

District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505

RECEIVED
State of New Mexico
Energy, Minerals & Natural Resources
Oil Conservation Division
1220 S. St. Francis Dr.
Santa Fe, NM 87505
MAR 13 2009
HOBBS

Form C-101
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

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

¹ Operator Name and Address XT0 Energy, Inc. 200 N. Loraine, Ste. 800 Midland, TX 79701		² OGRID Number 005380
⁴ Property Code 300753		³ API Number 30- 025-06149
⁵ Property Name Skelly F State		⁶ Well No. 1
⁹ Proposed Pool 1 Eumont; Yates-7 Rvrs-Queen <GAS>		¹⁰ Proposed Pool 2

Surface Location

UL or lot no P	Section 17	Township 20S	Range 37E	Lot. Idn	Feet from the 330'	North/South Line South	Feet from the 330'	East/West line East	County Lea
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Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
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Additional Well Location

¹¹ Work Type Code R	¹² Well Type Code OG	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 3525' G.L.
¹⁶ Multiple No	¹⁷ Proposed Depth 5285' TD	¹⁸ Formation Yates-7Rvrs-Queen	¹⁹ Contractor Gray Wireline	²⁰ Spud Date 7-19-36 Orig. Date
Depth to ground water No record		Distance from nearest fresh water well +1000'		Distance from nearest surface water +1000'
Pit. Liner Synthetic ☐ _____ mls thick Clay ☐ Pit Volume _____ bbls Drilling Method: Closed-Loop System ☐ Fresh Water ☐ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
15 1/2"	13 3/8"	45#	236'	250	Surface
11"	9 5/8"	36#	1485'	400	Surface
8 1/4"	7"	24#	3715'	400	Surface
6 1/4"	5" Liner	15#	5285'	200	Liner Top

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any Use additional sheets if necessary.

Well is currently TA'd.
Production zone prior to T/A Status: Grayburg-San Andres
Proposed zone: Yates-7 Rvrs-Queen (Oil)
PB Depth +/- 3525'
Formation @ TD: Paddock Formation @ PB: Grayburg-San Andres
PROPOSED PROGRAM ATTACHED

Permit Expires 2 Years From Approval
Date Unless Drilling Underway
Plugback

²³ 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 ☒ , or an (attached) alternative OCD approved plan ☐ Signature: <i>Kristy Ward</i> Printed name: Kristy Ward Title: Regulatory Analyst E-mail Address: kristy.ward@xtoenergy.com Date: 03-11-09		OIL CONSERVATION DIVISION Approved by: <i>[Signature]</i> Title: PETROLEUM ENGINEER Approval Date: APR 02 2009 Expiration Date: Conditions of Approval: Attached ☐	
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State of New Mexico
Energy, Minerals & Natural Resources

Form C-102
Revised October 12, 2005

RECEIVED

MAR 13 2009

HOBBSOCD

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

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

Per KW

¹ API Number 30-025-06149	² Pool Code 22880 76480	³ Pool Name Eumont; Yates-7 Rvrs-Queen (oil) <GAS>
⁴ Property Code 300753	⁵ Property Name Skelly F State	⁶ Well Number 1
⁷ OGRID No. 005380	⁸ Operator Name XTO Energy, Inc.	⁹ Elevation 3525' G.L.

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	17	20S	37E		330'	South	330'	East	Lea

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South line	Feet from the	East/West line	County

¹² Dedicated Acres 48 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No
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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

¹⁶				¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division Signature <u>Kristy Ward</u> Date <u>03/11/09</u> Printed Name <u>Kristy Ward</u> Regulatory Analyst
				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief Date of Survey _____ Signature and Seal of Professional Surveyer _____ Certificate Number _____

Per KW



Skelly F State # 1
Reactivation/Stimulation Procedure
LEA COUNTY, NEW MEXICO
February 17, 2009

ELEVATION:	GL – 3435’	TD – 5285’
	KB – 3535’	PBTD – 3490’

WELL DATA:

Current Status: TA’d. No equipment in the hole.
Last Production 2003: 3 bopd / 6 bwpd / 3 mcfpd

Surface Casing: 13-3/8” 45 ppf. Set at 236’. Cemented with 250 sx. TOC at surface.

Int. Casing: 9-5/8” 36 ppf. Set at 1485’. Cemented with 400 sx. TOC at surface.

Prod. Casing: 7” 24 ppf. Set at 3715’. Cemented with 400 sx. TOC at surface.

