Form 3160-3 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

HOBER OCD

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

5. Lease Serial No.

PECEIVED SHL:NMNM175774/BHL:NMNM111963

APPLICATION FOR PERMIT	6. If Indian, Allotee or Tribe Name						
la. Type of work: ✓ DRILL REF	7 If Unit or CA Agreement, Name and No.						
lb. Type of Well: Oil Well Gas Well Other	8. Lease Name and Well No. Ocioso 28 Federal Com #4H						
2. Name of Operator XTO Energy, Inc (5380)	9. API Well No. 30-02543413						
3a. Address 500 W. Illinois Ste 100	3b. Phone No	0. (include area code)		10. Field and Pool, or Exploratory			
Midland, Texas 79701	432-620-6	6714		Lusk; Bone Spring, South 41460			
4. Location of Well (Report location clearly and in accordance with	ith any State requires	ments.*)		11. Sec., T. R. M. or Blk. and Survey or Area			
At surface 360'FSL & 550'FWL, M-21-T19S-R32E At proposed prod. zone 330'FNL & 531'FWL, D-28-T19	M-21-T19S-R32E						
14. Distance in miles and direction from nearest town or post office				12. County or Parish	13. State		
				Lea	NM		
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of a	No. of acres in lease 17. Spacing Unit dedicated to 160					
18. Distance from proposed location* 1015' to #1H Well		19. Proposed Depth 20. BLM		I/BIA Bond No. on file			
to nearest well, drilling, completed, applied for, on this lease, ft.	ing, completed.						
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	22. Approxi	imate date work will st	art*	23. Estimated duration			
3578'				45 Days			
	24. Atta	chments					
The following, completed in accordance with the requirements of O 1. Well plat certified by a registered surveyor.	nshore Oil and Gas		the operation	nis form: ons unless covered by an exis	ting bond on file (see		
 A Drilling Plan. A Surface Use Plan (if the location is on National Forest Systems SUPO must be filed with the appropriate Forest Service Office 		5. Operator certif	ication	ormation and/or plans as may	be required by the		
25. Signature Rabadul		(Printed/Typed) hanie Rabadue		Date 05/02/2015			
Title Regulatory Analyst				n 100			
Approved by (Signature) /s/Cody Layton	Name	e (Printed/Typed)		131	EP 7 - 2016		
Title FIELD MANAGER	Office	Office CARLSBAD FIELD OFFICE					
Application approval does not warrant or certify that the applicant conduct operations thereon. Conditions of approval, if any, are attached.	holds legal or equ	itable title to those rig	hts in the su	bject lease which would entitle APPROVAL FO	The second secon		
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make i	t a crime for any p	person knowingly and	willfully to	make to any department or ag	ency of the United		

Capitan Controlled Water Basin

(Continued on page 2)

09/01/16 *(Instructions on page 2)

SEE ATTACHED FOR CONDITIONS OF APPROVAL

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

XTO Energy Inc.
Ocioso 28 Federal COM 4H

Projected TD: 14586' MD / 9390' TVD

SHL: 360' FSL & 550' FWL, SECTION 21, T19S, R32E BHL: 200' FSL & 400' FWL, SECTION 28, T19S, R32E

Lea County, NM

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 Water	
Rustler	841'		
Top of Salt	973'		
Base of Salt	2453'		
Delaware	4759'	Water	
Brushy Canyon	5842'	Water/Oil/Gas	
Bone Spring	7264'	Water/Oil/Gas	
1st Bone Spring Ss	8447'	Water/Oil/Gas	
2 nd Bone Spring Ss	9140'	Water/Oil/Gas	
Target/Land Curve	9390'	Water/Oil/Gas	

^{***} Hydrocarbons @ Brushy Canyon

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 @ 875' above the salt and circulating cement back to surface. The salt will be isolated by setting 9-5/8" casing at 4725' 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'-875	13-3/8"	48#	STC	H-40	New	5.32	1.85	7.67
3	0'-3500'	9-5/8"	36#	LTC	J-55	New	1.76	1.18	2.59
	3500' – 4725'45'20	9-5/8"	40#	LTC	J-55	New	1.98	1.41	10.61
8-3/4"	0' - 14586'	5-1/2"	17#	BTC	P-110	New	1.12	1.67	2.29

^{***} Groundwater depth 223' (per NM State Engineers Office).

