Form 3160-3 (April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB NO. 1004-0137 Expires March 31, 2007

	APPLICATION	ON FOR PER	MIT TO DRIL	L OR R	REENTER	5.	Lease Serial No	
a. Type of Work	x DR	HLL.	REENT	TER	2005 NOV 22	P/ 6.	1	e or Tribe Name
o. Type of Well	Oil Well	Gas Well	Other	☐ Sin	ngle Zone 🔣 Multiple Zone	= 1 V i i i i i i	N/A Unit or CA Agr	eement Name and No.
Name of Operato	\				070 FARM		N/A Lease Name and	
KIO Energy In					OTO LARM	1.85		
. Address				[3b. Phone No. (include area coo	de) 9.	RP Hargray API Well No.	E V #172
	ton Ave., Bld				505-324-1090		0-045.	-33448
A. C	(Report location cle	•	•	-	rements)*	10.	Field and Pool,	
At surface 10	55' FNL x 730	FWL in Se	c 16, T27N,	R10W		11.	Sec., T., R., M.	ota/Blanco Mesavero , or Blk. and Survey or Area
At proposed prod.	zone	AME						5, 127N, R10W
l. Distance in miles a	and direction from n	earest town or p	ost office*			12.	County or Paris	
	Approx 10.2 m	miles South	east of Bloo	mfield	i, NM post office	Sa	n Juan	NM
5. Distance from pro	•			16.N	No. of Acres in lease	17. Spacin	ng Unit dedicate	d to this well
location to neare: property or lease		730	•			Ì		Bms 16 0 N W/4
	drg. unit line, if any)				2523.52	D	K 320 W/2	- MV 320 W /2
8. Distance from pro			·····	19.1	Proposed Depth	20. BLM	BIA Bond No.	on file
to nearest well, d	rilling, completed,							
applied for, of th	us iGdSG, It.	780'			6800'		UIB-	000138
l. Elevations (Show	whether DF, KDB,	RT, GL, etc.		22.	Approximate date work will star	t*	23. Estimated	duration
6014' Gro	und Elevation	, , 1			winter 2005			2 weeks
A Drilling Plan A Surface Use P	d by a registered sur lan (if the location is led with the appropri	on National Fo	ice Office).	Name (4. Bond to cover the operating term 20 above). 5. Operator certification. 6. Such other site specific in authorized officer. Printed/Typed) Vaughan		and/or plans as	
Regulatory	Compliance I	lech						
Approved by (Signau	Man	Co Cu	?	Name (Printed/Typed)		D	1/12/06
Title /	At	=u		Office	FEO		•	
conduct operations the Conditions of approv	nereon. al. if anv. are attach	ed			quitable title to those rights in t			COST 18 19 30 3
Fitle 18 U.S.C. Section of the states any false, fictit	on 1001 and Title 4: ious or fraudulent st	3 U.S.C. Section atements or repr	1212, make it a cr resentations as to a	ime for a ny matter	ny person knowlingly and willfu within its jurisdiction.	illy to mak	e to any departn	nem or agency of the United
(Instructions on pag	re 2)							OL DIST. 3
Į.	VMOCD	L	DRILLIN	IG OPER	ATION AUTHORIZED ARE			11.5.342
			C:10 100	T TO CO	MPLIANCE WITH ATTACHED UIREMENTS".		procedural sevi	ubject to technical and ew pursuant to 43 CFR 316 suant to 43 CFR 3165 4

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DISTRICT 1 1625 M. French Dr., Hobbs, N.M. 88240

DISTRICT 6 1301 W. Grand Ave., Artesia, N.M. 88210

DISTRICT III 1000 Rio Brozos Rd., Aztec, N.M. 87410 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 June 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT N
1220 South St. Francis Dr., Santo Fe. NM 87505

