District 1

1625 N French Dr , Hobbs, NM 88240 Phone (575) 393-6161 Fax: (575) 393-0720

Phone (575) 393-6161 Fax: (575) 393-0720
<u>District II</u>
811 S First St., Artesia, NM 88210
Phone (575) 748-1283 Fax: (575) 748-9720
<u>District III</u>
1000 Rio Brazos Road, Aztec, NM 87410

Phone: (505) 334-6178 Fax: (505) 334-6170 <u>District IV</u>
1220 S St. Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3460 Fax. (505) 476-3462

State of New Mexico

Form C-101 Revised December 16, 2011

Permit

Energy Minerals and Natural Resources Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

			Operator Name a XTO Energ 382 CR 3100, Azte 505/333-3							OGRID N 5380 API Nur 30-045		372
⁴ Prope	erty Code 22835				Property Name SULLIVAN A	,		!			" Well No 1F	
					⁷ Surface Lo	catio	n					
UL - Lot L	Section 25	Township 29N	Range 11W	Lot Idn Feet from N/S Line Feet From E/W Line 1703 S 889 W							e	County SAN JUAN
	<u>!</u>	<u>!</u>	<u> </u>		Pool Inform	natio	n	<u> </u>				
ASIN DAKOTA TERO CHACR RMENTA GAL	(PRORATED	,										71599 82329 2290
9			10 11	Addi	tional Well I	nfori		12 -		1: 1:	3	
	k Type Well		¹⁰ Well Type GAS		11 Cable/Rotary			¹² Lease Fee		,		evel Elevation 95 5
14 Multiple 15 Proposed Depth 16 Formation Pakota Dakota								17 Contra	actor			d Date /2012
Depth to Gro	ınd water				fresh water well					nearest sur	rface water	
				Proposed	Casing and	Cem	ent Pro	gram	[
Туре	Hol	e Size	Casing Size	Casing W	/eight/ft	Settin	g Depth		Sacks of C	ement	Es	timated TOC
Surf	12	2.25	8.625	24	ļ	3	60		214			
Int. 1	7.	875	5.5	15.	5	6	450		246 Le	ad		
Int. 1	7.	875	5.5	15.	5	6	450		100 T	ail		
Int. 2	7.	875	5.5	15.	.5	6	450		300 Le	ad	ļ	
Int. 2	7.	875	5.5	15.	5	6	450	-	100 T	ail		
			Casir	ig/Cement	Program: A	Addit	ional C	omm	ents			
										R	CVD M	AY 9'12
lease see	attached o	drilling pro	ogram BOP and	choke manif	old diagrams.	יחי) <i>a</i>	٦c٠		0	IL CO	IS. DIV.
			יוחר	11 1 MZ		ג נוי	4 'H	15.			nic	1 3
			THE	(27 11) (CASING	8. (FMF	-N				

Type Working Pressure Test Pressure Manufacturer

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines a general permit of an (attached) alternative OCD-approved plan of the property of

MAY 1 7 2012 Ca

R

Printed name MALIA VILLE	RS	Title: SUPERVISOR DISTRICT #.3						
Title PERMITTING TECH.		Approved DateMAY 1 6 2012	Expiration Date MAY 1 6 2014					
E-mail Address. matia_villers@	Dxtoenergy com							
Date: May 07, 2012	Phone 505/333-3698	Conditions of Approval Attached						

,



District 1
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax. (575) 393-0720
District II
STITS St., Artesia, NM 88210
Phone: (575) 748-1283 Fax. (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax. (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax; (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Revised August 1, 2011 Submit one copy to appropriate District Office