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: See COA
 - A. Surface Casing: 13-3/8", 48#, NEW H-40, STC casing to be set at \pm 875'.

Lead: 20 bbls FW, then 475 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 4725'.

Lead: 20 bbls FW, then 1400 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. <u>Production Casing:</u> 5-1/2", 17#, NEW P-110, BTC casing to be set at \pm 14586'. Casing will be cemented and will include sliding sleeves for the completion.

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Lead: 20 bbls FW, then 455 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: 1350 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 coment 500' into intermediate easing shoe Taca 50' above Capitan Reed ~ 3015' - See COT

5. PRESSURE CONTROL EQUIPMENT: See COA

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 4500 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 nippling up on the 13-5/8" 3M bradenhead and flange, the BOP test will be limited to 3000 psi. When nippling 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.

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: See COA

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' to 875,720	17-1/2"	FW/Native	8.4 - 8.8	35 - 40	NC
875' to 4725'	12-1/4"	Brine/Gel Sweeps	9.8 - 10.2	30 - 32	NC
4725' to 14586'	8-3/4"	FW / Cut Brine / Poly-Sweeps	8.6 - 9.2	29 - 32	NC - 20

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:

- 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 below intermediate casing.

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 COM

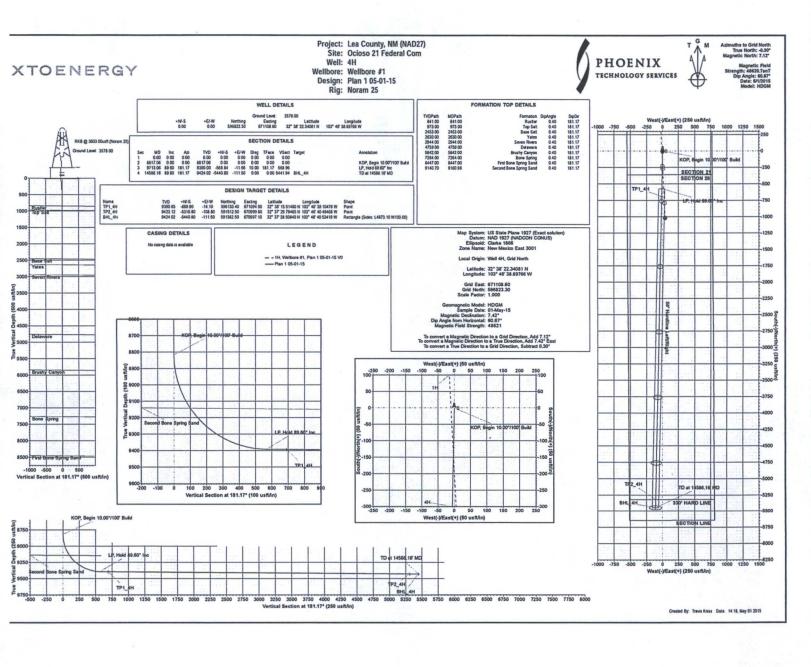
None anticipated. BHT of 160 F is anticipated. No H2S is expected but monitors will be in place to detect any H2S occurrences. Should these circumstances be encountered the operator and drilling contractor are prepared to take all necessary steps to ensure safety of all personnel and environment. Lost 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.