Liner: 5” 15 ppf FL-45. TOL at 3556’. Set at 5285’. Cemented with 200 sx

COMPLETION:

	CIBP @ 3525’		
Perfs: San Andres	3752 – 55’	(3’, 1 spf, 4 holes)	1/80
	3762 – 65’	(3’, 1 spf, 4 holes)	1/80
	3785 – 90’	(5’, 1 spf, 6 holes)	1/80
	CIBP @ 4000’		
Paddock	5166’	(1’, 1 spf, 1 hole)	5/78
	5172’	(1’, 1 spf, 1 hole)	5/78
	5187’	(1’, 1 spf, 1 hole)	5/78
	5195’	(1’, 1 spf, 1 hole)	5/78
	5198’	(1’, 1 spf, 1 hole)	5/78
	5200’	(1’, 1 spf, 1 hole)	5/78
	5207’	(1’, 1 spf, 1 hole)	5/78
	Total:	(18’ net, 21 holes)	

OBJECTIVE: Reactivate Well, OAP, Frac Stimulation

RECOMMENDED PROCEDURE

This well is a STATE well

1. MIRU PU. Rack 3600’ of 2-7/8” N-80 workstring. ND WH. NU BOP.



Skelly F State # 1
Reactivation/Stimulation Procedure
LEA COUNTY, NEW MEXICO
February 17, 2009

2. PU and RIH with 6-1/8" bit, 7" scraper, on 2-7/8" workstring and tag cement on top of CIBP at 3490'.
3. Pressure test casing to 500 psig.
4. RU Wireline company. RIH with 3-1/8" csg gun with premium charges and gamma Ray tool. Correlate depth with the *Acoustic Cement Bond Log* ran by Dresser Atlas. Perforate the following intervals with 1 JSPF:

Seven Rivers:	3091 – 3100'	9', 10 holes
	3058 – 65'	7', 8 holes
	2985 – 3002'	17', 18 holes
	2951 – 52'	2', 3 holes
	2914 – 15'	2', 3 holes
	2849 – 50'	2', 3 holes
	2819'	1', 2 holes
Yates:	2696 – 2711'	15', 16 holes
	2686 – 90'	4', 5 holes
	[Total: 59', 68 holes]	
5. POOH. RDMO.
6. MI and rack 3500' of 3-1/2" 9.3 ppf workstring. PU and RIH with 5-1/2" treating packer on 3-1/2" WS. Set packer at 2600'.
7. MIRU Frac company. Test lines to 5000 psig.
8. Load backside with 2% KCL and pressure to 500 psig. Monitor backside and breakdown Yates/Seven Rivers fr 2686' – 3100' with **4000 gals 15% HCl** via 3-1/2" WS at 4-6 BPM. Space **110 ballsealers** half-way through job. Surge balls off. Frac Yates/Seven Rivers (2686' – 3100') via 3-1/2" WS with 35,000 gals 60Q CO2 foam and 25lb linear gel and 62,000 lbs 20/40 white sand and 20,000 lbs resin coated sand. Flush 1 bbl short of top perf. Pump job at 35 BPM with a max pressure of 4500 psig.
9. RDMO frac/pumping company.
10. Flow well back to tank with steel lines until well dies.
11. Swab to determine productivity. Monitor fluid level and oil cut.
12. Release packer. Circulate clean. POOH and LD 3-1/2" WS and packer.



Skelly F State # 1
Reactivation/Stimulation Procedure
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13. RIH with SN and 2-3/8", 4.7 ppf, J-55 tubing. Set SN at 2680'. ND BOP. NU WH.
Swab and/or flow test well.
14. RDMO PU. RWTP.

SKELLY 'F' STATE #1

WELLBORE DIAGRAM

"PROPOSED"



GL 3525'
DF 3535'

DATA

LOCATION: 330' FSL & 330' FEL, SEC. 17-P, T-20-S, R-37E

COUNTY/STATE: LEA COUNTY, NM

FIELD: EUMONT

FORMATION: GRAYBURG/SAN ANDRES

INITIAL IP: F 640 BO IN 4 HRS THRU 2 1/2" OPEN TBG (9/1/56).