AMENDED REPORT

	WELL	LOCATIO	N AND AC	REAGE DEDI	CATION PL	TA	
API Number		Pool Gode		0	³ Pool Name	•	
30-045-	33446	47733	29	こりのいと	$J = D \mathcal{M}$	M(02	
1 Property Code 22632			Property R P HARGE			- 4	1G
OGRID No.			*Operator				Elevation
167060			XTO ENERG				5014
			10 Surface	Location			
Ut or lot no. Secti	1 ' 1	* 1	Feet from the 1055	North/South line NORTH	Feet from the 730	East/West line WEST	County SAN JUAN
To the state of th	11 [lottom Hole	Location	lf Different Fr	om Surface		, ,
UR or lot no. Secti			Feet from the	North/South fine	Feet from the	East/West line	County
17 Dedicated Acres	13 Joir	t or Infill	** Consolidation	Code	th Order No.		1
100141	(00)						1
	WILL BE ASSI	SNED TO TH	IIS COMPLET	ION UNTIL ALL	INTERESTS I	HAVE BEEN C	ONSOLIDATED
16				IEEN APPROVE			
259	\$ 89-49-30 2640 3' (M		1/2" B.C. U.S.G L.O		I hereby certi	OPERATOR CE By that the information applets to the best of n	contained herein is
	FD. 2 1/2 B.C 1913 U.S.G.L.O					Smort to Tite Own 70 H	· .`
730'			*				2005 DEC F/ 070 F/
E W	LAT. 36'34'46 LONG. 107'54	.5"N (NAD 2 24.5" W (NA	(7) D 27)		hee	en h Im	RED ARY
2540.17				The state of the s	Printed Nor	I Sma	沙 兰 马
(n)		1.6		The second secon	legul	atury com	Diane Tech
FD. 2 1/2" B.C. 1913 U.S.G.L.O.		16 			Date 18 St	URVEYOR CER	TIFICATION
			Y	The state of the s	I berety certify was plotted from	r that the well location about find notes of actual to	own on this plot everys made by ree
					or under my as correct to the t	specialist, and that the street of the ball	ome is true and
garanessas and an analysis of the same of		and the state of t			Done or fun	STATE OF THE PARTY	%
					Signature on	(14831)	精
						10/E-08	
						1463	

form C-102 DISTRICT State of New Mexico Energy, Minerals & Natural Resources Department NIV Sabriit to Appropriate District Office 1625 N. French Dr., Hobbs, N.M. 8B246 DISTRICT # 1301 W. Grand Ave., Artesio, N.M. 88210 OIL CONSERVATION DIVISION State Lease - 4 Copies 1220 South St. Francis Dr. Sonta Fe, NM 87505 RECEIVED Fee Lease - 3 Copies DISTRICT III. 1000 Rio Brozos Rd., Aztec, N.M. 87410 070 FARMINGTON 154 CL AMENDED REPORT DISTRICT W 1220 South St. Francis Dr., Sunta fe, NM 87505 WELL LOCATION AND ACREAGE DEDICATION PLAT Basin Dabata Property Code ³Property Name 22632 R P HARGRAVE K 1 G Operator Name Elevation XTO ENERGY INC. 6014 167067 10 Surface Location Ronge feet from the North/South line LIL or lot no. Section Township Feet from the East/West line 27--N 1055 NORTH SAN JUAN 16 10-W Bottom Hole Location II Different From Surface Feet from the | Morth/South line Feet from the Lol kin Cost/West line County UL or lot no. Township Suction "Joint or Infill ** Consolidation Code Dedicated Acres 38000 NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION 5 89-49-39 E 2640.3' (M) FD. 2 1/2" B.C. OPERATOR CERTIFICATION 1913 U.S.G.L.O. I hereby certify that the information contained here €0. 2 1/2° B.C 1913 0.5.03.04 730 LAT. 36'34'46.5"M (NAD 27) LONG. 107'54'24.5" W (NAD 27) 0--02y Compliance Jech S FD. 2 1/2" 0.9 1913 U.S.G.L. SURVEYOR CERTIFICATION 4