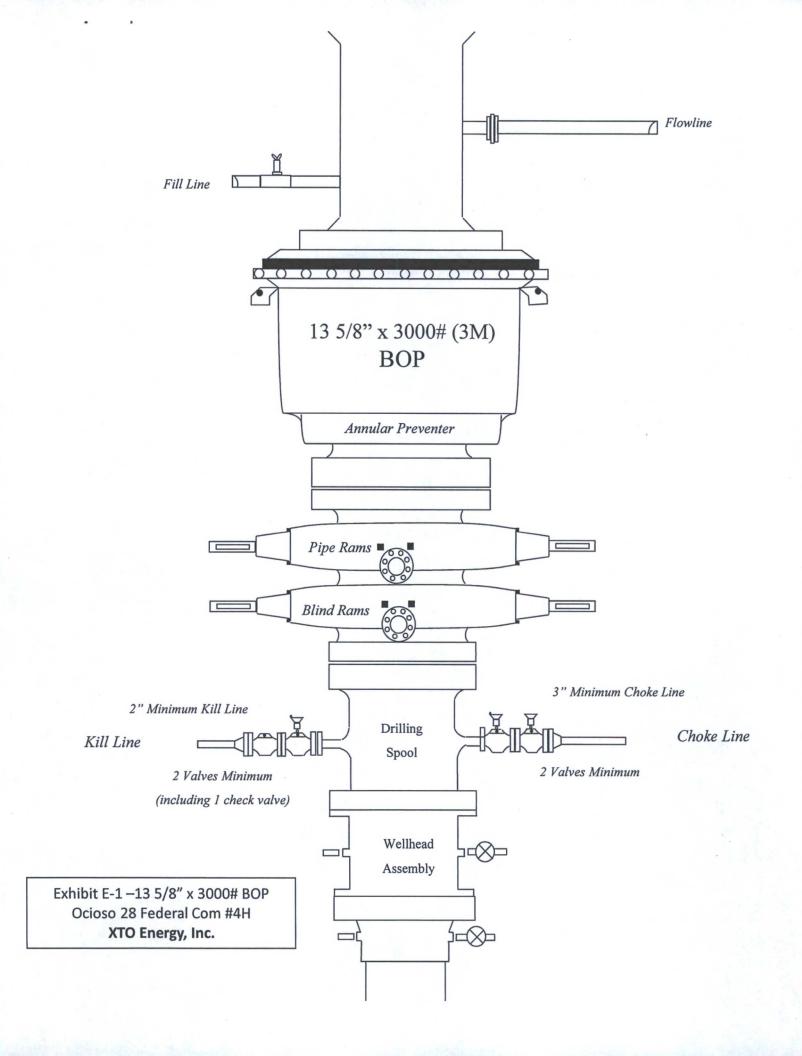
10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

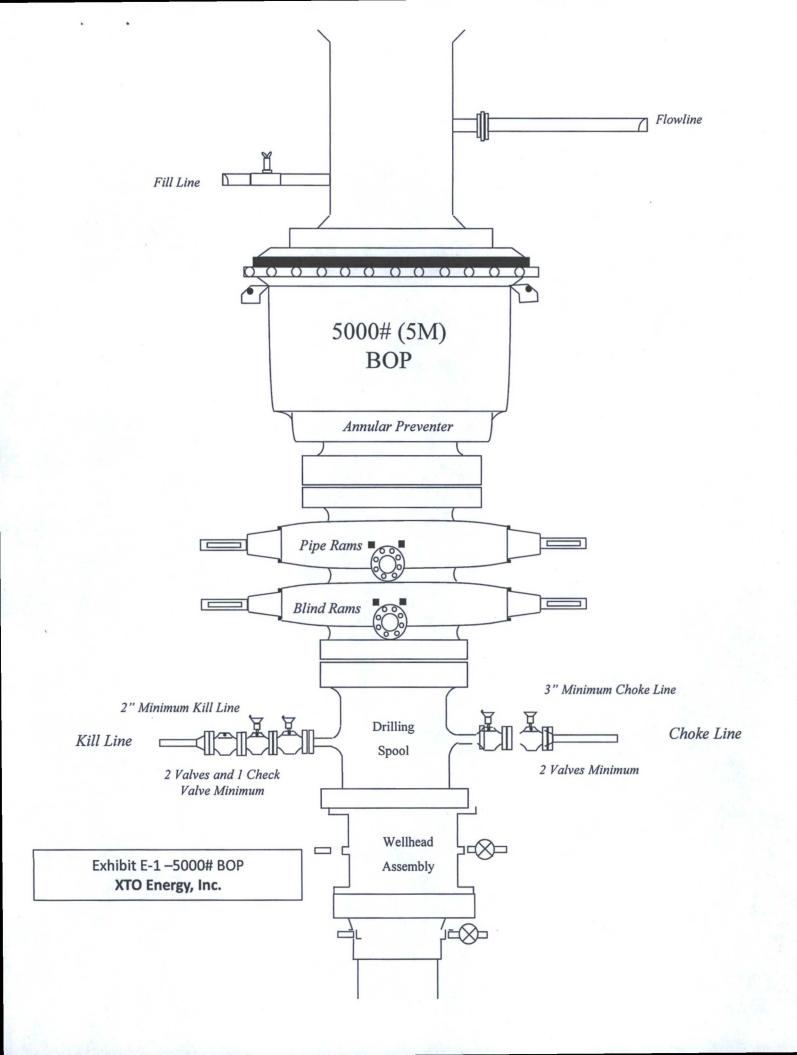
Road and location construction will begin after Santa Fe and BLM have approved the APD. Anticipated spud date will be as soon after Santa Fe and BLM approval and as soon as a rig will be available. Move in operations and drilling is expected to take 40 days. If production casing is run, an additional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

