District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410

E-mail Address: specialtpermitting@gmail.com

Phone: 575-361-4078

Date: 1/07/11

State of New Mexico **Energy Minerals and Natural Resources**

June 16, 2008 Submit to appropriate District Office

Oil Conservation Division 1220 South St. Francis Dr.

R1

Form C-101

District IV 1220 S. St. F	rancis Dr.,	Santa Fe, NN	A 87505			a Fe, NM		Л.			∐ AMI	ENDED REPO
			ERMIT TO A ZONE	O DRIL	L, RE-EN	ITER, D	EEPE	N,				
I E C G D		711122	Operator Name	and Addres	SS				205000	² OGRID	Number	
			XTO Ener	gy, Inc.					005380	³ API N	umber.	10
	³ Property Code ⁵ Property							30 - 6\15 - 5094 - 6 Well No.				No.
	3531	,	Proposed Pool 1		,	ild 6 State			to Pron	Proposed Pool 2		
7		Wil	low Lake Delawa	re	m							
	Location				<u>, </u>		N. 1./C. 1	. 1	F . C . d	F (917	. 1:	
UL or lot no. 1	Section 06	Township 25 S	Range 29 E	Lot Io	1	rom the	North/South South	line	Feet from the 990	East/Wes East	- 1	County Eddy
	,	7	ion If Differer		-							
UL or lot no.	Section	Township	Range	Lot Id	dn Feet fr	rom the	North/South	line	Feet from the	East/Wes	st line	County
Addition		Informat										
	Type Code N	1-	¹² Well Type Co O	de -		le/Rotary R _		¹⁴ L	ease Type Code S		15 Ground	d Level Elevation 2891
¹⁶ N	Aultiple		¹⁷ Proposed Dep 5300	oth _	¹⁸ Formation Brushy Canyon		_	1	⁹ Contractor	²⁰ Spud Date		
1	No _		3300		Diusity	y Carryon					····	
²¹ Propos	sed Casi	ng and C	ement Prog	ram								
Hole S		~~~~~	sing Size	r			ing Depth Sacks of Ce		ement Estimated TOC			
12 ½			5/8"	24#			600'		380		Surface	
7 7/	8"	5 ½"		17#			5300'		790	Surfa		Surface /
	<u>, </u>											
<u>,, </u>		†										
Describe the	blowout pr	revention pro	gram, if any. Us	e additional	sheets if necess		he data on	the pres	RE(DEIV	ED	w productive zon
best of my kr	ertify that the nowledge ar	ne information de belief.	n given above is	true and cor	mplete to the		Ol	IL CC	NSERVAT	TION D	IVISIO	ON
Signature:	Da	y W	Hist			Approved	i by:		Jacam	1		
Printed name	: Barry W			 		Title:	<u>,*</u>		7 201000	<u>'</u>		
Title: Permit	Agent for X	KTO Energy				Approval	Date: 3/	9/2		xpiration D	ate: 310	112013
E mail Addre	aga amagialt	narmittina/a	amail aam			1 -		·/ / /	/ ' 			· 1 V O

Conditions of Approval Attached



DRILLING PROGRAM

XTO Energy Inc., 200 North Loraine, Suite 800, Midland, TX

Goldenchild 6 State #1 2080' FSL & 990' FEL

Unit I, Section 6, T-25-S, R-29-E

Eddy County, NM

Projected TD: 5300' TVD/MD

1. GEOLOGIC NAME OF SURFACE FORMATION: Quaternary

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

Formation	Well Depth (ft)	Water / Oil / Gas
Base of Castille	2722	Water/Oil/Gas
Bell Canyon	2782	Water/Oil/Gas (*)
Base Manzanita	3774	Water/Oil/Gas
Cherry Canyon E1	4672	Water/Oil/Gas
Cherry Canyon E2	4792	Water/Oil/Gas
Cherry Canyon E3	4891	Water/Oil/Gas
Cherry Canyon E4	5029	Water/Oil/Gas (*)
Cherry Canyon E5	5106	Water/Oil/Gas
Brushy Canyon	5204	Water/Oil/Gas

^(*) Primary hydrocarbon-bearing strata

3. CASING PROGRAM:

The surface fresh water sands will be protected by setting 8-5/8" casing at ± 600 ° and circulating cement back to surface. The hydrocarbon productive Bell Canyon and Cherry Canyon intervals will be isolated by setting 5-1/2" casing to total depth and circulating cement to surface.