API #: 30-025-06149

CURRENT STATUS: TA'D

HISTORY

COMPLETION DATA:

07/19/36: **SPUD** 15 1/2" HOLE. RAN 13 3/8" 45# CSG & SET @ 236'. CMT W/250 SX. CIRC CMT. CONT DRLG. DRL 11" HOLE. RAN 9 5/8" 36# CSG SET @ 1485'. CMT W/400 SX. CMT CIRC. CONT DRLG. DRL 8 1/4" HOLE. RAN 7" 24# CSG SET @ 3715'. CMT W/400 SX. CMT CIRC. DRLD TO 3880'. PERFD @ 3662-3680' (EUNICE MONUMENT GRAYBURG-SAN ANDRES).

WORKOVER DATA:

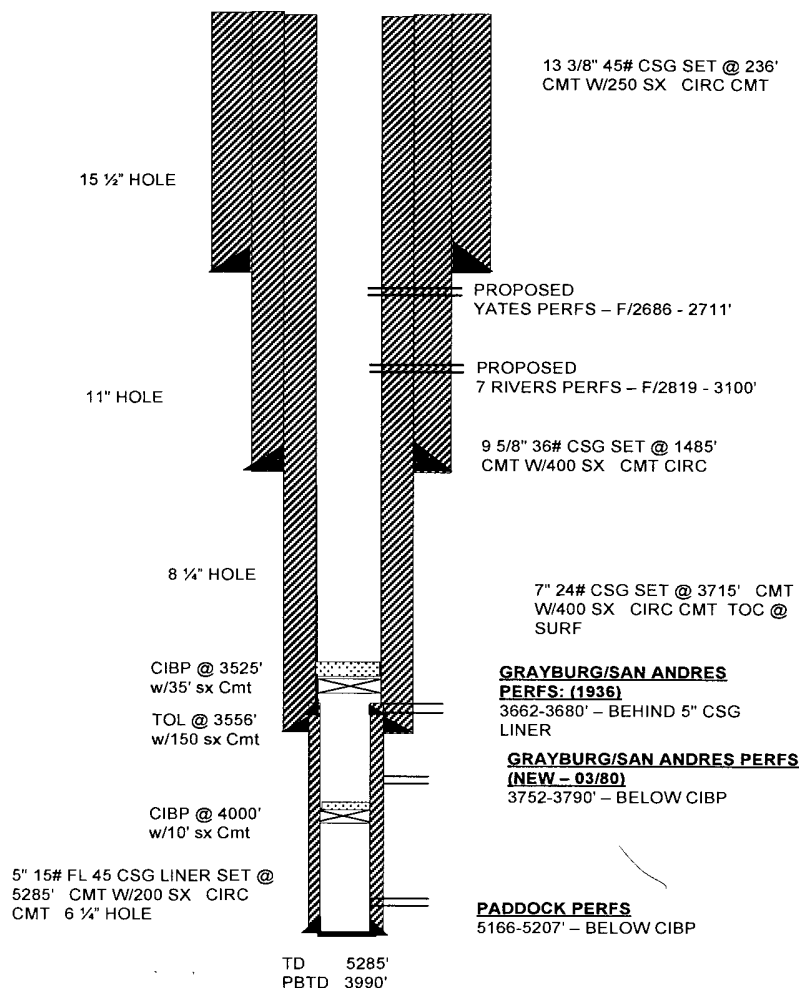
04/25/78: **PROCEDURE RUN IN ORDER TO RELIEVE PRESS ON 7" & 9 5/8" ANNULUS & CIRC CMT.** PULLED RODS, PMP & TBG. RAN & SET RBP @ 3628'. RAN CMT BOND LOG & FOUND TOC @ 2239'. RAN NOISE LOG WHICH SHOWED FLUID MOVEMENT FR/1825-1650'. RAN MODEL AD-1 PKR & SET @ 2012'. PERF W/THRU-TBG GUN - 2 HOLES @ 2200'. CIRC 218 BFW W/FULL RETURNS. CMT W/920 SX CMT. DISPL CMT TO 2122' & CIRC 90 SX.

04/28/78: **DEEPEN TO THE MONUMENT PADDOCK - TD 5285'.** RAN 6 1/4" BIT & DRLD CMT FR/2103-2216'. RETRIEVED BP. TAGGED FILL @ 3743' & CO TO 3860'. DRL NEW HOLE TO 5215'.

05/09/78: RAN COMP NEUTRON DENSITY LOG (5285-3500') & DUAL INDUCTION FOCUS LOG 5285-3500'. RAN 41 JTS (1731') 5" OD 14.87#K-55 R-3 AB FL42 'A' LINER HANGER. 5" SET @ 5285'. TOL @ 3556'. CMT 5" LINER W/300 SX CL C.

