Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO 1004-0137
Expires July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

RECEIVED

SUBMIT IN TRIPLICATE - *Other instructions on page 2*

AUG 16 2010

Farmington Field Office
Bureau of Land Management

5. Lease Serial No.
NMSF-077384

6 If Indian, Allottee or Tribe Name

7 If Unit or CA/Agreement, Name and/or No

1 Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8 Well Name and No.
MN GALT H #2

2 Name of Operator
XTO ENERGY INC.

9 API Well No
30-045-32578

3a Address
382 CR 3100 AZTEC, NM 87410

3b. Phone No (*include area code*)
505-333-3176

10 Field and Pool, or Exploratory Area
BASIN DAKOTA

4 Location of Well (*Footage, Sec , T , R , M , or Survey Description*)
2400' FNL & 900' FWL SWNW SEC.1(E)-T27N-R10W N.M.P.M.

11 County or Parish, State
SAN JUAN NM

12 CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13 Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No on file with BLM/BIA Required subsequent reports shall be filed within 30 days following completion of the involved operations If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the final site is ready for final inspection.)

XTO Energy Inc., intends to recomplete this well to the Otero Chacra formation per the attached procedure. ✍ Mancus

Please also see the attached C-102 Plat.

RCVD AUG 24'10
OIL CONS. DIV.
DIST. 3

14. I hereby certify that the foregoing is true and correct
Name (*Printed/Typed*) TEENA M. WHITING
Title REGULATORY COMPLIANCE TECHNICIAN

Signature Teena M. Whiting
Date 8/13/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by Original Signed: Stephen Mason
Title
Date AUG 17 2010

Conditions of approval, if any, are attached Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon
Office

NMOCD

Title 18 U.S C Section 1001, and Title 43 U S C Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

HOLD C104 FOR current T, C-102 forms for Chacra formation per 13

GFS _____
TJF _____

MN GALT H #2
OAP MANCOS/CHACRA
SEC 1, T27N, R10W
SAN JUAN CO., NM

SURF CSG: 8-5/8", 24#, J-55 CSG @ 350'. CMT'D W/250 SX CMT. CIRC 15 BBLS CMT TO SURF.

PROD CSG: 5-1/2", 15.5#, J-55 CSG @ 6,829'. CMT'D 1ST STAGE W/600 SX CMT. CIRC 45 BBLS CMT. CMT'D 2ND STAGE W/650 SX CMT. CIRC 94 BBLS CMT TO SURF. DV TOOL @ 4,007'. PBTD @ 6,789'.
CAPACITY = 0.0238 BPF OR 0.9997 GPF.
BURST = 4,810 PSIG (TREATING @ 80% = 3,850 PSIG).

TUBING: 2-3/8" X 30' OEMA W/1/4" WEEP HOLE & PIN, SN, 11 JTS 2-3/8" TBG, BAKER 5-1/2" TAC & 180 JTS 4.7#, J-55, EUE 8RD TBG. TAC @ 6,230'. SN @ 6,589'. EOT @ 6,619'.

RODS: 2" X 1-1/2" X 14' RWAC-Z (DV) EPS PMP (XTO #1751) & 1" X 1' STNR NIP, SPIRAL ROD GUIDE, 1" X 1' LS, 1-1/4" NORRIS SB, 21K SHEAR TL, 5 - 1-1/4" NORRIS SBS, 45 - 3/4" NORRIS GR "D" RODS W/5 MOLDED GUIDES PER ROD, 137 - 3/4" RODS, 75 - 7/8" RODS, 1-1/4" X 22' PR W/10' LNR.

EXISTING PERFS: DK: 6,344'- 6,489' (22 HOLES) & 6,554' – 6,560' (12 HOLES).

FORMATION: MANCOS (WELL # 97088, AFE # 1001391)
CHACRA (WELL # 97087, AFE # 1001389)

CORRELATE ALL DEPTHS TO SCHLUMBERGER PLATFORM EXPRESS/TRIPLE COMBO PRINT LOG DATED 6/27/2005.