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe. NM 87505

MENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

	Number	35372	, _	Pool Code			^	³ Pool Na			
Property Co		7001	-1	11599	• p	Property N	1305 Ln	DUKO		• ₩	ell Number
2283						IVAN A					#1F
OGRID No.					°C	perator l	Vame				Elevation
2380	,				XTO E	NERGY,	INC				559 (p
					10 Su	ırface I	Location				
UL or lot no.	Section 25	Township 29-N	Range	Lot Idn	Feet fro	om the	North/South line SOUTH	Feet from the 889'	East/We		County SAN JUAN
	2.5	23-11			!	i			***		JAN JOAN
UL or lot no.	Section	Township	Range	Lot Idn	Feet fre		Different From	Feet from the	East/We	st line	County
							,				
18 Dedicated Acre		Joint of	Infill	Consolidation	Code	Order No					
W/2	320	,									
No allowable wi	ill be assi	gned to this	comple	tion until all	interest	have bee	en consolidated or	a non-standar	d unit has	been ap	proved by the
	/										
16				1				17 O	PERATO	R CER	TIFICATION
								true and	complete to the	best of m	on contained herein is ny knowledge and
,	1			1		İ		interest	r unleased mir	eral intere	
	į										location or has a tion pursuant to a
				1				11			mineral or working agreement or a
				<u> </u>				compulsor division.	y pooling order	r haretofore	entered by the
								100-	· \.	١,,	- - - 7 10
,				1				Signa	ture	LLE	Date
∕ ⊋								Print	1010	L'U	lers
CHAINS(R)								mal	الأثاد	را کے۔	DULABADER
1999 371 3				25				E-mi	il Address	E-1-24	COM
NO.01.W E				L		ļ		18 S	URVEYO	R CER	TIFICATION
3.6x		ENERGY, .IVAN A #		1							ition shown on this plat ctual surveys made by
		ACE LOCATI		1				me or u		vision, and	that the same is true
889' 3	e LONG	. 107.94902°V 36°41'40.180'N	/ - NAD 83	· /-						-	
\$5'(M		. 107°56'54 24		27				Pate	B 28, 20	1124	
.909				7				Signat	ure and Shal	of Frotesal	makrenveror:
_E 2											
NO'13'42"E 2606.35'	1703			1		.				3466	3
S S								11 6			
†				+				wiiti	ME. MA	HNKE	
		1'E 39.70 CH 59'11"E 2627		FD 5/8° REBAR			5 Chains (R) 2595.92'(M)	Certific	ate Number	2LS-84	66
FD FLM 3 1/4° BRASS CAP 1999		/	/ /				FD BLM BRASS C	3 1/4°			

District 1
1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax. (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone (575) 748-1283 Fax: (575) 748-0720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
District IV
1220 S. St. Francis Di., Santa Fe, NM 87505
Phone. (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe. NM 87505

Revised August 1, 2011 Submit one copy to appropriate District Office

MENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API	Number		Pool Code Pool Name									
30-01	45-	35372	8	232	9		Hero C	סבל	Ω			
Property Co	ode				° Pro	perty l	Name				e 4	ell Number
22839	5				SULLIV	'AN A				İ		#1F
OGRID No.	·				* Op	erator l	Name					Elevation
5380	,				XTO EN	ERGY,	INC			-		5595.5
			···-	· · · · · · · · · · · · · · · · · · ·	10 Sur	fuga l	Location					
UL or let no.	Section	Township	Range	Lot Idn	Feet from		North/South line	Foot	from the	East/Wes	t line	County
L L	25	29-N	11-W	Lot Idii	170	1	SOUTH		389'	WES		SAN JUAN
				**	<u> </u>							
UL or lot no.	Section		DU	Lot Idn	Peet from		Different From		from the	East/Wes	nt line	Country
or or lot no.	Section	Townsmp	Range	Lot lan	Feet Iron	и ше	worth/South line	reet	mom the	East/ Wes	at mie	County
12 Dedicated Acres	S 13	Joint of I	nfill C	onsolidatioff	Code O	rder No	<u>. </u>	L		L		
and	11-5		ĺ		1							
SW/4	ו נסנ)										
No allowable wi division.	ll be ass	igned to this	completio	n until ali	interest ho	ave bee	en consolidated or	a non	-standard	unit has	been ap	proved by the
									·			
16									17 OP	ERATOR	R CER	TIFICATION
	İ					1						m contained herein is
	}								J	-	-	y knowledge and ither owns a working
									interest or	unleased min	eral intere	st in the land
	ĺ					1			• -			location or has a tion pursuant to a
	-								1		-	mineral or working agreement or a
	İ					į		- 1	compulsory			entered by the
									division.			
]					-		}	mi	` \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	110-	5711
								1	Signatu	بلكميا	The	05-1-12
	1								m	120	11:1	10
&	1					j			Printed	Name	<u> </u>	1612
ED 3 1/4" N BRUSS COP IN IN IN IN IN IN IN IN IN IN IN IN IN	1			•				1	lmalia	ville	~<0	vine namu
1099		, ,		, or		-				Address	120	stoenergy.
) / 8 /	-/-	-//	1	25								١٢١ د
W.10.0N	VT0	ENERGY III	^			-			18 SU	RVEYOR	R CER	TIFICATION
, 0		ENERGY, IN IVAN A #1F		1								ition shown on this plat
,	SURF	ACE LOCATION	4						me or und	er my superv	rision, and	tual surveys made by that the same is true
889'		36,69450°N- NAD i. 107,94902°W -		1					and correct	to the best	of my bel:	ief.
<u> </u>	LAT. 3	36°41'40 180'N -	NAD 27	_						28, 70	1200 4	
- SE	LUNG	i. 107°56'54 242″	W - NAU 2	′								2
2606.	1			X				İ	Signatur	and Shai d	Y Fotoga	prok Surveyor:
μ 2						1			3		$Z \searrow \emptyset$	3)=
. 42	1703'									118	466	3
NO'13'42"E	-			1				[000	$X \searrow$	\mathcal{L}	15%
ž								ļ	1		4	
/				1					WILLIAM	E NAL	NKE I	
_	1	1'E 39.70 Chail 59'11"E 2627 71		FD 5/8" REBAR			5 Chains (R) 2595.92'(M)	1		Number 2	LS-84	66
FD DIM (1/4"	209	59'11"E 2627.7	(M)	REBAR	209.24	4 30 E		1/4.)			
FD BLM 6 1/4" BRASS CAP 1999	-	(l				FD BLM : BRASS C	Nº 1999				

