

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

OCT 13 2015

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

15-556

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED

1a. Type of work: ☒ DRILL ☐ REENTER		5. Lease Serial No. NMNM016353	
1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone		6. If Indian, Allottee or Tribe Name [H]	
2. Name of Operator XTO Energy, Inc (5380)		7. If Unit or CA Agreement, Name and No.	
3a. Address 500 W. Illinois St. Ste 100 Midland, Texas 79701		8. Lease Name and Well No. (315311) Outrider Federal #4H	
3b. Phone No. (include area code) 432-620-6714		9. API Well No. 30-025-42868	
4. Location of Well (Report location clearly and in accordance with any State requirements.) At surface 100°FSL & 685°FEL, P-21-T24S-R32E At proposed prod. zone 700°FNL & 685°FEL, P-28-T24S-R32E		10. Field and Pool, or Exploratory (91899) WC-025 G-06 S253306M; Bone Spring	
14. Distance in miles and direction from nearest town or post office*		11. Sec., T. R. M. or Blk. and Survey or Area P-21-T24S-R32E	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 685'		12. County or Parish Lea	
16. No. of acres in lease 1720		13. State NM	
17. Spacing Unit dedicated to this well 160			
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1320' (to Outrider #3H)		20. BLM/BIA Bond No. on file UTB000138	
19. Proposed Depth MD: 15804' TVD: 10871'			
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3569'		22. Approximate date work will start* 08/01/2015	
		23. Estimated duration 45 Days	

UNORTHODOX
LOCATION

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must 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 must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

25. Signature Stephanie Rabadue	Name (Printed/Typed) Stephanie Rabadue	Date 03/19/2015
Title Regulatory Analyst		
Approved by (Signature) Steve Caffey	Name (Printed/Typed)	Date OCT - 8 2015
Title FIELD MANAGER		
Office CARLSBAD FIELD OFFICE		

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.

APPROVAL FOR TWO YEARS

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.

(Continued on page 2)

*(Instructions on page 2)

Carlsbad Controlled Water Basin

Kaz
10/13/15SEE ATTACHED FOR
CONDITIONS OF APPROVALApproval Subject to General Requirements
& Special Stipulations Attached

OCT 15 2015

DRILLING PLAN: BLM COMPLIANCE
(Supplement to BLM 3160-3)

XTO Energy Inc.
Outrider Federal 4H
Projected TD: 15804' MD / 10871' TVD
SHL: 100' FSL & 685' FEL, SECTION 21, T24S, R32E
BHL: 200' FSL & 685' FEL, SECTION 28, T24S, R32E
Lea County, NM

HOBBS ON
OCT 13 2015

RECEIVED

1. GEOLOGIC NAME OF SURFACE FORMATION:

A. Permian

2. ESTIMATED TOPS OF GEOLOGICAL MARKERS & DEPTHS OF ANTICIPATED FRESH WATER, OIL OR GAS:

Formation	Well Depth (TVD)	Water / Oil / Gas
Rustler	935'	Water
Top of Salt	1244'	
Base of Salt	4556'	
Delaware	4789'	Water
Brushy Canyon	7277'	Water/Oil/Gas
Bone Spring	8697'	Water/Oil/Gas
1 st Bone Spring Ss	9832'	Water/Oil/Gas
2 nd Bone Spring Ss	10386'	Water/Oil/Gas
Target/Land Curve	10871'	Water/Oil/Gas

*** Hydrocarbons @ Brushy Canyon

*** Groundwater depth 200' (per NM State Engineers Office).

No other formations are expected to yield oil, gas or fresh water in measurable volumes. The surface fresh water sands will be protected by setting 13-3/8" casing @ ~~1000'~~ ^{1040'} above the salt and circulating cement back to surface. The salt will be isolated by setting 9-5/8" casing at 4800' and circulating cement to surface. An 8-3/4" curve and lateral hole will be drilled to MD/TD and 5-1/2" casing with sliding frac sleeves will be set at TD and cemented back 500' into the 9-5/8" casing shoe.

3. CASING PROGRAM:

See COA

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
17-1/2"	0' - 1000' ^{1040'}	13-3/8"	48#	STC	H-40	New	4.33	1.62	6.71
12-1/4"	0' - 3500'	9-5/8"	36#	LTC	J-55	New	1.70	1.17	2.54
	3500' - 4800'	9-5/8"	40#	LTC	J-55	New	1.90	1.39	10.00
8-3/4"	0' - 15804'	5-1/2"	17#	BTC	P-110	New	1.12	1.47	2.11

WELLHEAD:

- A. Starting Head: 13-5/8" 3000 psi top flange x 13-3/8" SOW bottom
- B. 'B' Section/ Drilling Spool: 13-5/8" 3000psi bottom flange x 11" 5M top flange
- C. Tubing Head: 11" 5000psi bottom flange x 7-1/16" 10,000psi top flange

4. CEMENT PROGRAM:

- A. **Surface Casing:** 13-3/8", 48#, NEW H-40, STC casing to be set at $\pm 1000'$.

Lead: 20 bbls FW, then 575 sx ExtendaCem-CZ (mixed at 13.7 ppg, 1.68 ft³/sk, 8.72 gal/sx wtr)

Tail: 305 sx HalCem-C + 2% CaCl (mixed at 14.8 ppg, 1.35 ft³/sk, 6.39 gal/sx wtr)
***All volumes 100% excess in open hole. Cement to surface.

- B. **Intermediate Casing:** 9-5/8", 36#/40#, NEW J-55, LTC casing to be set at $\pm 4800'$.

Lead: 20 bbls FW, then 1425 sx EconoCem-HLC + 5% salt + 5 lbm/sk Kol-Seal (mixed at 12.9 ppg, 1.88 ft³/sk, 9.61 gal/sx wtr)

Tail: 250 sx HalCem-C (mixed at 14.8 ppg, 1.33 ft³/sk, 6.34 gal/sx wtr)
***All volumes 100% excess in open hole. Cement to surface.

- C. **Production Casing:** 5-1/2", 17#, NEW P-110, BTC casing to be set at $\pm 15804'$. Casing will be cemented and will include sliding sleeves for the completion.

Lead: 20 bbls FW, then 625 sx Tuned Light + 0.5 lbm/sk CFR-3 + 1.5 lbm/sk salt + 0.1% HR601 (mixed at 10.5 ppg, 2.69 ft³/sk, 12.26 gal/sx wtr)

Tail: 1295 sx VersaCem PBHS2 + 0.5% LAP-1 + 0.25 lbm/sk D-air 5000 + 0.2% HR 601 + 0.4% CFR-3 + 1 pps Salt (mixed at 13.2 ppg, 1.61 ft³/sk, 8.38 gal/sx wtr)
***All volumes 30% excess in open hole. Planned top of cement 500' into intermediate casing shoe

5. PRESSURE CONTROL EQUIPMENT:

The blow out preventer equipment (BOP) for this well consists of a 13-5/8" minimum 3M Hydril and a 13-5/8" minimum 3M Double Ram BOP. Max bottom hole pressure should not exceed 5075 psi.