Submit 3 Copies To Appropriate District Office	State of New Me Energy, Minerals and Natur	ral Resources		Form C-103 May 27, 2004
District I 1625 N. French Dr., Hobbs, NM 87240 District II 1301 W. Grand Ave., Artesia, NM 88210	OIL CONSERVATION			-045-33448
District III	1220 South St. Fra	uicis Di.	5. Indicate Type of STATE	Lease FEE
1000 Rio Brazos Rd., Aztec, NM 87410 District IV	Santa Fe, NM 8	-	6. State Oil & Gas I	
1220 S. St. Francis Dr., Santa Fe, NM 87505			SF-077382	Lease No.
(DO NOT USE THIS FORM FOR PROPODIFFERENT RESERVOIR. USE "APPLIC		OR PLUG BACK TO A	7. Lease Name or U RP Hargrave K	Init Agreement Name:
PROPOSALS.) 1. Type of Well:		Ť	8. Well Number	
Oil Well Gas Well 🕱	Other		#10	3
2. Name of Operator			9. OGRID Number	_
3. Address of Operator			1670 10. Pool name or W	
2700 Farmington Ave., Bldg	. K. Ste 1 Farmington, N	4 87401	Basin Dakota/Bla	3
4. Well Location Unit Letter D Section 16		Range 10W	730 feet from	the West line County SAN JUAN
	11. Elevation (Show whether	DR, RKB, RT, GR, etc ind Elevation	.)	
Pit or Below-grade Tank Application X	or Closure	ARI EHEVALLOII		¥2 ae'
Pit type DRILL Depth to Groundwater		h water well >1000 Dist	ance from nearest surfac	e water
Pit Liner Thickness: 12 mil	Below-Grade Tank: Volume			
NOTICE OF INTE	PLUG AND ABANDON CHANGE PLANS MULTIPLE COMPLETION	REMEDIAL WORK COMMENCE DRILLIN CASING TEST AND CEMENT JOB	BEQUENT REP	ORT OF: ALTERING CASING PLUG AND ABANDONMENT
OTHER: PIT	X	OTHER:	a diameter	
 Describe proposed or completed of starting any proposed work). or recompletion. XTO Energy intends to ins 		e Completions: Attach		
I hereby certify that the information at grade tank has been/will be constructed for				
SIGNATURE TYPO VO	/ 1	LF Regulatory Co		
Type or print name Kyla Vaughan	C E-r	nail address: kyl	a_vanghan@xtoene: Telepl	ngy.com none No. 505-564-6726
For State Use Only	_//	it ul a gas dispect	DK DIS) ALI	JAN 1 7 2006
APPROVED BY	112	TLE		ATE
Conditions of Approval, if any:	/ /			

XTO ENERGY INC. LAT. = 36'34'46.5 R P HARGRAVE K No.1G, 1055 FNL 730 FWL LONG. = $107^{5}4'24.5$ SECTION 16, T27N, R10W, N.M.P.M., SAN JUAN COUNTY, N. M. NAD 27 DATE: MARCH 3, 2005 GROUND ELEVATION: 6014', CONSTRUCTION ZONE c (6) (5) A F 5.0 F 3.0 F 3.7 (65' X 15' PIT 95 95, 4 LAYDOWN N 35'52' W C 0.5 Wellhead to Back Wellhead to Front 1 REAR F 1.8 120' 120' T c o.o NEW ACCESS 780 Wellhead to side Ò | B, 3 c' ② C 7.1 OC 2.5 C 4.5 C $(305' \times 340') = 2.38 \text{ ACRES}$ 205' X 240' RESERVE PIT DIKE: TO BE 8' ABOVE DEEP SIDE (OVERFLOW -- 3' WIDE AND 1' ABOVE SHALLOW SIDE). BLOW PIT: OVERFLOW PIPE HALFWAY BETWEEN TOP AND BOTTOM AND TO EXTEND OVER PLASTIC LINER AND INTO BLOW PIT. DAGGETT ENTERPRISES, INC. IS NOT LIABLE FOR UNDERGROUND UTILITIES OR PIPELINES. NEW MEXICO ONE CALL TO BE NOTIFIED 48 HOURS PRIOR TO EXCAVATION OR CONSTRUCTION. NOTE: ELEV. A-A C/L 6030 6020 6010 6000 ELEV. B-B 6030 6020 Surveying and Oil Field Services P. 0. Box 15068 • Formington, NN 87401 Phone (505) 326-1772 • Fax (505) 326-6019 NEW MEXICO L.S. No. 14831 6010 6000 ELEV. C~C' 6030 6020