DISTRICT 1
1625 N French Dr., Hobbs, NM 88240
Phone (575) 393-6161 Fax. (575) 393-0720
DISTRICT H
811 S First St., Artesia, NM 88210
Phone. (575) 748-1283 Fax: (575) 748-9720
DISTRICT H
1000 Rio Brazos Road, Aztec, NM 87410
Phone (505) 334-6178 Fax (505) 334-6170
DISTRICT H
1220 S St. Francis Dr., Santa Fe, NM 87505
Phone. (505) 476-3460 Fax: (505) 476-3462

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe. NM 87505

Revised August 1, 2011 Submit one copy to appropriate District Office

MENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

		*****				20 1101	BITGE BEE					
12 -V	Number	-3537	2 2	Pool Code		6	trment	\sim	ol Nam			
*Property C		·····				*Property		ن السحسان	-6-	7	• N	Tell Number
22839	=				SU	LLIVAN A				İ		#1F
10CRID No	>					Operator	Verna					Elevation
OGRID NO	,				VTO					}	•	
L2380					XIU	ENERGY,	, INC					5595.5
					10	Surface	Location	,				
UL or lot no.	Section	Township	Range	Lot Idn	ļ.	from the	North/South line	Feet from		East/We:		County
L L	25	29-N	11-W	İ		1703'	SOUTH	889	'	WES	ST	SAN JUAN
	- -		11 Bo				f Different From	·				
UL or lot no.	Section	Township	Range	Lot Idn	Peet	from the	North/South line	Feet from	n the	East/We	st line	County
	<u> </u>	<u> </u>		<u> </u>	<u> </u>		<u> </u>	<u>L</u>		<u> </u>		<u> </u>
Dedicated Acre		Joint of	Infill C	Consolidation	Code	Order No) .		•			
nmas	Jun 4											
40						L						
No allowable w division.	ill be ossi	igned to this	s completio	on untit all	intere:	st have be	en consolidated or	a non-sta	indard	unit has	peen at	oproved by the
arvision.												
16				1		T			17 AB	יחדאמים	משיט פ	TIFICATION
						1						
	1											on contained herein is ny knowledge and
	1											rither owns a working
	i							11				st in the land
	ı					}		11	_			location or has a tion pursuant to a
								COR	tract wi	h an owner	of such a	mineral or working
						ļ						agreement or a entered by the
								11	iston.	posting oran	r marecojore	s enteres by the
	1									ι		
						İ		110	Ìρα	\ \ .	110	1 50112
								•	Signatu	re Le	76	10 5-1-12 Date
						1				1	1631	۱۵ - ۱
_								-	Printed	TIM	$-\Omega \eta$	1663
FD 3 1/4" XX BRASS CAP XX LS 9871 H	1							- 11				
FRASS CAP XX BRASS CAP XX LS 9671 XX				1				lko	n/in	المذياب	De 2 9	Dxtoenerg.
				0.5				'	E-mail	Address		/ A ~
/ 8/	7			Z 5			**************************************					ره ۱۱۱
. ≥	1	/		ł		ļ			18 SU	RVEYO	R CEF	RTIFICATION
W.10.0N		ENERGY,				j		- 11				ation shown on this plat
Ż		IVAN A #						104	as plotte	i from field	notes of a	ctual surveys made by
		ACE LOCATI 16,69450°N-N								er my super t to the best		i that the same is true
889'	₋ െ LONG	. 107.94902°V	V - NAD 83					"		- 20 220 0621	-)y vei	···
Ê		6°41'40.180'N						- 11	LC.	28 70	1120 4	
2 /	LUNG	, 107°56'54 24	W - NAD	41		 		-	Date of	Survey	The same	out Su veyor.
2606	7							71	Signatur	e and Seal	M Fotos	lone Kenryeyor.
									13		大气	X = 1
NO.13'42"E										A ' F '	3466	131/
, to	1703								16	1	المحمد	13
5	-]]			٧	1.50
Z									3,		~	
				İ						A Para	UNIVE: 1	#/
	l .	1'E 39.70 CH	• •				5 Chains (R)		Certificat	E MA	1 (2/18)	66
	589	59'11"E 2627	7.76'(M)	FD 5/8° REBAR	S	89°54'50"E	2595.92'(M)			· manage	······································	-00
FD (RLM 3 1/4" BRASS CAP 1999							FO BLM BRASS C	3 1/4° AP 1999				