All BOP testing will be done by an independent service company. Annular pressure tests will be limited to 50% of the working pressure. When nipping up on the 13-5/8" 3M bradenhead and flange, the BOP test will be limited to 3000psi. When nipping up on the 9-5/8", the BOP will be tested to a minimum of 3000 psi. All BOP tests will include a low pressure test as per BLM regulations. The 3M BOP diagrams are attached. Blind rams will be functioned tested each trip, pipe rams will be functioned tested each day.

See COA A variance is requested to allow use of a flex hose as the choke line from the BOP to the Choke Manifold. If this hose is used, a copy of the manufacturer's certification and pressure test chart will be kept on the rig. Attached is an example of a certification and pressure test chart. The manufacturer does not require anchors.

6. PROPOSED MUD CIRCULATION SYSTEM:

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' to 1000' <i>1046'</i>	17-1/2"	FW/Native	8.4 - 8.8	35 - 40	NC
1000' to 4800'	12-1/4"	Brine/Gel Sweeps	9.8 - 10.2	30 - 32	NC
4800' to 15804'	8-3/4"	FW / Cut Brine / Poly-Sweeps	8.6 - 9.0	29 - 32	NC - 20

See COA The necessary mud products for weight addition and fluid loss control will be on location at all times.

Spud with fresh water/native mud. Drill out from under 13-3/8" surface casing with brine solution. A 9.8ppg-10.2ppg brine mud will be used while drilling through the salt formation. Use fibrous materials as needed to control seepage and lost circulation. Pump viscous sweeps as needed for hole cleaning. Pump speed will be recorded on a daily drilling report after mudding up. A Pason or Totco will be used to detect changes in loss or gain of mud volume. A mud test will be performed every 24 hours to determine: density, viscosity, strength, filtration and pH as necessary. Use available solids controls equipment to help keep mud weight down after mud up. Rig up solids control equipment to operate as a closed loop system.

7. AUXILIARY WELL CONTROL AND MONITORING EQUIPMENT:

- See COA*
- A. A Kelly cock will be in the drill string at all times.
 - B. A full opening drill pipe stabbing valve having appropriate connections will be on the rig floor at all times.
 - C. H2S monitors will be on location when drilling below the 13-3/8" casing.

8. LOGGING, CORING AND TESTING PROGRAM:

Mud Logger: Mud Logging Unit (2 man) on @ 4800'.
Catch 20' samples from 4800' to TD

Open hole logging to include Density/Neutron/PE/Dual Laterlog/Spectral Gamma from KOP to intermediate casing shoe.

9. ABNORMAL PRESSURES AND TEMPERATURES / POTENTIAL HAZARDS:

See COA

None anticipated. BHT of 160 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost circulation could occur but is not expected to be a serious problem in this area and hole seepage will be compensated for by additions of small amounts of LCM in the drilling fluid.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

Road and location construction will begin after Santa Fe and BLM have approved the APD. Anticipated spud date will be as soon after Santa Fe and BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 40 days. If production casing is run, an additional 30 days will be needed to complete well and construct surface facilities and/or lay flow lines in order to place well on production.

XTO Energy Inc.

HALLIBURTON

Sperry Drilling



Project: Lea County, NM (NAD27)
Site: Outrider Federal
Well: Outrider Federal No 4H
Wellbore: Wellbore #1
Plan: Plan #1
Rig: NorAm 25

SURFACE LOCATION

US State Plane 1927 (Exact solution)
New Mexico East 3001
Elevation: GL 3569' + KB 25' @ 3594.00usft (NorAm 25)
Northing Easting Latitude Longitude
435624.70 704325.90 32° 11' 45.327 N 103° 40' 22.095 W

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

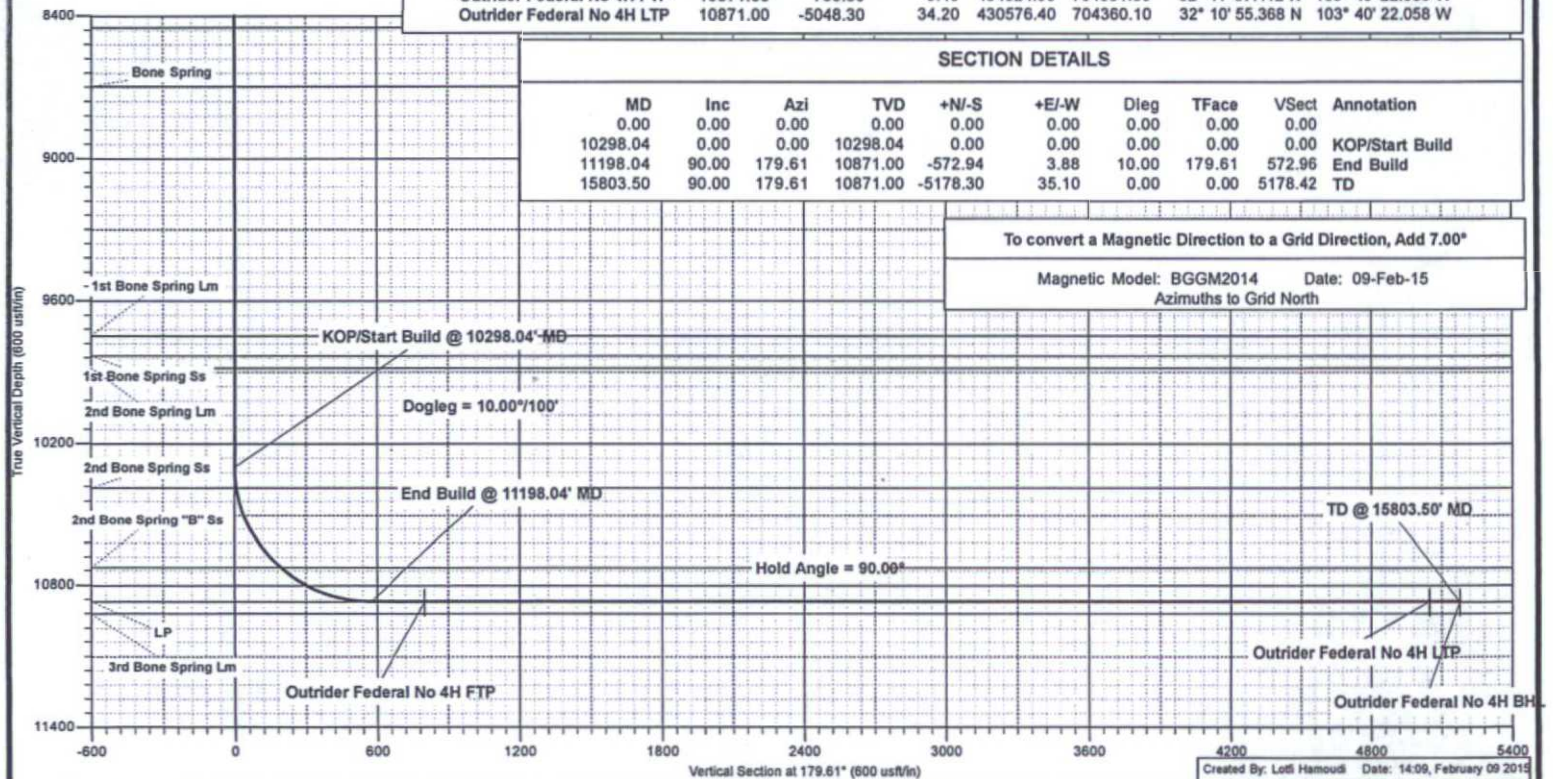
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
Outrider Federal No 4H BHL	10871.00	-5178.30	35.10	430446.40	704361.00	32° 10' 54.082 N	103° 40' 22.057 W
Outrider Federal No 4H FTP	10871.00	-799.80	5.40	434824.90	704331.30	32° 11' 37.412 N	103° 40' 22.089 W
Outrider Federal No 4H LTP	10871.00	-5048.30	34.20	430576.40	704360.10	32° 10' 55.368 N	103° 40' 22.058 W

