

Submit 3 Copies To Appropriate District
Office
District I
1625 N French Dr , Hobbs, NM 87240
District II
1301 W. Grand Ave , Artesia, NM 88210
District III
1000 Rio Brazos Rd , Aztec, NM 87410
District IV
1220 S. St Francis Dr , Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

WELL API NO. 30-045-34467
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	7. Lease Name or Unit Agreement Name: HARE GAS COM C
2. Name of Operator XTO Energy Inc.	8. Well Number #1G
3. Address of Operator 382 CR 3100 Aztec, NM 87410	9. OGRID Number 5380
4. Well Location Unit Letter <u>C</u> : <u>665</u> feet from the <u>NORTH</u> line and <u>1980</u> feet from the <u>WEST</u> line Section <u>25</u> Township <u>29N</u> Range <u>10W</u> NMPM County <u>SAN JUAN</u>	10. Pool name or Wildcat BASIN DAKOTA/BLANCO MESAVERDE
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5525'	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/> Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____ Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

12. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	
OTHER: <u>SQUEEZE CEMENT</u> <input checked="" type="checkbox"/>		OTHER: <input type="checkbox"/>	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

XTO Energy Inc. intends to squeeze cement per the attached procedure.

RCVD APR 17 '08

OIL CONS. DIV.

DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐ , a general permit ☐ or an (attached) alternative OCD-approved plan ☐

SIGNATURE Lorri D. Bingham TITLE REGULATORY COMPLIANCE TECH DATE 4/15/08
Type or print name LORRI D. BINGHAM E-mail address: Lorri_bingham@xtoenergy.com Telephone No. 505-333-3100

For State Use Only

APPROVED BY H. Villanueva

Conditions of Approval, if any:

Deputy Oil & Gas Inspector,
District #3

TITLE B DATE APR 17 2008

**HARE GAS COM C #1G
UNIT C, SEC 25, T 29 N, R 10 W
SAN JUAN, NEW MEXICO**

DAKOTA/MANCOS/MESAVERDE

SURF CSG: 8-5/8", 24#, J-55, ST&C CSG @ 870'. CIRC CMT TO SURF.

PROD CSG: 5-1/2", 15.5#, J-55, LT&C CSG @ 6,687'. FC @ 6,642'. MARKER JT @ 6,195'-6,182' & 3,503'-3,482'. PBTD @ 7,529'. DV TL @ 4,086' (4,098' WLM). DRIFT = 4.825".
CAPACITY = 0.0238 BPF OR 0.9997 GPF
BURST = 4,810 PSI (MAX TREATING PRESS = 3,250 PSI).

CEMENT: CMT'D 1ST STAGE W/425 SX 65/35/6 POZ CMT. LST CIRC 2.5 BBLs SHORT OF LANDING PLUG.

CMT'D 2ND STG W/560 SX 65/35/6 POZ CMT. NO CMT RTNS. LOST CIRC @ START OF 2ND STG. ASSUMED PREMATURE GELLING ABOVE STG TL.

NOTE: TOC @ 3,804' BY CBL

FORMATIONS: BASIN DAKOTA (WELL # 68425, AFE #714064)
WILDCAT MANCOS (WELL # 68547, AFE #800855)
BLANCO MESAVERDE (WELL # 68426, AFE # 714065)

Completion Procedure

1. MI 2 - 400 bbl frac tanks, 1 flow back tank, and 202 jts (6,642') 2-3/8", 4.7#, J-55, EUE, 8rd tbg. Fill the frac tanks with 2% KCl water. NOTE: Have frac co. test wtr for compatibility prior to frac & add biocide. Heat wtr in the frac tanks so that wtr temperature @ frac time is +/- 80deg F. Hot oil trk must be clean to avoid contaminating the frac wtr.
2. Install 5,000 psig frac valve.
3. Pressure test the 5-1/2" csg & frac vlv to 2,000 psig for 30 minutes. Record pressure test on chart. Must have less than 10% bleed off (OCD requirement). After chart test, press tst csg & frac vlv to 3,250 psig for 5".
4. MIRU WL & mast trk.
5. Perf Dakota with a 3-1/8" select fire csg gun with 1 JSPF (Owen HSC-3125-302 or similar, 10 gm charges, 0.34" dia., 21.42" penetration, 21 holes). POH with csg gun. RDMO WLU.