0

XTO ENERGY INC.

Sullivan A #1F APD Data March 29, 2012

Location: 1703' FSL x 889' FWL Sec 25, T29N, R11W County: San Juan State: New Mexico

GREATEST PROJECTED TD: 6450' OBJECTIVE: Basin Dakota, Armenta Gallup,

Chacra

APPROX GR ELEV: <u>5595'</u> Est KB ELEV: <u>5607' (12' AGL)</u>

1. MUD PROGRAM:

INTERVAL	0' to 360'	360' to 2500'	2500' to 6450'
HOLE SIZE	12.25"	7.875"	7.875"
MUD TYPE	FW/Spud Mud	FW/Polymer	LSND / Gel Chemical
WEIGHT	8.6-9.0	8.4-8.8	8.6- 9.20
VISCOSITY	28-32	28-32	45-60
WATER LOSS	NC	NC	8-10

Remarks: Use fibrous materials as needed to control seepage and lost circulation. Pump high viscosity sweeps as needed for hole cleaning. Raise viscosity at TD for logging. Reduce viscosity after logging for cementing purposes.

2. CASING PROGRAM:

Surface Casing: 8.625" casing to be set at ± 360 ' 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	SF Burst	SF Ten
0'-360'	360'	24.0#	J-55	ST&C	1370	2950	244	8.097	7.972	7.950	17.13	28.24

Production Casing: 5.5" casing to be set at TD (±6450') in 7.875" hole filled with 9.20 ppg mud.

					Coll	Burst						
					Rating	Rating	Jt Str	ID	Drift	SF	SF	SF
Interval	Length	Wt	Gr	Cplg	(psi)	(psi)	(M-lbs)	(in)	(in)	Coll	Burst	Ten
0'-6450	6450'	15.5#	J-55	ST&C	4040	4810	202	4.950	4.825	1.31	1.56	2.02

Remarks: All Casing strings will be centralized in accordance with Onshore Order #2 and NTL FRA-90-1.

3. WELLHEAD:

- A. Casing Head: Larkin Fig 92 (or equivalent), 9" nominal, 2,000 psig WP (4,000 psig test) with 8-5/8" 8rnd thread on bottom and 11-3/4" 8rnd thread on top.
- B. Tubing Head: Larkin Fig 612 (or equivalent), 6.456" nominal, 2,000 psig WP (4,000 psig test), 5-1/2" 8rnd female thread on bottom (or slip-on, weld-on), 8-5/8" 8rnd thread on top.
- 4. <u>CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both casing strings):</u>

A. Surface:

8.625", 24.0#, J-55, ST&C casing to be set at \pm 360' in 12-1/4" hole.