Hole Size	Depth	OD Csg	Weight	Collar	Grade	New/Used	SF Burst	SF Collapse	SF Tension
12-1/4"	0'-600'	8-5/8"	24#	STC	J-55	New API	1.19	5.29	30.29
7-7/8"	0' - 5300'	5-1/2"	17#	LTC	J-55	New API	2.58	1.98	3.51

WELLHEAD:

A. Starting head: 11" 3000 psi top flange x 8-5/8" SOW bottom.

B. Tubing spool: 11" 3000 psi bottom flange x 7-1/16" 3000 psi top flange

4. CEMENT PROGRAM:

A. Surface Cement:

Slurry: 380 sx HalCem-C + 2% CaCl (14.8 ppg, 1.35 cu ft/sk, 6.39 gal/sk

Compressive Strengths: 12 hr - 607 psi, 24 hr - 993 psi

All volumes 100% excess. Cement to surface.

B. Production Cement:

Lead Slurry: 385 sx EconoCem-HLC + 5% salt + .25 pps Poly-E-Flake

 $(12.4 \text{ ppg}, 2.09 \text{ ft}^3/\text{sk}, 11.58 \text{ gal wtr/sk})$

Compressive Strengths: 12 hr - 220 psi 24 hr - 450 psi

Tail Slurry: 405 sx HalCem-C + 0.4% LAP-1 + 0.3% CFR-3 + 0.25 pps D-AIR 3000

 $(14.8 \text{ ppg}, 1.33 \text{ ft}^3/\text{sk}, 6.30 \text{ gal/sx wtr})$

Compressive Strengths: 12 hr - 515 psi, 24 hr - 1247 psi

All volumes to be adjusted per caliper log. Cement to surface.

5. PRESSURE CONTROL EQUIPMENT:

The blowout preventer stack for the production hole will consist of a double ram blowout preventer and annular preventer rated to 3000 psi working pressure. All BOP's and accessory equipment will be tested before drilling out. A hydraulic closing unit will be a part of this equipment and will be function tested daily.

6. PROPOSED MUD CIRCULATION SYSTEM:

INTERVAL	Hole Size	Mud Type	MW (ppg)	Viscosity (sec/qt)	Fluid Loss (cc)
0' to 600'	12-1/4"	FW/Native	8.5-9.0	32-34	NC
600' to 5000'	7-7/8"	Brine/ Poly- Sweeps	10.0-10.1	29	NC
5000' to 5300'	7-7/8"	Brine/Poly- Starch	10.0-10.1	32-34	12-15

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

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. Hydrogen sulfide detection equipment and breathing apparatus will be in operation from drilling out the 8-5/8" casing shoe until the 5-1/2" casing is cemented.

8. LOGGING, CORING AND TESTING PROGRAM:

- A. Potential drill stem tests will be based on geological sample shows.
- B. No coring is anticipated.
- C. Mudlogger unit will be on and working from 2700' to TD.
- D. Open hole logging to include Density/Neutron/Dual Laterlog/Gamma from TD to surface casing, with Neutron/Gamma continuing to surface.

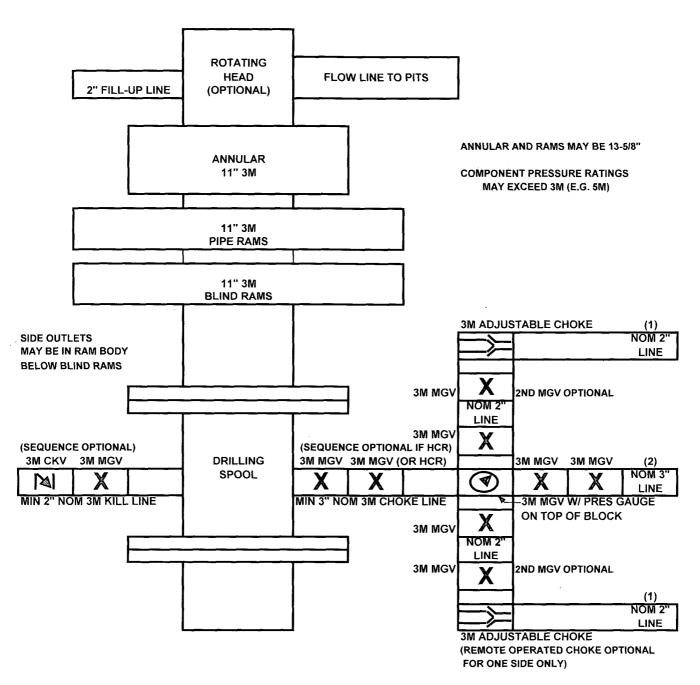
9. ABNORMAL PRESSURES AND TEMPERATURES / POTENTIAL HAZARDS:

No abnormal pressures are anticipated. Max bottom hole pressure should not exceed 2465 psi (a normal saltwater gradient). BHT of 100° F is anticipated. H2S is not expected but will be watched for. Monitors will be in place to detect H2S occurrences (as mentioned above). 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. Should any abnormal or hazardous circumstances be encountered personnel on location will take necessary steps to ensure safety of all personnel and environment.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

Road and location construction will begin after OCD has approved APD. Anticipated spud date will be as soon as possible after OCD approval and a rig becomes available. Move in operations and drilling is expected to take 15 days. If production casing is run then 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.