NOTE: CONTRACTOR SHOULD CALL ONE--CALL FOR LOCATION OF ANY MARKED OR UNMARKED BURIED PIPELINES OR CABLES ON WELL PAD AND OR ACCESS ROAD AT LEAST TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION.

6010 6000

XTO ENERGY INC.

RP Hargrave K #1G APD Data November 21, 2005

Location: 1055' FNL x 730' FWL Sec 16, T27N, R10W County: San Juan State: New Mexico

GREATEST PROJECTED TD: 6800'

OBJECTIVE: Basin Dakota / Blanco Mesaverde

Est KB ELEV: <u>6026' (12' AGL)</u>

1. MUD PROGRAM:

APPROX GR ELEV: 6014'

INTERVAL	0' to 360'	360' to 2500'	2500' to 6800
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 \pm 360' in a 12-1/4" 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'-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 (± 6800 ') in 7-7/8" 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'-6800	6800'	15.5#	J-55	ST&C	4040	4810	202	4.950	4.825	1.24	1.48	1.92

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 ± 6800 ' in 7.875" hole

LEAD:

±706 sx of Premium Lite HS (Type III/Poz/Gel) with 2% salt, 1/4 pps cello, 0.2% dispersant, 0.5% fluid loss & 2% LCM mixed at 12.5 ppg, 2.01 ft³/sk, 10.55 gal wtr/sx.

TAIL:

150 sx Type III with 5% bonding additive, 1/4 pps cello, 2% LCM, 0.3% dispersant & 0.2% fluid loss mixed at 14.2 ppg, 1.54 cuft/sx, 8.00 gal/sx.

Total estimated slurry volume for the 5-1/2" production casing is 1649 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: The mud logger will come on at 2,900' and will remain on the hole until TD. The mud will be logged in 10' intervals.
- B. Open Hole Logs as follows: Run Array Induction/SFL/GR/SP fr/TD (6800') to the bottom of the surface csg. Run Neutron/Lithodensity/Pe/GR/Cal from TD (6800') to 3,000'.



6. FORMATION TOPS:

Est. KB Elevation: 6026'

FORMATION	Sub-Sea Elev.	WELL DEPTH	FORMATION	Sub-Sea Elev.	WELL DEPTH
Ojo Alamo SS	5213	813	Gallup Ss**	667	5,359
Kirtland Shale	5053	973	Greenhorn Ls	-134	6,160
Farmington SS			Graneros Sh	-187	6,213
Fruitland Formation	4670	1,356	1 ST Dakota Ss*	-212	6,238
Lower Fruitland Coal			2 ND Dakota Ss*	-249	6,275
Pictured Cliffs SS	4190	1,836	3 RD Dakota Ss*	-315	6,341
Lewis Shale	4039	1,987	4 TH Dakota Ss*	-363	6,389
Chacra SS	3288	2,738	5 TH Dakota Ss*	-395	6,421
Cliffhouse SS	2668	3,358	6 TH Dakota Ss*	-425	6,451
Menefee	2570	3,456	Burro Canyon Ss*	-463	6,489
Point Lookout SS	1833	4,193	Morrison Fm	-496	6,522
Mancos Shale	1516	4,510	Total Depth	-774	6,800