Dakota Perfs

PERF	CCL	PERF	CCL	PERF	CCL	PERF	CCL	PERF	CCL	PERF	CCL
6,451'		6,433'		6,398'		6,351'		6,328'		6,260'	
6,443'		6,421'		6,396'		6,346'		6,325'			
6,440'		6,416'		6,389'		6,343'		6,322'			
6,435'		6,414'		6,387'		6,336'		6,264'			

6. MIRU Stinger isolation tool. MIRU frac and acid equip. MI Praxair CO2 transports.

7. BD Dakota perms with 2% KCl water and EIR. Acidize with 1,500 gals of 15% NEFE HCl acid (FE control, surf & CI additives) + 40 - 1.1 SG Green bioball BS at 12 BPM down 5-1/2" csg. Max TP 3,250 psig. Flush with 6,575 gals 2% KCl water (3 bbls over flush). Surge off balls. Begin CO2 cooldown.
8. Frac Dakota perms from 6,260'-6,451' down 5-1/2" casing at 35 BPM with 55,000 gals 70Q, CO2 foamed, 25# XL gelled, 2% KCl water (PurGel III) carrying 89,000# 20/40 BASF sand and 20,000# 20/40 Super LC RC sand. Do not exceed 3,250 psig. Est TP 2,500 psig. Flush with 5,632 gals 70Q, CO2 foamed linear gel followed by 500 gals linear gel (3 bbls under flush). Est CO2 vol 170 tons down hole. Record ISIP and 5" SIP.

DAKOTA SCHEDULE

Stage	BPM	Fluid	Total Vol Gal	Prop Conc	Prop
Pad	40	25# 70Q XL CO2	10,000		
2	40	25# 70Q XL CO2	14,000	1	14,000# 20/40 BASF
3	40	25# 70Q XL CO2	10,000	2	20,000# 20/40 BASF
4	40	25# 70Q XL CO2	9,000	3	27,000# 20/40 BASF
5	40	25# 70Q XL CO2	7,000	4	28,000# 20/40 BASF
6	40	25# 70Q XL CO2	5,000	4	20,000# 20/40 Super LC
Flush	40	25# 70Q XL CO2	5,632		
Flush	20	25# linear gel	500		
Total		89,000# 20/40 BASF 20,000# 20/40 Super LC			170 Tons CO2 DH

9. SWI 4 hrs. RDMO Stinger isolation tool. RDMO acid and CO2 frac equip. Flow back well thru a choke manifold to flowback tank. Start with 8/64" ck. Increase choke size as appropriate.
10. Flow test min 3hrs on fixed choke for IP tst. Record liq vols, FTP, SICP , & choke size. SWI. Report rates and pressure to Ryan Lavergne. RD flowback manifold.
11. MIRU PU.
12. ND frac vlv & NU BOP. MIRU air/foam unit.
13. TIH with NC, SN and 2-3/8" tubing. CO to 6,642' (PBTD). Circulate wellbore clean. RDMO air/foam unit.
14. Land tubing at $\pm 6,381'$. SN at $\pm 6,380$. ND BOP. NU WH.
15. RU swab. Swab well until clean fluid is obtained and well kicks off.
16. RDMO PU.
17. Schedule 1st delivery.
18. Report rates and pressures to Ryan Lavergne.

Wait on AFE to recomplete to Mancos to be approved by partners

19. MI 2 - 400 bbl frac tanks, 1 flow back tank. Fill the frac tanks with 2% KCl water. NOTE: Have frac co. test wtr for compatibility prior to frac & add biocide. Heat wtr in the frac tanks so that wtr temperature @ frac time is ± 80 deg F. Hot oil trk must be clean to avoid contaminating the frac fld.

20. MIRU PU. ND WH. NU BOP.

21. TOH w/tbg. ND BOP. NU frac vlv. RDMO PU.

22. MIRU wireline services. RU full lubricator. RIH and set a 5-1/2" CBP at 5,730' (Collars at 5,707' & 5,752'). Load hole w/2% KCl & PT CBP to 3,250 psig for 5". RIs press.

23. Perf Mancos with 3-1/8" select fire csg gun with 1 JSPF (Owen HSC-3125-302 or similar, 10 gm charges, 0.34" dia., 21.42" penetration, 22 holes). POH with csg gun. RDMO WL truck.