Completion Procedure

1. Acquire Revenue Decks for Mancos & Chacra.
2. SWI for at least 48 hours. Record Dakota SICP and shoot fluid level. Calculate Dakota reservoir pressure for DHC approval.
3. Set 3 - 400 bbl frac tanks & 1 flowback tank. Fill frac tanks w/2% KCl water (or clay-stabilizer substitute). **NOTE:** Have frac co. test water for compatibility prior to frac & add biocide. Heat water in the frac tanks so that water temperature @ frac time is ±80° F. Hot oil truck must be clean to avoid contaminating the frac water.
4. MIRU PU. TOH & LD rods. ND WH. NU BOP.
5. TOH & LD tubing. ND BOP. NU frac valve.

6. MIRU WLU and mast truck. RU full lubricator. RIH with a 5-1/2" CBP. Set CBP at ±6,070' (ensure plug is not set in collar). Load hole w/2% KCl & PT csg & plug to 3,850 psig for 5". RDMO PU.

7. Perf Mancos w/3-1/8" csg gun loaded Owen HSC-3125-302 charges or equivalent performance charges (1 spf, 10 gm, 0.34" EHD, 21.42" pene, 120° phasing, ttl 35 holes).

Mancos Perforations							
PERF	CCL	PERF	CCL	PERF	CCL	PERF	CCL
5,895'		5,724'		5,641'		5,527'	
5,887'		5,718'		5,636'		5,516'	
5,810'		5,704'		5,633'		5,512'	
5,806'		5,700'		5,594'		5,503'	
5,774'		5,696'		5,590'		5,499'	
5,771'		5,669'		5,585'		5,497'	
5,765'		5,667'		5,570'		5,493'	
5,763'		5,664'		5,566'		5,483'	
5,735'		5,661'		5,530'			

8. MIRU N_2 frac and acid equipment. BD perfs. EIR w/2% KCl wtr. Max press 3,850 psig. Switch to acid. Acidize Mancos perfs fr/5,483' – 5,895' w/1,500 gals 15% NEFE HCl acid (FE control, surf & CI additives) + 53 - 7/8" 1.1 SG Green Bio balls. Flush acid 3 bbls past btm perf w/6,019 gals 2% KCl wtr or until ball off. Pump flush @ ±12 BPM. Record ISIP, 5". Surge off balls.

9. Frac Mancos perfs fr/5,483' – 5,895' down 5-1/2" csg with 67,500 gals 70Q, N2 foamed, 20# XL gelled Delta 140 frac fluid carrying 150,000# sand (120,000# 20/40 BASF sand and 30,000# 20/40 Super LC resin coated sand). Pmp frac @ 50 BPM. Do not exceed 3,850 psig. After seeing a 1 pound drop on the blender densitometer, **switch to tub bypass.** Flush w/5,355 gals 55Q linear gel (3 bbls short of top perf). Record ISIP & 5" SIP's. Frac schedule:

Mancos Schedule					
Stage	Fluid	Total Slurry vol	Clean vol	Stage Proppant	Cum Proppant
Pad	20# 70Q XL N_2	14,000 gal	4,200 gal	-	-
1 ppg	20# 70Q XL N_2	15,000 gal	4,500 gal	15,000# 20/40 BASF	15,000#
2 ppg	20# 70Q XL N_2	22,500 gal	6,750 gal	45,000# 20/40 BASF	60,000#
3 ppg	20# 70Q XL N_2	20,000 gal	6,000 gal	60,000# 20/40 BASF	120,000#
3 ppg	20# 70Q XL N_2	10,000 gal	3,000 gal	30,000# 20/40 Super LC	150,000#
Flush	55Q Linear Gel	5,355 gal	1,607 gal	-	150,000#
Total	**120,000# 20/40 BASF**			**30,000# 20/40 Super LC**	

10. SWI for 4 hours. RDMO N_2 frac and acid equipment. Flow back well through a choke manifold to flowback tank. Start with 8/64" choke. Increase choke size as appropriate.

11. Flow test min 3 hours on fixed choke for IP test. Record liquid volumes, FCP, & choke size. SWI. Report rates and pressures to Geoffrey Steiner. RD flowback manifold.