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dieg	TFace	VSec	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
10298.04	0.00	0.00	10298.04	0.00	0.00	0.00	0.00	0.00	KOP/Start Build
11198.04	90.00	179.61	10871.00	-572.94	3.88	10.00	179.61	572.96	End Build
15803.50	90.00	179.61	10871.00	-5178.30	35.10	0.00	0.00	5178.42	TD

To convert a Magnetic Direction to a Grid Direction, Add 7.00°

Magnetic Model: BGGM2014 Date: 09-Feb-15
Azimuths to Grid North



Project: Lea County, NM (NAD27)
 Site: Outrider Federal
 Well: Outrider Federal No 4H
 Wellbore: Wellbore #1
 Plan: Plan #1
 Rig: NorAm 25

SURFACE LOCATION

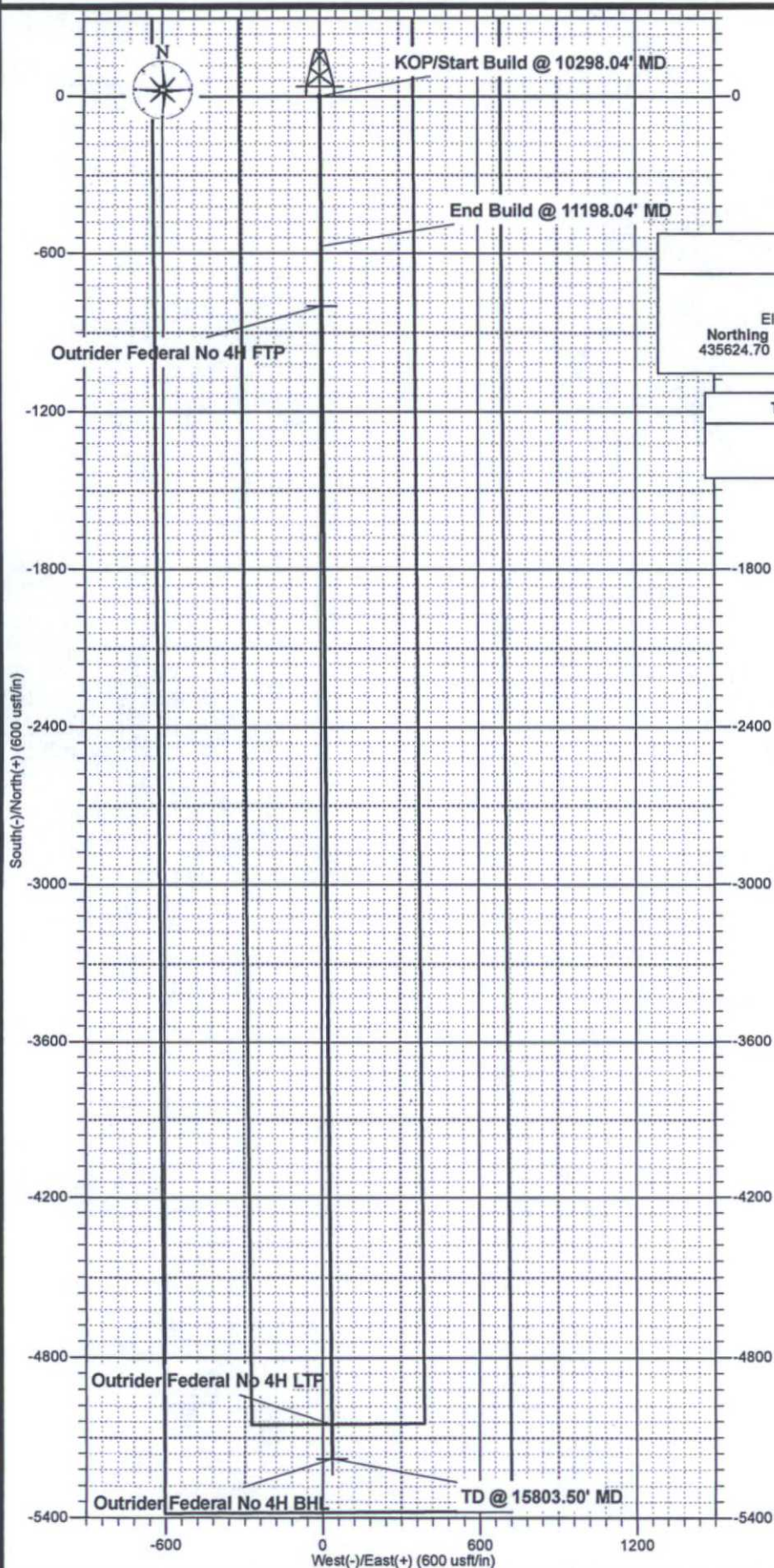
US State Plane 1927 (Exact solution)
 New Mexico East 3001

Elevation: GL 3569' + KB 25' @ 3594.00usft (NorAm 25)

North	East	Latitude	Longitude
435624.70	704325.90	32° 11' 45.327 N	103° 40' 22.095 W

To convert a Magnetic Direction to a Grid Direction, Add 7.00°

Magnetic Model: BGM2014 Date: 09-Feb-15
 Azimuths to Grid North



XTO Energy Inc.