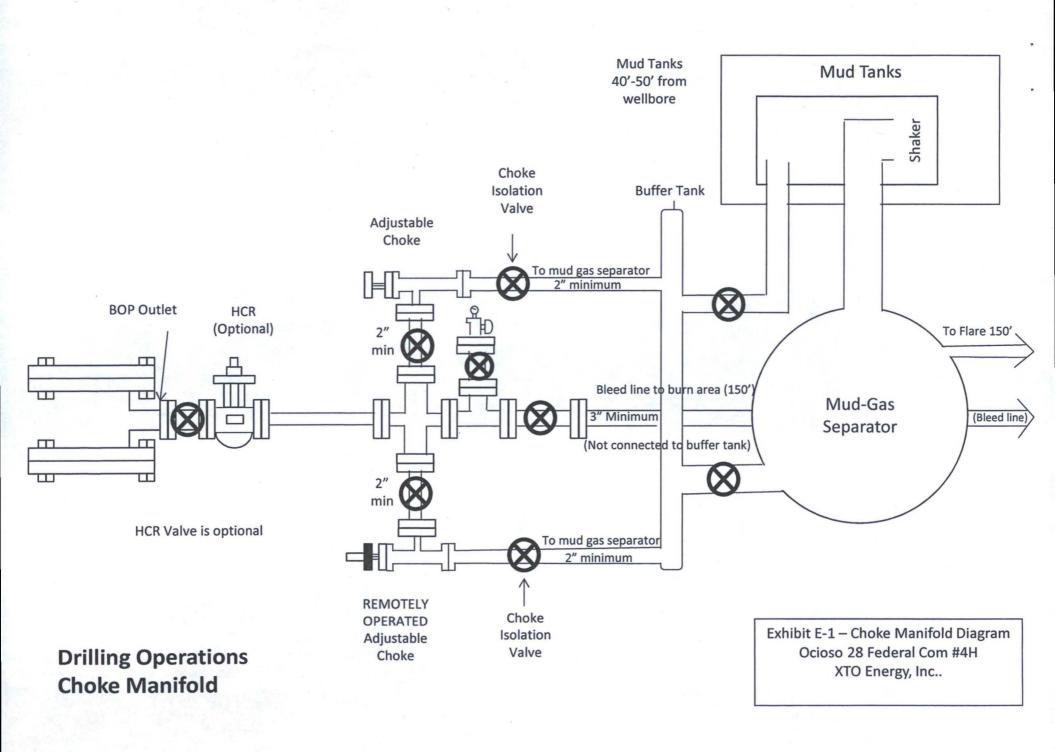
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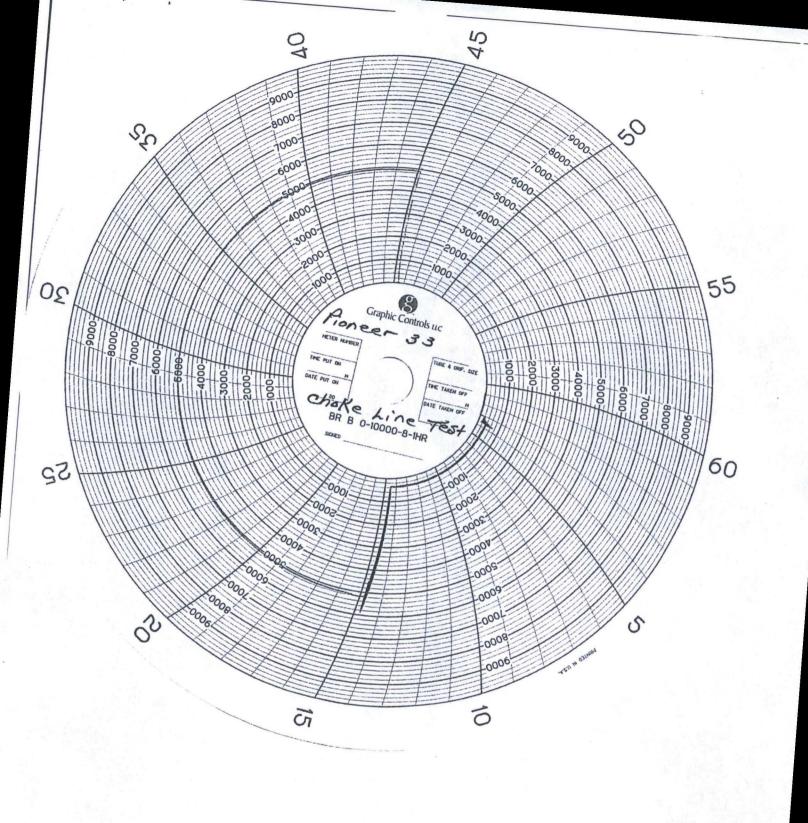
RECEIVED