3M BOP SCHEMATIC



- (1) Line to mud gas separator and/or pit
- (2) Bleed line to pit

MGV - Manual Gate Valve

CKV - Check Valve

HCR - Hydraulically Controlled Remote Valve

Choke Manifold OPTIONAL AR ORIVEN OPTIONAL AR ORIVEN OPTIONAL AR ORIVEN FOR ANNULAR PREVENTER VALVES TO ANNULAR PREVENTER VALVES

FIGURE K6-1. The schematic sketch of an accumulator system shows required and optional components.

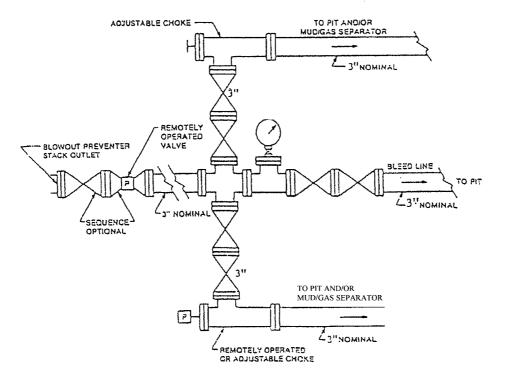
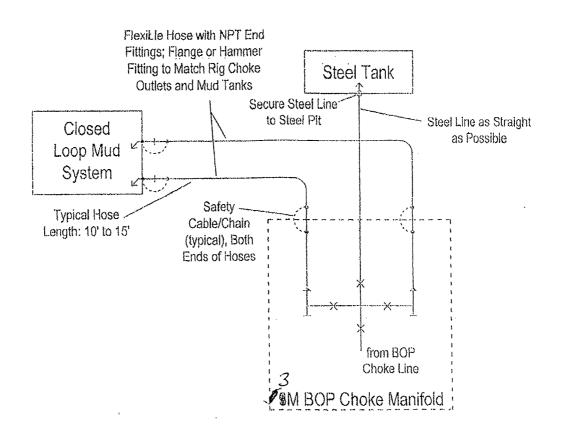
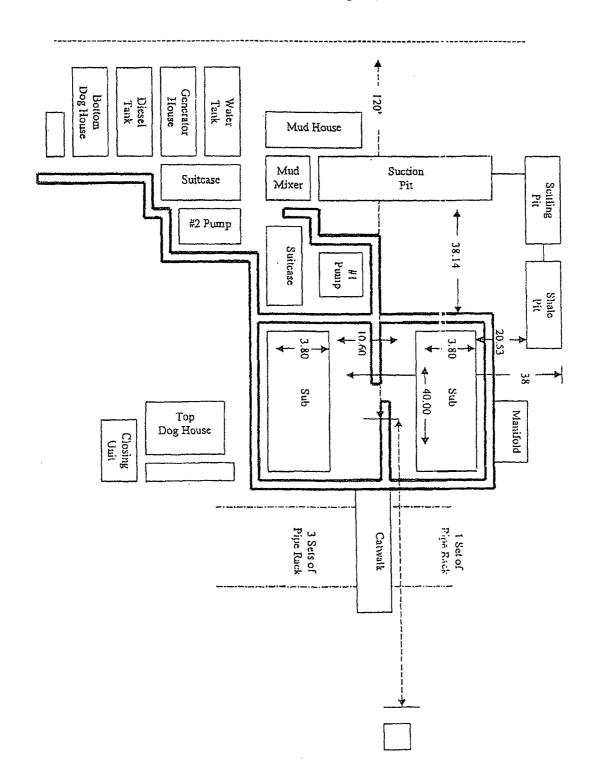


FIGURE K4-2. Typical choke manifold assembly for 5M rated working pressure service – surface installation.



Plat for Closed Loop System





HYDROGEN SULFIDE (H2S) CONTINGENCY PLAN

Assumed 100 ppm ROE = 3000'

100 ppm H2S concentration shall trigger activation of this plan.