Lea County, NM (NAD27)

Outrider Federal

Outrider Federal No 4H

Wellbore #1

Plan: Plan #1

Sperry Drilling Services Proposal Report

09 February, 2015

Well Coordinates: 435,624.70 N, 704,325.90 E (32° 11' 45.33" N, 103° 40' 22.10" W)

Ground Level: 3,569.00 usft

Local Coordinate Origin:	Centered on Well Outrider Federal No 4H
Viewing Datum:	GL 3569' + KB 25' @ 3594.00usft (NorAm 25)
TVDs to System:	N
North Reference:	Grid
Unit System:	API - US Survey Feet

Version: 5000.1 Build: 72

HALLIBURTON

Plan Report for Outrider Federal No 4H - Plan #1

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
935.00	0.00	0.00	935.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rustler										
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,244.00	0.00	0.00	1,244.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Top Salt										
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,556.00	0.00	0.00	4,556.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Salt										
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,789.00	0.00	0.00	4,789.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware										
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

HALLIBURTON**Plan Report for Outrider Federal No 4H - Plan #1**

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,698.00	0.00	0.00	5,698.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Cherry Canyon										
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,277.00	0.00	0.00	7,277.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Brushy Canyon										
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,449.00	0.00	0.00	8,449.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Basal Brushy Canyon										
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,697.00	0.00	0.00	8,697.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bone Spring										
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,749.00	0.00	0.00	9,749.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1st Bone Spring Lm										
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

HALLIBURTON

XTO Energy Inc.
Lea County, NM (NAD27)

Plan Report for Outrider Federal No 4H - Plan #1

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
9,832.00	0.00	0.00	9,832.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1st Bone Spring Ss										
9,884.00	0.00	0.00	9,884.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2nd Bone Spring Lm										
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,298.04	0.00	0.00	10,298.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KOP/Start Build @ 10298.04' MD - Dogleg = 10.00°/100'										
10,300.00	0.20	179.61	10,300.00	0.00	0.00	0.00	10.00	10.00	0.00	179.61
10,350.00	5.20	179.61	10,349.93	-2.35	0.02	2.35	10.00	10.00	0.00	0.00
10,386.35	8.83	179.61	10,386.00	-6.79	0.05	6.79	10.00	10.00	0.00	0.00
2nd Bone Spring Ss										
10,400.00	10.20	179.61	10,399.46	-9.05	0.06	9.05	10.00	10.00	0.00	0.00
10,450.00	15.20	179.61	10,448.22	-20.03	0.14	20.03	10.00	10.00	0.00	0.00
10,500.00	20.20	179.61	10,495.84	-35.23	0.24	35.23	10.00	10.00	0.00	0.00
10,550.00	25.20	179.61	10,541.96	-54.51	0.37	54.51	10.00	10.00	0.00	0.00
10,600.00	30.20	179.61	10,586.21	-77.74	0.53	77.74	10.00	10.00	0.00	0.00
10,650.00	35.20	179.61	10,628.28	-104.74	0.71	104.74	10.00	10.00	0.00	0.00
10,700.00	40.20	179.61	10,667.83	-135.30	0.92	135.31	10.00	10.00	0.00	0.00
10,750.00	45.20	179.61	10,704.57	-169.20	1.15	169.20	10.00	10.00	0.00	0.00
10,782.80	48.48	179.61	10,727.00	-193.12	1.31	193.12	10.00	10.00	0.00	0.00
2nd Bone Spring "B" Ss										
10,800.00	50.20	179.61	10,738.21	-206.16	1.40	206.17	10.00	10.00	0.00	0.00
10,850.00	55.20	179.61	10,768.50	-245.92	1.67	245.93	10.00	10.00	0.00	0.00
10,900.00	60.20	179.61	10,795.21	-288.17	1.95	288.18	10.00	10.00	0.00	0.00
10,950.00	65.20	179.61	10,818.14	-332.58	2.25	332.59	10.00	10.00	0.00	0.00
11,000.00	70.20	179.61	10,837.11	-378.83	2.57	378.84	10.00	10.00	0.00	0.00
11,050.00	75.20	179.61	10,851.98	-426.55	2.89	426.56	10.00	10.00	0.00	0.00
11,100.00	80.20	179.61	10,862.63	-475.38	3.22	475.39	10.00	10.00	0.00	0.00
11,150.00	85.20	179.61	10,868.99	-524.96	3.56	524.97	10.00	10.00	0.00	0.00
11,198.04	90.00	179.61	10,871.00	-572.94	3.88	572.96	10.00	10.00	0.00	0.00
End Build @ 11198.04' MD - Hold Angle = 90.00° - LP										
11,200.00	90.00	179.61	10,871.00	-574.90	3.90	574.92	0.00	0.00	0.00	0.00
11,300.00	90.00	179.61	10,871.00	-674.90	4.57	674.92	0.00	0.00	0.00	0.00
11,400.00	90.00	179.61	10,871.00	-774.90	5.25	774.92	0.00	0.00	0.00	0.00
11,424.90	90.00	179.61	10,871.00	-799.80	5.42	799.82	0.00	0.00	0.00	0.00
Outrider Federal No 4H FTP										
11,500.00	90.00	179.61	10,871.00	-874.90	5.93	874.92	0.00	0.00	0.00	0.00
11,600.00	90.00	179.61	10,871.00	-974.89	6.61	974.92	0.00	0.00	0.00	0.00
11,700.00	90.00	179.61	10,871.00	-1,074.89	7.29	1,074.92	0.00	0.00	0.00	0.00
11,800.00	90.00	179.61	10,871.00	-1,174.89	7.96	1,174.92	0.00	0.00	0.00	0.00
11,900.00	90.00	179.61	10,871.00	-1,274.89	8.64	1,274.92	0.00	0.00	0.00	0.00
12,000.00	90.00	179.61	10,871.00	-1,374.88	9.32	1,374.92	0.00	0.00	0.00	0.00
12,100.00	90.00	179.61	10,871.00	-1,474.88	10.00	1,474.92	0.00	0.00	0.00	0.00
12,200.00	90.00	179.61	10,871.00	-1,574.88	10.67	1,574.92	0.00	0.00	0.00	0.00
12,300.00	90.00	179.61	10,871.00	-1,674.88	11.35	1,674.92	0.00	0.00	0.00	0.00
12,400.00	90.00	179.61	10,871.00	-1,774.87	12.03	1,774.92	0.00	0.00	0.00	0.00
12,500.00	90.00	179.61	10,871.00	-1,874.87	12.71	1,874.92	0.00	0.00	0.00	0.00
12,600.00	90.00	179.61	10,871.00	-1,974.87	13.39	1,974.92	0.00	0.00	0.00	0.00
12,700.00	90.00	179.61	10,871.00	-2,074.87	14.06	2,074.92	0.00	0.00	0.00	0.00
12,800.00	90.00	179.61	10,871.00	-2,174.87	14.74	2,174.92	0.00	0.00	0.00	0.00
12,900.00	90.00	179.61	10,871.00	-2,274.86	15.42	2,274.92	0.00	0.00	0.00	0.00
13,000.00	90.00	179.61	10,871.00	-2,374.86	16.10	2,374.92	0.00	0.00	0.00	0.00
13,100.00	90.00	179.61	10,871.00	-2,474.86	16.78	2,474.92	0.00	0.00	0.00	0.00
13,200.00	90.00	179.61	10,871.00	-2,574.86	17.45	2,574.92	0.00	0.00	0.00	0.00
13,300.00	90.00	179.61	10,871.00	-2,674.85	18.13	2,674.92	0.00	0.00	0.00	0.00
13,400.00	90.00	179.61	10,871.00	-2,774.85	18.81	2,774.92	0.00	0.00	0.00	0.00

