	0.54	126.46	-33.90	-30.02	3577.20	3517.20	59.62	



Weatherford

Weatherford Drilling Services

GeoDec v5.1.000

Report Date: January 18, 2011
 Job Number: _____
 Customer: XTO
 Well Name: FRPC 4 #2H
 API Number: _____
 Rig Name: _____
 Location: San Juan, NM (NAD 83)
 Block: _____
 Engineer: R Joyner

Geodetic Latitude / Longitude	Geodetic Latitude / Longitude
System: Latitude / Longitude	System: Latitude / Longitude
Projection: Geodetic Latitude and Longitude	Projection: Geodetic Latitude and Longitude
Datum: North American Datum 1983	Datum: North American Datum 1983
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
Latitude 36.7599700 DEG	Latitude 36.7599700 DEG
Longitude -108.2162500 DEG	Longitude -108.2162500 DEG

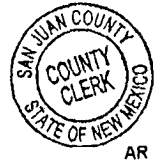
Geodetic Location WGS84 Elevation = 0.0 Meters
 Latitude = 36.75997° N 36° 45 min 35.892 sec
 Longitude = 108.21625° W 108° 12 min 58.500 sec

Magnetic Declination =	10.1280°	[True North Offset]	
Local Gravity =	.9992 g		
Local Field Strength =	50759 nT	Magnetic Vector X =	22375 nT
Magnetic Dip =	63.3980°	Magnetic Vector Y =	3997 nT
Magnetic Model =	IGRF-2010g11	Magnetic Vector Z =	45385 nT
Spud Date =	Feb 25, 2011	Magnetic Vector H =	22729 nT

Signed: _____

Date: _____

201011884 09/17/2010 11:08 AM
1 of 2 B1515 P399 R \$11.00
San Juan County, NM DEBBIE HOLMES



**RECORDATION NOTICE AND
MEMORANDUM OF SURFACE USE AND COMPENSATION AGREEMENT**

KNOW ALL MEN BY THESE PRESENTS:

That, **James A. Whitfield**, whose address is 901 Hill Street, Silver City, NM 87413 ("Grantor"), did enter into an unrecorded Surface Use and Compensation Agreement ("SUCA") of even date, which granted or confirmed certain rights to **XTO Energy Inc.**, the address of which is XTO Energy Inc., Attention: Paul Lehrman, Sr. Land Surface Coordinator, 382 CR 3100, Aztec, New Mexico 874100, ("Grantee"). The SUCA covers oil and gas operations on or with respect to:

Township 29 North, Range 13 West, NMPM
Section 4: SW/4
San Juan County, New Mexico
Well: FRPC 4 #2H

The SUCA is hereby referenced and incorporated herein to the same extent as if all its provisions were copied in full in this Notice/Memorandum. This Notice/Memorandum and the SUCA memorialized by it shall be binding on and inure to the benefit of Grantor and Grantee, their respective heirs, administrators and assigns.

IN WITNESS WHEREOF, this Recordation Notice and Memorandum of Surface Use and Compensation Agreement has been executed on the date(s) indicated below by the undersigned.

GRANTOR

James A. Whitfield

Name: *James A. Whitfield*

Title: *Owner*

Date: *Aug 17- 2010*

GRANTEE

XTO ENERGY INC.

201011884 09/17/2010 11:08 AM
2 of 2 B1515 P399 R \$11.00
San Juan County, NM DEBBIE HOLMES

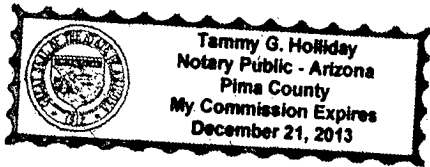
Edwin S. Ryan Jr.
Edwin S. Ryan Jr., Vice President -Land Administration
XTO ENERGY INC.

ASB
MSW

Arizona
STATE OF ~~NEW MEXICO~~ §
Pima §
COUNTY OF ~~SAN JUAN~~ §

This instrument was acknowledged before me the 17 day of August, 2010 by James A. Whitfield.

My Commission Expires: Dec 21 2013



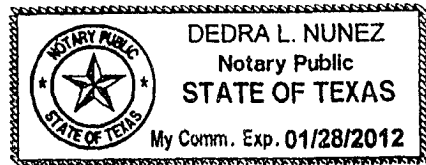
Tammy G. Holiday
Notary Public

STATE OF TEXAS §
COUNTY OF TARRANT §

This instrument was acknowledged before me on the 14th day of September, 2010 by Edwin S. Ryan, Jr., Vice President - Land Administration of XTO ENERGY INC., a Delaware corporation, on behalf of said corporation.