Emergency Procedures

In the event of a release of gas containing H₂S, the first responder(s) must

- Isolate the area and prevent entry by other persons into the 100 ppm ROE.
- Evacuate any public places encompassed by the 100 ppm ROE.
- Be equipped with H₂S monitors and air packs in order to control the release.
- Use the "buddy system" to ensure no injuries occur during the response
- Take precautions to avoid personal injury during this operation.
- Contact operator and/or local officials to aid in operation. See list of phone numbers attached.
- · Have received training in the
 - o Detection of H₂S, and
 - o Measures for protection against the gas,
 - o Equipment used for protection and emergency response.

Ignition of Gas source

Should control of the well be considered lost and ignition considered, take care to protect against exposure to Sulfur Dioxide (SO₂). Intentional ignition must be coordinated with the NMOCD and local officials. Additionally the NM State Police may become involved. NM State Police shall be the Incident Command on scene of any major release. Take care to protect downwind whenever this is an ignition of the gas.

Characteristics of H₂S and SO₂

Common	Chemical	Specific	Threshold	Hazardous	Lethal		
Name	Formula	Gravity	Limit	Limit	Concentration		
Hydrogen Sulfide	H ₂ S	1.189 Air = I	10 ppm	100 ppm/hr	600 ppm		
Sulfur Dioxide	SO ₂	2.21 Air = I	2 ppm	N/A	1000 ppm		

Contacting Authorities

XTO Energy Inc's personnel must liaison with local and state agencies to ensure a proper response to a major release. Additionally, the OCD must be notified of the release as soon as possible but no later than 4 hours. Agencies will ask for information such as type and volume of release, wind direction, location of release, etc. Be prepared with all information available including directions to site. The following call list of essential and potential responders has been prepared for use during a release. (Operator Name)'s response must be in coordination with the State of New Mexico's "Hazardous Materials Emergency Response Plan" (HMER).

EUNICE OFFICE – EDDY & LEA COUNTIES

EMSU @ Oil Center, NM, 8/10ths mile west of Hwy 8 on Hwy 175 Eunice, NM	575-394-2089
Buckeye Office @ Lea County: From Hobbs, NM take Hwy 62/180 West Approx. 10 miles to SH 529, turn NW on SH 529 for 3 miles, turn North On Hwy 238, proceed North approx 8 miles to Buckeye field office (1/4 mile North of Buckeye store)	575-396-0542
XTO ENERGY INC PERSONNEL:	
Boogie Armes, Sr. Drilling Superintendent Bob Chance, Drilling Superintendent Chip Amrock, Sr. Drilling Engineer Jeff Raines, Construction Foreman Dudley McMinn, EH & S Manager Rick Wilson, Production Foreman Jerry Parker, Buckeye Production Foreman David Paschal, Eunice Monument Production Foreman Gene Hudson, Maintenance Foreman Guy Haykus, Production Superintendent	432-556-7403 432-296-3926 432-638-8372 432-557-3159 432-557-7976 575-441-1147 575-441-1628 575-390-7167 575-441-1634 575-634-5677
SHERIFF DEPARTMENTS:	
Eddy County Lea County	575-887-7551 575-396-3611
NEW MEXICO STATE POLICE:	575-392-5588
FIRE DEPARTMENTS:	911
Carlsbad Eunice Hobbs Jal Lovington	575-885-2111 575-394-2111 575-397-9308 575-395-2221 575-396-2359
HOSPITALS:	0.1.1
Carlsbad Medical Emergency Eunice Medical Emergency Hobbs Medical Emergency Jal Medical Emergency Lovington Medical Emergency	911 575-885-2111 575-394-2112 575-397-9308 575-395-2221 575-3'96-2359
AGENT NOTIFICATIONS:	
Bureau of Land Management New Mexico Oil Conservation Division Mosaic Potash - Carlsbad	575-393-3612 575-393-6161 575-887-2871
CONTRACTORS:	
ABC Rental – Light Towers Bulldog Services – Trucking/Forklift Champion – Chemical Indian Fire & Safety Key – Dirt Contractor Key Tools – Light Towers Sweatt – Dirt Contractor RWI – Contract Gang	575-394-3155 575-391-8543 575-393-7726 575-393-3093 575-393-3180 575-393-2415 575-397-4541 575-393-5305



December 8, 2010

To Whom It May Concern:

Mr. Barry Hunt is employed by XTO Energy Inc. to sign as their agent for APD's and Right of Ways in the state of New Mexico and Texas.

If you have any questions, please contact me at my office at 432-682-8873.

Sincerely,

Don Eubank XTO Energy Inc. Drilling Manager