Plan Report for Outrider Federal No 4H - Plan #1

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	Toolface Azimuth (°)
13,500.00	90.00	179.61	10,871.00	-2,874.85	19.49	2,874.92	0.00	0.00	0.00	0.00
13,600.00	90.00	179.61	10,871.00	-2,974.85	20.16	2,974.92	0.00	0.00	0.00	0.00
13,700.00	90.00	179.61	10,871.00	-3,074.84	20.84	3,074.92	0.00	0.00	0.00	0.00
13,800.00	90.00	179.61	10,871.00	-3,174.84	21.52	3,174.92	0.00	0.00	0.00	0.00
13,900.00	90.00	179.61	10,871.00	-3,274.84	22.20	3,274.92	0.00	0.00	0.00	0.00
14,000.00	90.00	179.61	10,871.00	-3,374.84	22.88	3,374.92	0.00	0.00	0.00	0.00
14,100.00	90.00	179.61	10,871.00	-3,474.84	23.55	3,474.92	0.00	0.00	0.00	0.00
14,200.00	90.00	179.61	10,871.00	-3,574.83	24.23	3,574.92	0.00	0.00	0.00	0.00
14,300.00	90.00	179.61	10,871.00	-3,674.83	24.91	3,674.92	0.00	0.00	0.00	0.00
14,400.00	90.00	179.61	10,871.00	-3,774.83	25.59	3,774.92	0.00	0.00	0.00	0.00
14,500.00	90.00	179.61	10,871.00	-3,874.83	26.26	3,874.92	0.00	0.00	0.00	0.00
14,600.00	90.00	179.61	10,871.00	-3,974.82	26.94	3,974.92	0.00	0.00	0.00	0.00
14,700.00	90.00	179.61	10,871.00	-4,074.82	27.62	4,074.92	0.00	0.00	0.00	0.00
14,800.00	90.00	179.61	10,871.00	-4,174.82	28.30	4,174.92	0.00	0.00	0.00	0.00
14,900.00	90.00	179.61	10,871.00	-4,274.82	28.98	4,274.92	0.00	0.00	0.00	0.00
15,000.00	90.00	179.61	10,871.00	-4,374.82	29.65	4,374.92	0.00	0.00	0.00	0.00
15,100.00	90.00	179.61	10,871.00	-4,474.81	30.33	4,474.92	0.00	0.00	0.00	0.00
15,200.00	90.00	179.61	10,871.00	-4,574.81	31.01	4,574.92	0.00	0.00	0.00	0.00
15,300.00	90.00	179.61	10,871.00	-4,674.81	31.69	4,674.92	0.00	0.00	0.00	0.00
15,400.00	90.00	179.61	10,871.00	-4,774.81	32.37	4,774.92	0.00	0.00	0.00	0.00
15,500.00	90.00	179.61	10,871.00	-4,874.80	33.04	4,874.92	0.00	0.00	0.00	0.00
15,600.00	90.00	179.61	10,871.00	-4,974.80	33.72	4,974.92	0.00	0.00	0.00	0.00
15,673.50	90.00	179.61	10,871.00	-5,048.30	34.22	5,048.42	0.00	0.00	0.00	0.00
Outrider Federal No 4H LTP										
15,700.00	90.00	179.61	10,871.00	-5,074.80	34.40	5,074.92	0.00	0.00	0.00	0.00
15,803.50	90.00	179.61	10,871.00	-5,178.30	35.10	5,178.42	0.00	0.00	0.00	0.00
TD @ 15803.50' MD - Outrider Federal No 4H BHL										

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
10,298.04	10,298.04	0.00	0.00	KOP/Start Build @ 10298.04' MD
10,298.04	10,298.04	0.00	0.00	Dogleg = 10.00°/100'
11,198.04	10,871.00	-572.94	3.88	End Build @ 11198.04' MD
11,198.04	10,871.00	-572.94	3.88	Hold Angle = 90.00°
15,803.50	10,871.00	-5,178.30	35.10	TD @ 15803.50' MD

Vertical Section Information

Angle Type	Target	Azimuth (°)	Origin Type	Origin		Start TVD (usft)
				+N/-S (usft)	+E/-W (usft)	
TD	No Target (Freehand)	179.61	Slot	0.00	0.00	0.00

Survey tool program

From (usft)	To (usft)	Survey/Plan	Survey Tool
0.00	15,803.50	Plan #1	MWD

Plan Report for Outrider Federal No 4H - Plan #1

Formation Details

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
935.00	935.00	Rustler			
1,244.00	1,244.00	Top Salt			
4,556.00	4,556.00	Base Salt			
4,789.00	4,789.00	Delaware			
5,698.00	5,698.00	Cherry Canyon			
7,277.00	7,277.00	Brushy Canyon			
8,449.00	8,449.00	Basal Brushy Canyon			
8,697.00	8,697.00	Bone Spring			
9,749.00	9,749.00	1st Bone Spring Lm			
9,832.00	9,832.00	1st Bone Spring Ss			
9,884.00	9,884.00	2nd Bone Spring Lm			
10,386.35	10,386.00	2nd Bone Spring Ss			
10,782.80	10,727.00	2nd Bone Spring "B" Ss			
11,198.04	10,871.00	LP			

Targets associated with this wellbore

Target Name	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Shape
Outrider Federal No 4H LTP	10,871.00	-5,048.30	34.20	Point
Outrider Federal No 4H BHL	10,871.00	-5,178.30	35.10	Point
Outrider Federal No 4H FTP	10,871.00	-799.80	5.40	Point

North Reference Sheet for Outrider Federal - Outrider Federal No 4H - Wellbore #1

All data is in US Feet unless otherwise stated. Directions and Coordinates are relative to Grid North Reference.