Mancos Perfs

PERF	CCL	PERF	CCL	PERF	CCL	PERF	CCL	PERF	CCL	PERF	CCL
5,699'		5,663'		5,613'		5,547'		5,448'		5,383'	
5,694'		5,649'		5,606'		5,513'		5,435'		5,373'	
5,676'		5,642'		5,570'		5,476'		5,407'			
5,669'		5,619'		5,563'		5,469'		5,399'			

24. MIRU Stinger isolation tool. MIRU frac and acid equip. MI Praxair CO2 transports

25. BD Mancos perfs fr/5,373'-5,699' and EIR with 2% KCl water. Max TP 3,250 psig. Switch to acid. Acidize with 1,500 gals of 15% NEFE HCl acid (FE control, surf & Cl additives) + 40 – 7/8" 1.1 SG Green bioballs. Flush acid 3 bbls past btm perf w/5,825 gals 2% KCl water or until ball off. Pump flush @ +/- 12 BPM. Surge off balls. Begin CO2 cooldown.

26. Frac Mancos perfs fr/5,373'-5,699' down 5-1/2" casing at 40 BPM with 59,000 gals 70Q, CO2 foamed, 25# XL gelled, 2% KCl water (PurGel III) carrying 81,000# 20/40 BASF sand and 21,000# 20/40 Super LC RC sand. Do not exceed 3,250 psig. Est TP 2,300. Flush with 4,745 gals 70Q, CO2 foamed linear gel followed by 500 gals linear gel (3 bbls under flush). Record ISIP and 5" SIP.

MANCOS SCHEDULE

Stage	BPM	Fluid	Total Vol Gal	Prop Conc	Prop
Pad	40	25# 70Q XL CO2	10,000		
2	40	25# 70Q XL CO2	16,000	1	16,000# 20/40 BASF
3	40	25# 70Q XL CO2	13,000	2	26,000# 20/40 BASF
4	40	25# 70Q XL CO2	13,000	3	39,000# 20/40 BASF
5	40	25# 70Q XL CO2	7,000	3	21,000# 20/40 Super LC
Flush	40	25# 70Q XL CO2	4,745		
Flush	20	25# linear gel	500		
Total		81,000# 20/40 BASF	21,000# 20/40 Super LC		180 tons CO2 DH

27. SWI 4 hrs. RDMO Stinger isolation tool. RDMO acid and CO2 frac equip. Flow back well thru a choke manifold to flowback tank. Start with 8/64" ck. Increase choke size as appropriate.

28. Flow test min 3hrs on fixed choke for IP tst. Record liq vols, FCP, & choke size. SWI. Report rates and pressure to Ryan Lavergne. RD flowback manifold.

29. MIRU PU.

30. ND frac vlv & NU BOP. MIRU air/foam unit.

31. TIH with NC, SN and 2-3/8" tubing. CO to 5,730' (CBP). Circulate wellbore clean. RDMO air/foam unit.
32. Land tubing at $\pm 5,475'$. SN at $\pm 5,474'$. ND BOP. NU WH.
33. RU swab. Swab well until clean fluid is obtained and well kicks off.
34. RDMO PU.
35. Schedule 1st delivery.
36. Report rates and pressures to Ryan Lavergne

Test Mancos for minimum of one month:

37. MI 2 - 400 bbl frac tanks, 1 flow back tank. Fill the frac tanks with 2% KCl water. NOTE: Have frac co. test wtr for compatibility prior to frac & add biocide. Heat wtr in the frac tanks so that wtr temperature @ frac time is ± 80 deg F. Hot oil trk must be clean to avoid contaminating the frac fld.
38. MIRU PU. ND WH. NU BOP.
39. TOH w/tbg. ND BOP. NU frac vlv. RDMO PU
40. MIRU wireline services. RU full lubricator. RIH and set a 5-1/2" CBP at 4,480' (Collars at 4,503' & 4,459'). Load hole w/2% KCl wtr & PT CBP to 3,250 psig for 5". Rls press.
41. Perf Point Lookout with 3-1/8" select fire csg gun with 1 JSPF (Owen HSC-3125-302 or similar, 10 gm charges, 0.34" dia., 21.42" penetration, 19 holes). POH with csg gun. RD WL truck.