^{*} Primary Objective

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

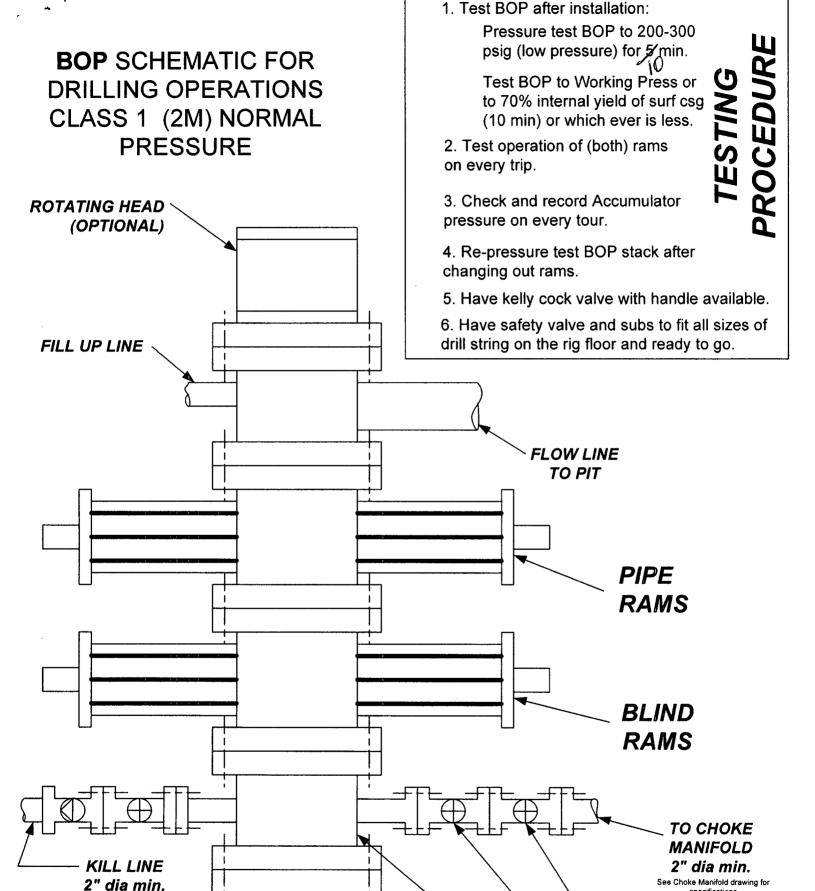
7. COMPANY PERSONNEL:

Name	Title	Office Phone	Home Phone
Jeff Patton	Drilling Engineer	505-324-1090	505-632-7882
John Egelston	Drilling Engineer	505-564-6734	505-330-6902
Dennis Elrod	Drilling foreman	505-486-6460	505-326-2024
Red Meek	Project Geologist	817-885-2800	817-427-2475
Barry Voigt	Reservoir Engineer	817-885-2462	817-540-2092

JWP 11/21/05



^{**} Secondary Objective



MUD CROSS

EXHIBIT F

Remove check or ball

from check valve and

press test to same press

as BOP's. **

specifications

HCR VALVE (OPTIONAL)