Vertical Depths are relative to GL 3569' + KB 25' @ 3594.00usft (NorAm 25). Northing and Easting are relative to Outrider Federal No 4H

Coordinate System is US State Plane 1927 (Exact solution), New Mexico East 3001 using datum NAD 1927 (NADCON CONUS), ellipsoid Clarke 1866

Projection method is Transverse Mercator (Gauss-Kruger)

Central Meridian is -104.33°, Longitude Origin:0° 0' 0.000 E°, Latitude Origin:0° 0' 0.000 N°

False Easting: 500,000.00usft, False Northing: 0.00usft, Scale Reduction: 0.99995691

Grid Coordinates of Well: 435,624.70 usft N, 704,325.90 usft E

Geographical Coordinates of Well: 32° 11' 45.33" N, 103° 40' 22.10" W

Grid Convergence at Surface is: 0.35°

Based upon Minimum Curvature type calculations, at a Measured Depth of 15,803.50usft
the Bottom Hole Displacement is 5,178.42usft in the Direction of 179.61° (Grid).

Magnetic Convergence at surface is: -7.00° (9 February 2015, , BGGM2014)

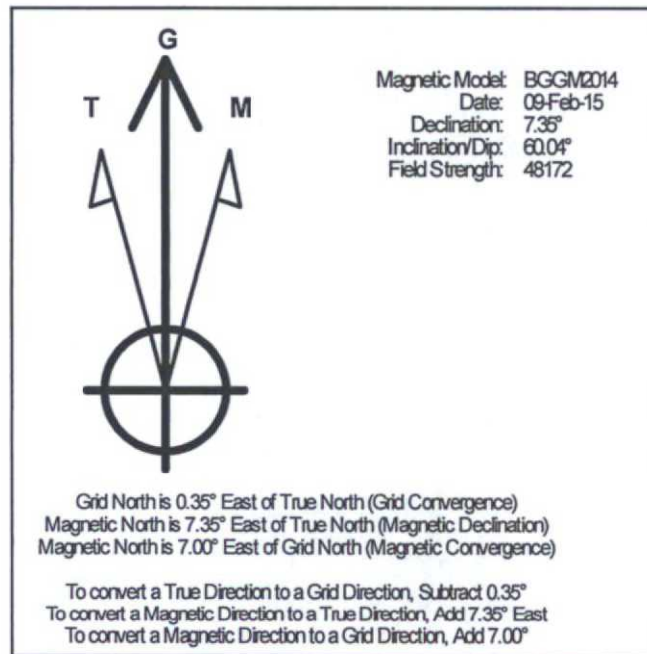
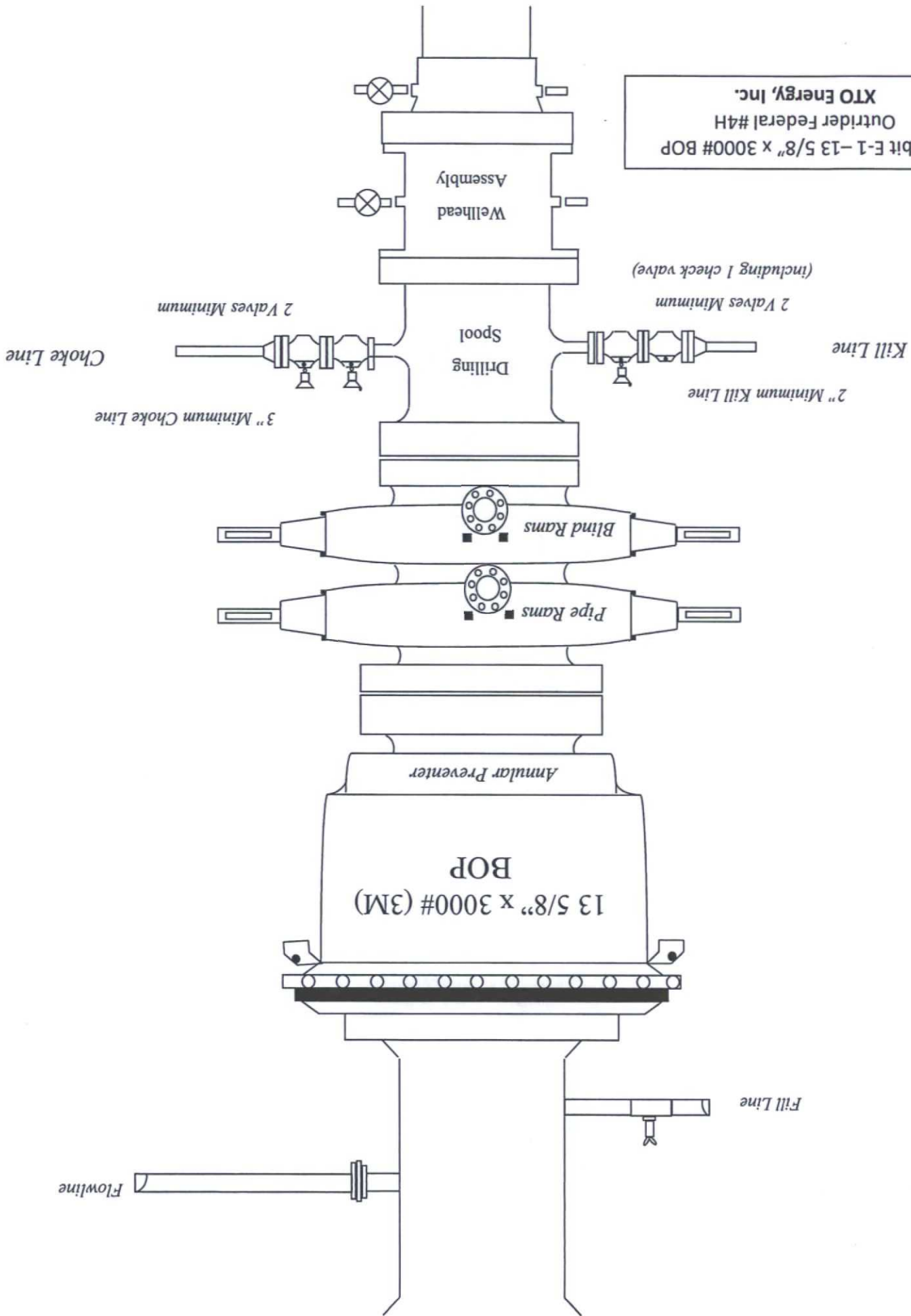
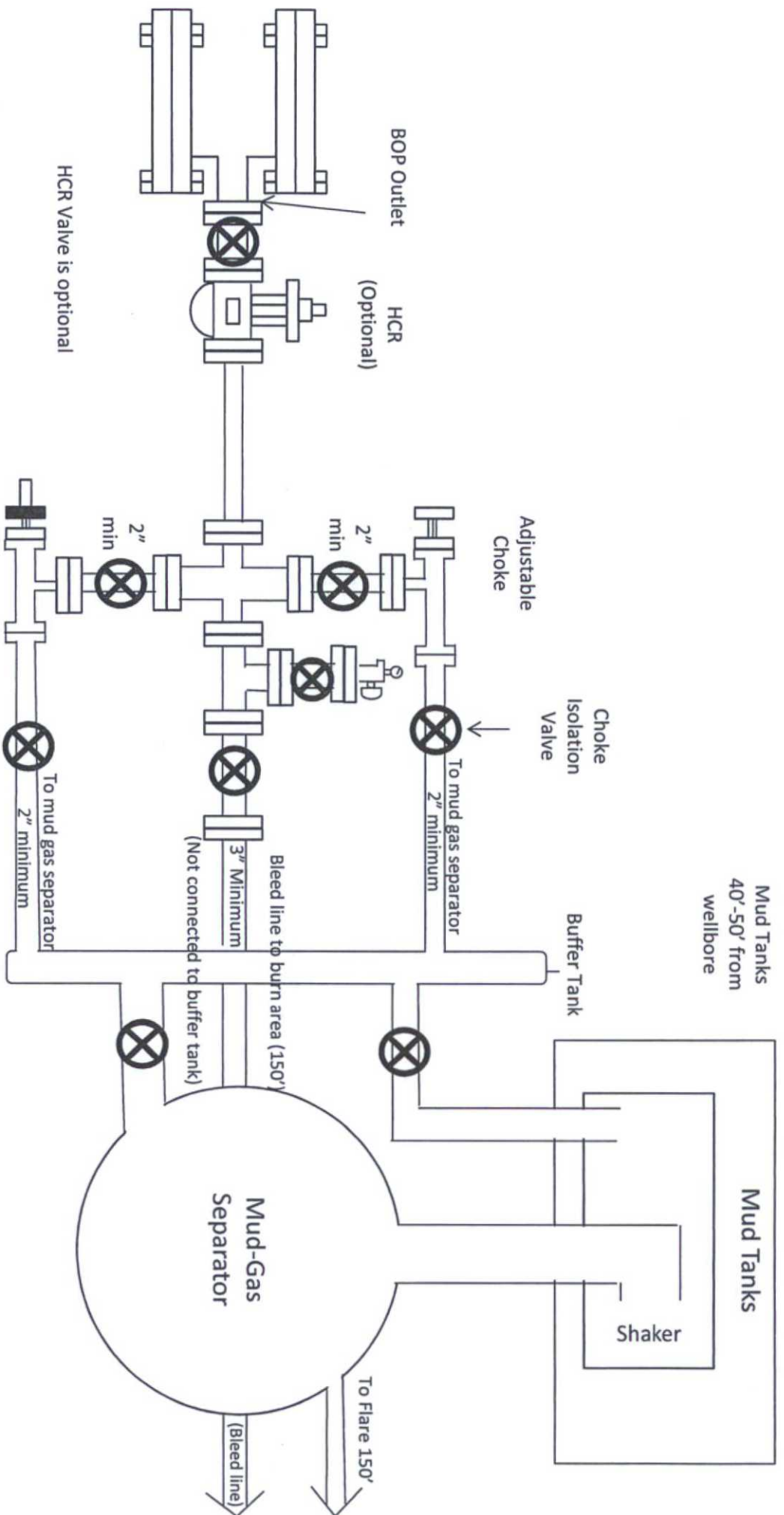