214 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 297 ft³, 100% excess of calculated annular volume to 360'.

B. Production: 5.5", 15.5#, J-55 (or K-55), ST&C casing to be set at ± 6450 ' in 7.875" hole. DV Tool set $@\pm 3775$ '

1st Stage

LEAD:

±246 sx of Premium Lite HS (Type III/Poz/Gel) or equivalent, with dispersant, fluid loss, accelerator, & LCM mixed at 12.5 ppg, 2.01 ft³/sk, 10.55 gal wtr/sx.

TAIL:

100 sx Type III or equivalent cement with bonding additive, LCM, dispersant, & fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx.

2nd Stage

LEAD:

 ± 300 sx of Type III or equivalent cement with 8% gel & LCM mixed at 11.9 ppg, 2.54 ft³/sk, 15.00 gal wtr/sx.

TAIL:

100 sx Type III neat mixed at 14.5 ppg, 1.39 cuft/sx, 6.3 gal/sx.

Total estimated slurry volume for the 5-1/2" production casing is 1550 ft³.

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.

5. LOGGING PROGRAM:

- A. Mud Logger: None.
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (6450') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (6450') to the bottom of the surface casing.

6. <u>FORMATION TOPS:</u>

Est. KB Elevation: 5607'

FORMATION	Sub-Sea	MD	FORMATION	TV Sub-Sea	MD
Ojo Alamo SS	5023	585	Gallup	273	5335
Kirtland Shale	4895	713	Greenhorn	-493	6101
Farmington SS			Graneros	-560	6168
Fruitland Formation	4318	1290	Dakota 1*	-597	6205
Lower Fruitland Coal	3856	1752	Dakota 2*	-617	6225
Pictured Cliffs SS	3833	1775	Dakota 3*	-683	6291
Lewis Shale	3621	1987	Dakota 4*	-745	6353
Chacra SS	2843	2765	Dakota 5*	-764	6372
Cliffhouse SS*	2172	3436	Dakota 6*	-790	6398
Menefee**	2137	3471	Burro Canyon	-817	6425
Point Lookout SS*	1599	4009	Morrison*	-839	6447
Mancos Shale	1133	4475	TD	-842	6450

^{*} Primary Objective

7. <u>COMPANY PERSONNEL:</u>

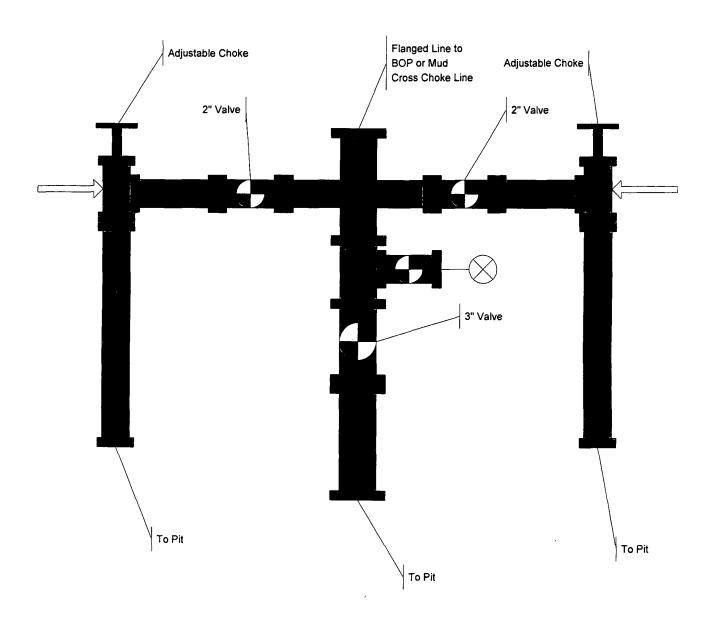
Name	Title	Office Phone	Home Phone
Justin Niederhofer	Drilling Engineer	303-397-3719	505-320-0158
Bobby Jackson	Drilling Superintendent	303-397-3720	505-486-4706
Reed Meek	Project Geologist	817-885-2800	

JDN 3/29/12

^{**} Secondary Objective

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

	XTO Energy	
3M Choke		
Manifold		



	XTO	Energ	y	
3M BOP Stack		1		