Point Lookout Perfs

PERF	CCL	PERF	CCL	PERF	CCL	PERF	CCL	PERF	CCL
4,449'		4,387'		4,332'		4,260'		4,184'	
4,434'		4,384'		4,319'		4,236'		4,178'	
4,430'		4,372'		4,284'		4,209'		4,165'	
4,406'		4,341'		4,280'		4,192'			

42. MIRU acid & frac equip. BD Point Lookout perfs from 4,165'-4,449' and EIR with 2% KCl water. Acidize with 1,500 gals of 15% NEFE HCl and 38 green Bioballs at ± 12 BPM down 5-1/2" csg. Max TP 3,250 psig. Flush with 4,575 gals 2% KCl water (3 bbls over flush) or until ball off. Surge off balls.
43. Frac Point Lookout perfs from 4,165'-4,449' down 5-1/2" csg at 45 BPM with 58,000 gals 70Q, N2 foamed, 12# XL gelled (Delta 140), 2% KCl water carrying 72,000# 20/40 BASF sand and 21,000# 20/40 Super LC RC sand. Do not exceed 3,250 psig. Est TP 2,300 psig. Flush with 4,122 gals linear gel (1 bbl under flush). Record ISIP, 5", 10" and 15" SIP's.

POINT LOOKOUT SCHEDULE

Stage	BPM	Fluid	Vol Gals	Prop Conc	Prop
Pad	40	12# 70Q foam	12,000		
2	40	12# 70Q foam	15,000	1	15,000# 20/40 BASF
3	40	12# 70Q foam	15,000	2	30,000# 20/40 BASF
4	40	12# 70Q foam	9,000	3	27,000# 20/40 BASF
6	40	12# 70Q foam	7,000	3	21,000# 20/40 Super LC
Flush	20	12# linear gel	4,122		
Total	72,000#	20/40 BASF	21,000#	20/40 SLC	

44. SWI 4 hrs. RDMO acid and N2 frac equip. Flow back well thru a choke manifold to flowback tank. Start with 8/64" ck. Increase choke size as appropriate.
45. Flow test min 3hrs on fixed choke for IP tst. Record liq vols, FTP, SICP , & choke size. SWI. Report rates and pressure to Ryan Lavergne
46. MIRU WLU. RU lubricator.
47. RIH and set a 5-1/2" CBP at 4,070' (Collars at 4,053' & 4,098'). Load hole w/2% KCl wtr & PT CBP to 3,250 psig for 5". Rls press.
48. Perf sqz holes with 3-1/8" select fire csg gun with (Owen HSC-3125-369 or similar, 0.50" dia., 16" penetration, 4 holes) as follows:

Sqz hole	CCL	Sqz hole	CCL
3,794'		3,795'	
3,794.5'		3,795.5'	

49. POH with csg gun. RD WL truck.
50. MIRU PU. ND frac vlv. NU BOP.
51. TIH w/5-1/2" CICR & 2-3/8" tbg to 3,754' (Collars @ 3,749' & 3,784'). Pmp dwn tbg & circ out TCA to confirm CICR is clear & csg is loaded.
52. Set CICR @ 3,754'.
53. PT TCA to 500 psig. Rls press.
54. BD sqz holes & EIR w/fresh wtr. Max allowable surface press 6,000 psig (80% of tubing yield strength). Chk for circ out 5-1/2" x 8-5/8" annulus. **NOTE:** Cmt vol in step 36 will be based on inj rate, inj press & circ.
55. Notify BLM & OCD of cementing operations
56. RU cmt services. Pmp 820 cuft of cmt (30% over openhole caliper vol fr/3,800' to surface csg shoe + 870' surface csg/production csg annulus) as follows: 10 bbls fresh wtr, 243 sx Econolite cmt or similar (mixed at 11.2 ppg & 2.8 cuft/sx) tailed with 100 sx Class 'G' cmt or similar w/sufficient fluid loss control (mixed at 14.2 ppg & 1.4 cuft/sx). Displace w/fresh wtr +/- 1 bbl short of CICR. Sting out of CICR and dump +/- 1 bbl cmt on top of CICR. Rev circ tbg clean. RDMO cmt services.

57. TOH w/2-3/8" tbg. LD setting tl. WOC min 24 hrs before drillout. **NOTE:** If cmt does not circ run CBL fr/CICR to surf to locate TOC

58. PU & TIH w/4-3/4" bit, 4-DC's, & 2-3/8" tbg. DO cmt to CICR (3,754'). DO CICR. CO to CBP @ 4,070'. DO NOT DRILL OUT CBP @ 4,070'.