Exhibit E-1 - 13 5/8" x 3000# BOP
Outrider Federal #4H
XTO Energy, Inc.



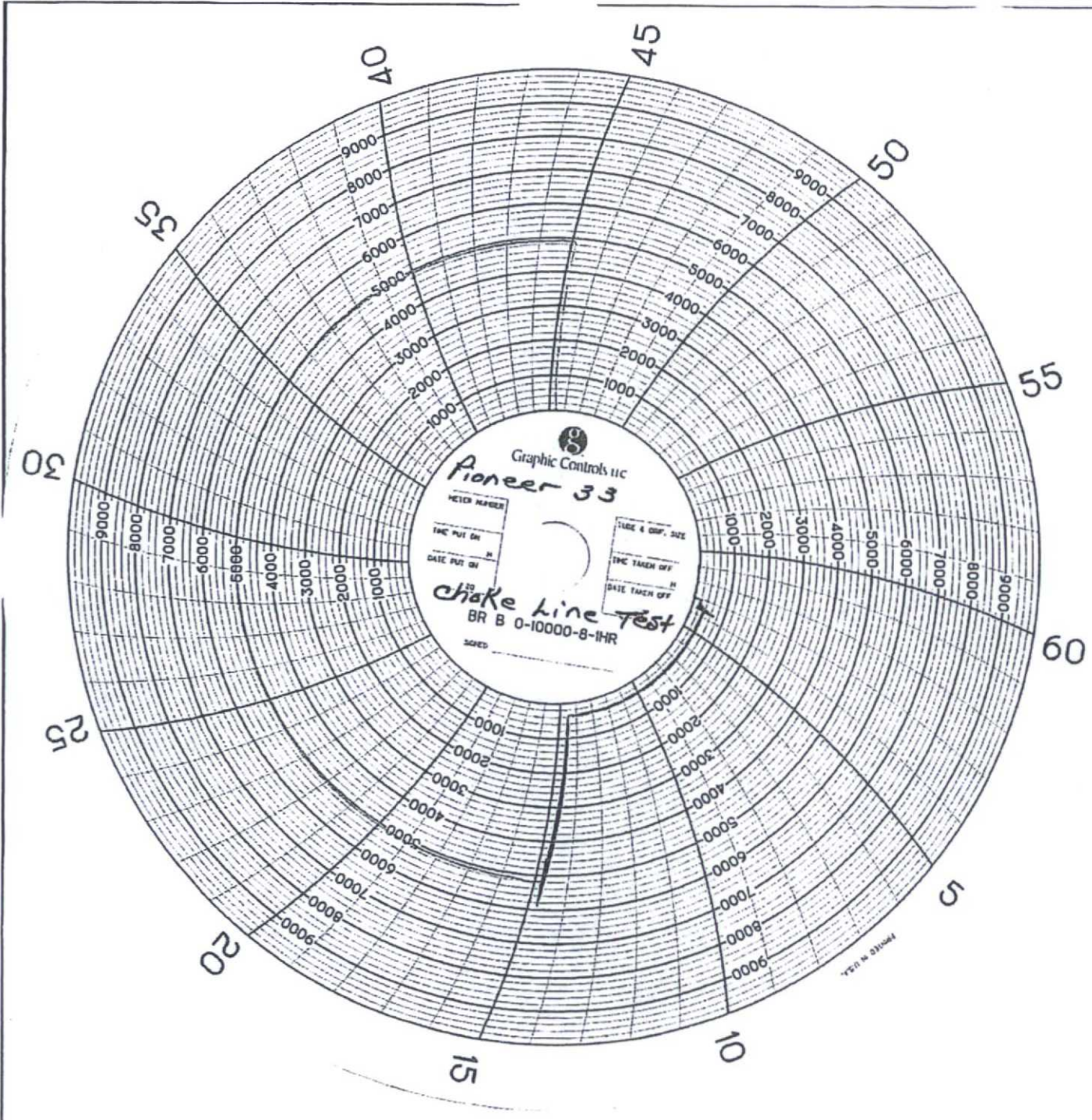


Drilling Operations Choke Manifold

Exhibit E-1 – Choke Manifold Diagram

Outrider Federal #4H

XTO Energy, Inc..





GATES E & S NORTH AMERICA, INC
DU-TEX
134 44TH STREET
CORPUS CHRISTI, TEXAS 78405

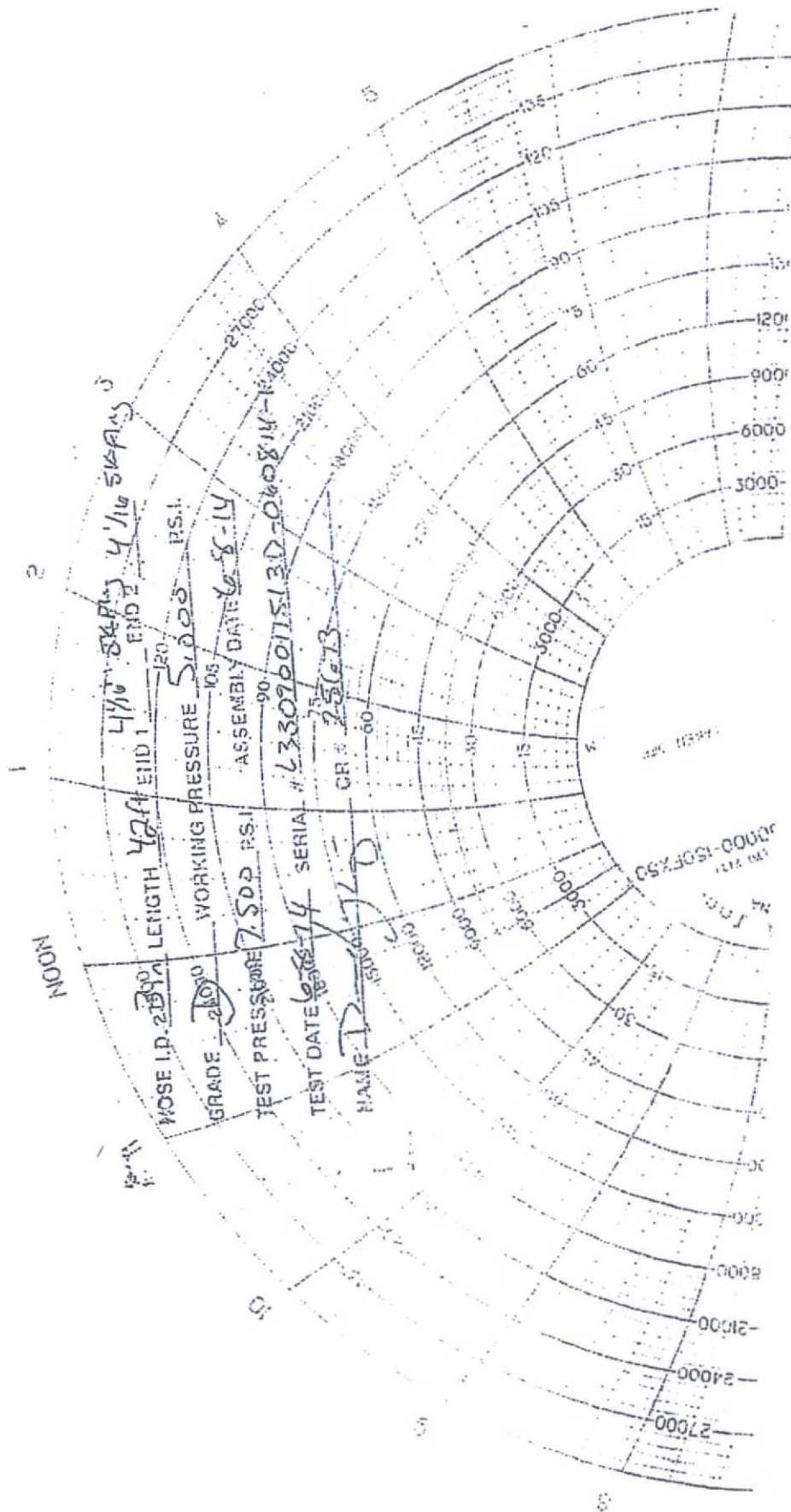
PHONE: 361-887-9807
FAX: 361-887-0812
EMAIL: crpe&s@gates.com
WEB: www.gates.com

GRADE D PRESSURE TEST CERTIFICATE

Customer :	AUSTIN DISTRIBUTING	Test Date:	6/8/2014
Customer Ref. :	PENDING	Hose Serial No.:	D-060814-1
Invoice No. :	201709	Created By:	NORIA
Product Description:	FD3.042.0R41/16.5KFLGE/E LE		
End Fitting 1 :	4 1/16 in. SK FLG	End Fitting 2 :	4 1/16 in. SK FLG
Gains Part No. :	4774-6001	Assembly Code :	L33090011513D-060814-1
Working Pressure :	5,000 PSI	Test Pressure :	7,500 PSI

Gates E & S North America, Inc. certifies that the following hose assembly has been tested to the Gates Oilfield Roughneck Agreement/Specification requirements and passed the 15 minute hydrostatic test per API Spec 7K/Q1, Fifth Edition, June 2010, Test pressure 9.6.7 and per Table 9 to 7,500 psi in accordance with this product number. Hose burst pressure 9.6.7.2 exceeds the minimum of 2.5 times the working pressure per Table 9.

Quality:	QUALITY	Technical Supervisor :	PRODUCTION
Date :	6/8/2014	Date :	6/8/2014
Signature :		Signature :	



Rig Plat Diagram Only – Dual Well Pad Layout

Outrider Federal #4H

V-Door East