Dedra L. Nunez
Notary Public - State of Texas

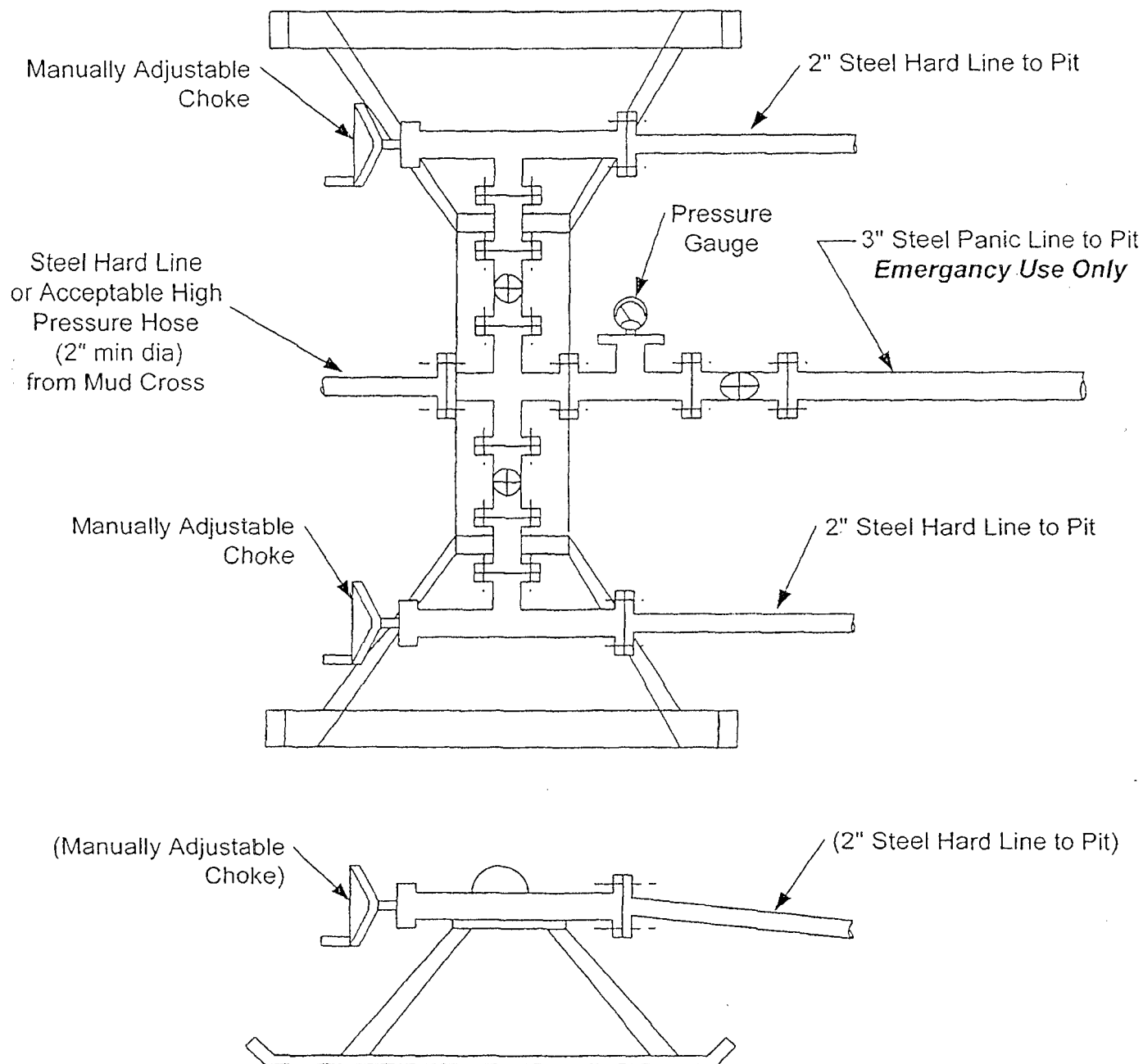
My Commission Expires:
Jan. 28, 2012



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



AWS 507