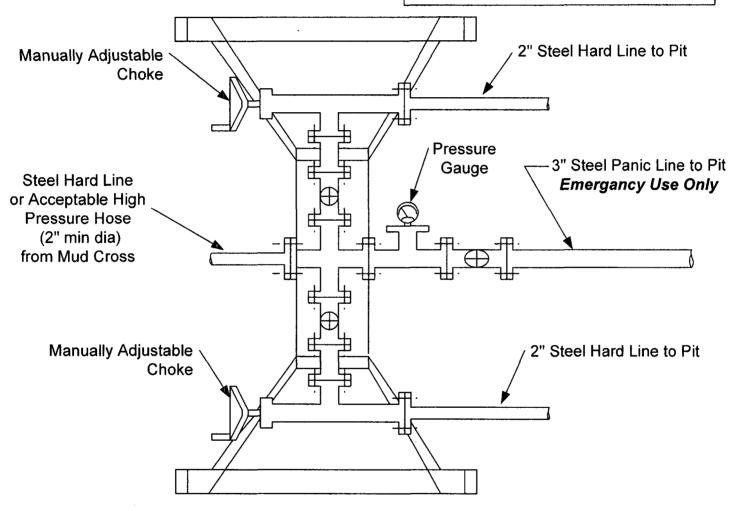
2" (MIN) FULL OPENING

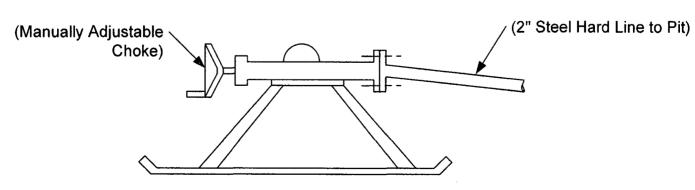
VALVE

CHOKE MANIFOLD SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

- 1. Stake all lines from choke manifold to pit.
- 2. Pressure test choke monifold after installation.
- 3. Pressure test manifold at the same time with the BOP Stack. Test manifold to the same test pressures.

PROCEDURE





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UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROV	/ED
OMB NO. 1004-	0137
Expires March 31	200

5. Lease Serial No.

MSF077382

Do not use this form for particular abandoned well. Use Form				6. If Indian, Alk	ottee or Tribe Name
SUBMIT IN TRIPLICATE -	Other instructions	s on reverse side		7. If Unit or CA	/Agreement, Name and/or No
1. Type of Well Oil Well X Gas Well Other 2. Name of Operator XTO Energy Inc. 3a. Address 2700 Farmington Ave., Bldg. K. Ste 4. Location of Well (Footage, Sec., T., R., M., or Survey Inc.)	Description)	3b. Phone No. (<i>include area co</i> 505-324-		BASIN DAKO	3448 ool, or Exploratory Area
1055' FNL & 730' FWL SEC 16D-T27N	-R10W			11. County or SAN JUAN	
12. CHECK APPROPRIATE	BOX(ES) TO INE	DICATE NATURE OF NOT	TICE, REPO	ORT, OR OTH	IER DATA
TYPE OF SUBMISSION		TYPE C	OF ACTION		
X Notice of Intent Subsequent Report Final Abandonment Notice	Acidize Alter Casing Casing Repair Change Plans Convert to Injecti	Deepen Fracture Treat New Construction Plug and Abandon Plug Back	Production Reclamation Recomplete Temporarily Water Disp	y Abandon	Water Shut-Off Well Integrity X Other CHANGE POOL ON APD
Attach the Bond under which the work will be perfollowing completion of the involved operations. It testing has been completed. Final Abandonment I determined that the final site is ready for final inspective to the submitted as Wildcat Basin Mancos (97232). A new Clo2 information in the APD is correct	If the operation results in Notices shall be filed or oction.) Blanco Mesaver Mancos. Please reflecting the	in a multiple completion or reconnly after all requirements, including the as one of the pool change the APD to ref	npletion in a n ng reclamation s on our lect Basi	ew interval, a Fon, have been con APD when it n Dakota (7	rm 3160-4 shall be filed once on the should have (1599) & Wildcat
		JAN 2008 RECEIVED OIL CONS. DAY DIST. 8	ECC 25.24.25.26		2005 DEC 23 PM 12 09 RECEIVED OTO FARMINICTON
14. I hereby certify that the foregoing is true and correct Name (Printed Typed)		Title			
HOLIK C. PERKINS		REGULATOR		ANCE TECH	
Joseph C. Jenne	0.004.05.500.50	Date 12/21/2005			
Approved by Conditions of approval, if any, are attached. Approval of certify that the applicant holds legal or equitable title to which would entitle the applicant to conduct operations the second conduct operations to conduct operations.	of this notice does not very those rights in the sub	Title Title A f warrant or Office plect lease	E USE M FCO	Dal	te 1/12/06