59. TOH & LD bit, DC's, & tbg.

60. ND BOP. NU frac vlv. RDMO PU.

61. MIRU WLU. Perf Menefee with 3-1/8" select fire csg gun with 1 JSPF (Owen HSC-3125-302 or similar, 10 gm charges, 0.34" dia., 21.42" penetration, 16 holes). POH with csg gun. RD WL truck.

Menefee Perfs

PERF	CCL	PERF	CCL	PERF	CCL	PERF	CCL
4,032'		3,968'		3,896'		3,830'	
4,028'		3,961'		3,888'		3,808'	
4,025'		3,944'		3,884'		3,796'	
3,971'		3,942'		3,851'		3,787'	

62. MIRU acid & frac equip. Acidize with 1,500 gals of 15% NEFE HCl and 30 green Bioballs at +/- 12 BPM down 5-1/2" csg. Max TP 3,250 psig. Flush with 4,157 gals 2% KCl water (3 bbls over flush). Ball off and shear frac plug pins. Surge off balls.

63. Frac Menefee perfs from 3,787'-4,032' down 5-1/2" csg at 40 BPM with 66,000 gals 70Q, N2 foamed, 12# XL gelled (Delta 140), 2% KCl water carrying 78,000# 20/40 Brown sand and 27,000# 20/40 Super LC RC sand. Do not exceed 3,250 psig. Est TP 2,400 psig. Flush with 3,700 gals 70Q, N2 foamed linear gel (2 bbls under flush). Record ISIP, 5", 10" and 15" SIP's.

MENEFEE SCHEDULE

Stage	BPM	Fluid	Vol Gals	Prop Conc	Prop
Pad	30	12# 70Q foam	13,000		
2	30	12# 70Q foam	20,000	1	20,000# 20/40 Brown
3	30	12# 70Q foam	14,000	2	28,000# 20/40 Brown
4	30	12# 70Q foam	10,000	3	30,000# 20/40 Brown
5	30	12# 70Q foam	9,000	3	27,000# 20/40 Super LC
Flush	30	12# 70Q foam	3,700		
Total		78,000# 20/40 Brown	27,000# 20/40 SLC		

64. SWI 4 hrs. RDMO acid and N2 frac equip. Install flowback manifold. Flowback well thru a choke manifold to flowback tank. Start with 8/64" ck. Increase choke size as appropriate.

65. MIRU PU.

66. ND frac vlv & NU BOP. MIRU air/foam unit.

67. TIH with NC, SN and 2-3/8" tubing. CO to 4,070' (CBP). Circulate wellbore clean. RDMO air/foam unit.

68. Land tubing at \pm 3,875'. SN at \pm 3,874'. ND BOP. NU WH. RDMO PU.

69. Schedule 1st delivery.

70. Report rates and pressures to Ryan Lavergne.

Test Point Lookout for minimum of one month:

71. MIRU PU. ND WH. NU BOP

72. TOH w/tbg.

73. TIH with 4-3/4" bit, 4-3/4" string mill, SN and 2-3/8" tubing. CO to plug at 4,070'. DO plug @ 4,070'. CO to plug at 4,480'. DO plug @ 4,480'. CO to plug at 5,730'. DO plug @ 5,730'. CO to 6,642' (PBSD). Circulate wellbore clean. RDMO air/foam unit.

74. TOH with tubing and mill . Lay down mill. TIH with NC, SN, and 2-3/8" tubing to surface. Land tubing at ±6,381'. SN at ±6,380. ND BOP. NU WH.

75. RU swab. Swab well until clean fluid is obtained and well kicks off.

76. RDMO PU.

77. RWTP DHC .

78. Report rates and pressures to Ryan Lavergne.

Regulatory:

1. New Drill
 - a. Completion reports
 - b. C-104's
2. Downhole commingle (NOTE: Waiting on Decks. 50% WI in MC, full title review pending)
 - a. NMOCD –
 - b. BLM –
3. Cmt remediation
 - a. Approval to do work after doing completion work
 - b. Sundry

Equipment:

1. TBG: 202 jts 2-3/8" tubing, SN, and NC.
2. 4-3/4" bit
3. 4-3/4" string mill
4. 3 – 5-1/2" CBP's
5. 1 – 5-1/2" CICR
6. 4 – DC's