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: Customer Ref. :

Invoice No. :

AUSTIN DISTRIBUTING PENDING

201709

Test Date:

Hose Serial No .:

Created By:

6/8/2014

D-060814-1 NORMA

Product Description:

FD3.042.0R41/16.5KFLGE/E LE

End Fitting 1:

Gates Part No. : Working Pressure: 4 1/16 in.5K FLG 4774-6001 5,000 PSI

End Fitting 2:

Assembly Code:

Test Pressure:

4 1/16 in.5K FLG

L33090011513D-060814-1

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:

Date :

Signature:

QUALITY 6/8/2014

Technical Supervisor:

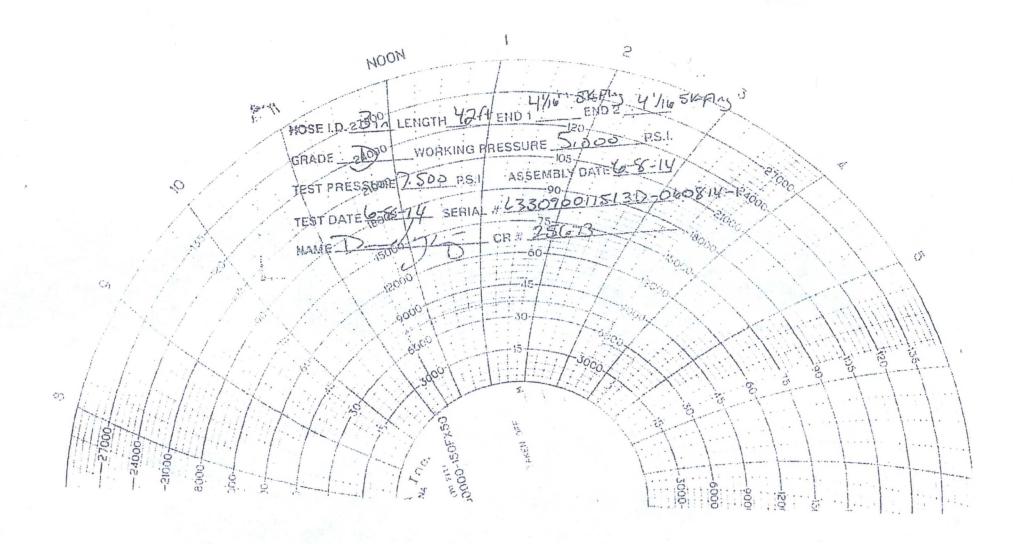
Date:

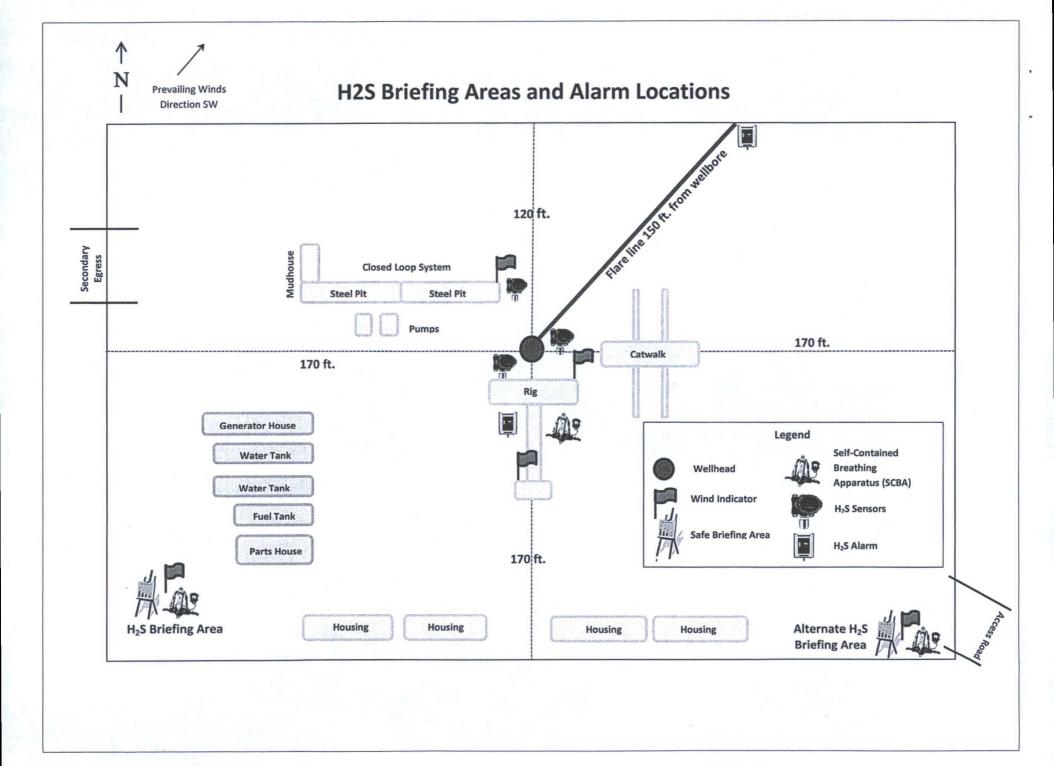
Signature:

PRODUCTION

6/8/2014

Form PTC - 01 Rev.0 2







May 30, 2015

Stephanie Rabadue XTO Energy Inc. 500 W. Illinois St Ste 100 Midland, TX 79701 432-620-6714 stephanie_rabadue@xtoenergy.com

Bureau of Land Management 620 E. Greene Carlsbad, NM 88220 575-887-6544

Dear Sirs:

XTO Energy Inc. does not anticipate encountering H2S while drilling the Ocioso 28 Federal Com #4H located in Section 21, T19S, R32E, in Lea County, New Mexico. As a precaution, I have attached an H2S contingency plan along with a gas analysis of our well stream. If you need anything further, please contact me at the telephone number or email listed above.

Thank you,

Stephanie Rabadue Regulatory Analyst

Stephanie Rabadue