05/16/78: RAN 6 1/8" & TAG TOL @ 3556'. RAN 4 1/8" BIT & TAGGED PLUG @ 5235'. SPOT 200 GALS 15% ACID DWN 2 3/8" TBG. RAN GR CORREL COLLAR LOG & PERF 5" LINER W/.34" HOLES @ 5166', 72, 87, 95, 98, 5200, & 07' (7 HOLES).

05/18/78: TRTD PERFS @ 5166-5207' W/500 GALS 15% NE ACID & 13 BS. PROD ON 5/22/78, 0 BO & 50 BW.



SKELLY 'F' STATE #1

WELLBORE DIAGRAM



05/23/78: PULLED TBG & PKR. RAN 167 JTS 2 3/8" TBG SET @ 5040'.

RAN PMP & SET @ 5204'. INSTALL PMPG UNIT. WELL IS
PMPG 10 X 120 SPM & MAKING 0 BO & 229 BW (9/26/78).

03/16/80: **PLUGGED BACK TO GRAYBURG-SAN ANDRES.** SET CIBP @

4000'. DUMP 1 SX CMT @ 3990'. PERF 5" W/1 SPF @ 3752-
3790'. ACDZ W/2500 GALS 15% NE ACID.

03/25/04: SET CIBP @ 3525' & DUMP 35' CMT ON TOP. CIRC
WELLBORE W/PKR FLUID & TST TO 500# FOR 30 MINS.
WELL IS TA'D.

SKELLY 'F' STATE #1 WELLBORE DIAGRAM "CURRENT"



GL: 3525'
DF: 3535'

DATA

LOCATION: 330' FSL & 330' FEL, SEC. 17-P, T-20-S, R-37E
COUNTY/STATE: LEA COUNTY, NM
FIELD: EUMONT
FORMATION: GRAYBURG/SAN ANDRES
INITIAL IP: F 640 BO IN 4 HRS THRU 2 1/2" OPEN TBG (9/1/56).
API #: 30-025-06149
CURRENT STATUS: TA'D

HISTORY

COMPLETION DATA:

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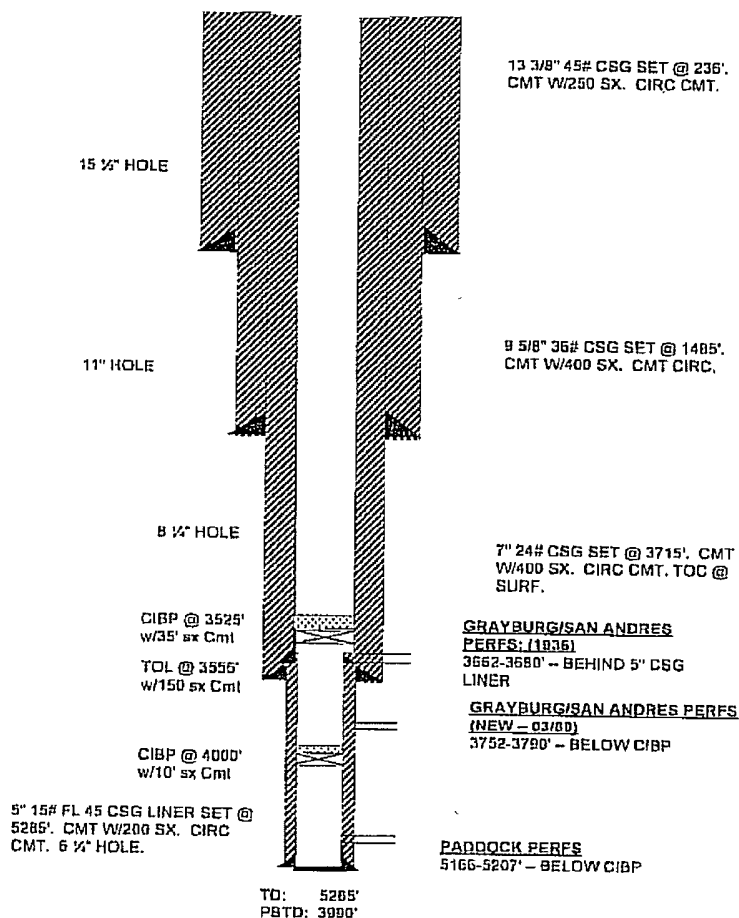
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03/25/04: SET CIBP @ 3525' & DUMP 35' CMT ON TOP. CIRC
WELLBORE W/PKR FLUID & TST TO 500# FOR 30 MINS.
WELL IS TA'D.