12. MIRU PU.

13. ND frac valve. NU BOP.

14. MIRU AFU.

15. TIH w/NC, SN, & 2-3/8" tubing.

16. CO frac sand fill to CBP @ ±6,070'. **DO NOT DRILL OUT CBP @ ±6,070'.**

17. TIH with 5-1/2" x 2-3/8" TECH TAC (open ended), 2-3/8" x 12' tbg sub, 2-3/8" x 4' perforated tbg sub, SN, & ±171 jts 2-3/8" tubing to surface. SN @ ±5,945'. EOT @ ±5,961'.

18. ND BOP. NU WH. Swab well until clean fluid is obtained.

19. TIH w/2" x 1-1/2" x 14' RWAC-Z (DV) pump with 1" x 1' stnr nip, spiral rod guide, 1" x 1' LS, 1-1/4" grade "K" no neck sinker bar, 21K shear tool, 5 – 1-1/4" (125') grade "K" no neck sinker bars, 30 – 3/4" (750') grade "D" rods w/5 guides per rod, 173 – 3/4" (4,325') grade "D" rods, 29 – 7/8" (725') grade "D" rods pony rods to space out pump, & 1-1/4" x 22' PR w/10' lnr.

20. Space out pump. HWO.

21. Load tubing & check pump action.

22. RDMO PU.

23. Set four 3CRO counterweights 9.2" from long end of crank. Start well pumping at 4 SPM and 74" SL. **Be sure to run PU no faster than 4 SPM due to high reducer rating.** This configuration will lift approximately 46 bwpd at 80% efficiency.

24. Schedule 1st delivery.

25. Report rates and pressures to Geoffrey Steiner.

Test Mancos for a minimum of one month for DHC allocations

26. Set 2 - 400 bbl frac tanks & 1 flowback tank. Fill frac tanks w/2% KCl water (or clay-stabilizer substitute). **NOTE:** Have frac co. test water for compatibility prior to frac & add biocide. Heat water in the frac tanks so that water temperature @ frac time is ±80° F. Hot oil truck must be clean to avoid contaminating the frac water.

27. SWI for at least 48 hours. Record Mancos SICP and shoot fluid level. Calculate Mancos reservoir pressure for DHC approval.

28. MIRU PU. TOH & LD rods & pump.

29. ND WH. NU BOP. TOH & LD tbg.

30. ND BOP. NU Frac valve.

31. MIRU WLU and mast truck. RU full lubricator. RIH with a 5-1/2" CBP. Set CBP at ±3,300' (ensure plug is not set in collar). Load hole w/2% KCl & PT csg & plug to 3,850 psig for 5". RDMO PU.

32. Perf Chacra w/3-1/8" csg gun loaded Owen HSC-3125-302 charges or equivalent performance charges (**2 spf**, 10 gm, 0.34" EHD, 21.42" pene, 120° phasing, ttl 22 holes).

Chacra Perforations					
PERF	CCL	PERF	CCL	PERF	CCL
3,097'		3,089'		2,936'	
3,095'		3,087'		2,934'	
3,093'		3,085'		2,921'	
3,091'		2,966'			

33. MIRU N_2 frac and acid equipment. BD perfs. EIR w/2% KCl water. Max press 3,850 psig. Switch to acid. Acidize Chacra perfs fr/2,921' – 3,097' w/1,500 gals 15% NEFE HCl acid (FE control, surf & CI additives) + 33 - 7/8" 1.1 SG Green Bio balls. Flush acid 3 bbls past btm perf w/3,222 gals 2% KCl water or until ball off. Pump flush @ ±12 BPM. Record ISIP, 5". Surge off balls.

34. Frac Chacra perfs fr/2,921' – 3,097' down 5-1/2" csg with 34,500 gals 70Q, N2 foamed, 12# XL gelled Delta 140 frac fluid carrying 60,000# sand (48,000# 20/40 BASF sand and 12,000# 20/40 Super LC resin coated sand). Pmp frac @ 35 BPM. Do not exceed 3,850 psig. After seeing a 1 pound drop on the blender densitometer, **switch to tub bypass.** Flush w/2,794 gals 55Q linear gel (3 bbls short of top perf). Record ISIP & 5" SIP's. Frac schedule:

Chacra Schedule					
Stage	Fluid	Total Slurry vol	Clean vol	Stage Proppant	Cum Proppant
Pad	12# 70Q XL N_2	7,500 gal	2,250 gal	-	-
1 ppg	12# 70Q XL N_2	6,000 gal	1,800 gal	6,000# 20/40 BASF	6,000#
2 ppg	12# 70Q XL N_2	9,000 gal	2,700 gal	18,000# 20/40 BASF	24,000#
3 ppg	12# 70Q XL N_2	8,000 gal	2,400 gal	24,000# 20/40 BASF	48,000#
3 ppg	12# 70Q XL N_2	4,000 gal	1,200 gal	12,000# 20/40 Super LC	60,000#
Flush	55Q Linear Gel	2,794 gal	1,257 gal	-	60,000#
Total	**48,000# 20/40 BASF**			**12,000# 20/40 Super LC**	

35. SWI for 4 hours. RDMO N_2 frac and acid equipment. Flow back well through a choke manifold to flowback tank. Start with 8/64" choke. Increase choke size as appropriate.

36. Flow test min 3 hours on fixed choke for IP test. Record liquid volumes, FCP, & choke size. SWI. Report rates and pressures to Geoffrey Steiner. RD flowback manifold.

37. MIRU PU.

38. ND frac valve. NU BOP.

39. MIRU AFU.

40. TIH w/NC, SN, & 2-3/8" tubing.

41. CO frac sand fill to CBP @ ±3,300'. **DO NOT DRILL OUT CBP @ ±3,300'.**

42. TIH with 2-3/8" x 30' OEMA with 1/4" weep hole, SN, & ±97 jts 2-3/8" tubing to surface. SN @ ±3,150'. EOT @ ±3,180'.

43. ND BOP. NU WH. Swab well until clean fluid is obtained.

44. TIH w/2" x 1-1/2" x 14' RWAC-Z (DV), 1-1/4" sinker bar, 21 K shear tool, 5 – 1-1/4" (125') no neck sinker bar "K" rods, 12 – 3/4" (300') grade "D" rods w/5 guides per rod, 108 – 3/4" (2,700') grade "D" rods, pony rods to space out pump, & 1-1/4" x 22' PR w/10' lnr.

45. Space out pump. HWO.

46. Load tubing & check pump action.

47. RDMO PU.

48. Set two 3CRO counterweights 45.2" from long end of crank on the left lead and right lead. Start well pumping at 4 SPM and 74" SL. This configuration will move approximately 58 bwpd at 80% efficiency.

49. Schedule 1st delivery.

50. Report rates and pressures to Geoffrey Steiner.

Test Chacra for a minimum of one month.

51. SWI for at least 48 hours. Record Chacra SICP and shoot fluid level. Calculate Chacra reservoir pressure for DHC approval.

Submit DHC Allocations. Wait for approval before continuing.

52. MIRU PU. TOH w/rods.

53. ND WH. NU BOP.

54. TOH w/tbg. PU 4-3/4" bit.

55. TIH w/4-3/4" bit & tbg. DO CBP @ ±3,300'. DO CBP @ ±6,070'. CO to PBTD @ 6,789'.

56. TOH with 2-3/8" tbg.

57. TIH with tubing and land as follows:
    a) 5-1/2" x 2-3/8" TECH TAC (open ended)
    b) 2-3/8" x 12' tbg sub
    c) 2-3/8" x 4' perforated tbg sub
    d) SN
    e) ±191 jts 2-3/8" tubing to surface
    TECH TAC @ ±6,616'. SN @ ±6,600'. EOT @ ±6,616'.

58. Swab well until clean fluid is obtained.

59. ND BOP. NU WH.

60. TIH with rod assembly as follows:
    a) 2" x 1-1/2" x 14' RWAC-Z (DV) pump with 1" x 1' stnr nip
    b) Spiral rod guide
    c) 1" x 1' LS
    d) 1-1/4" grade "K" no neck sinker bar
    e) 21K shear tool
    f) 5 – 1-1/4" (125') grade "K" no neck sinker bars
    g) 45 – 3/4" (1,125') grade "D" rods w/5 guides per rod
    h) 173 – 3/4" (4,325') grade "D" rods
    i) 40 – 7/8" (1,000') grade "D" rods
    j) Pony rods to space out pump
    k) 1-1/4" x 22' PR w/10' lnr

61. Space out pump. HWO.

62. Load tubing & check pump action.

63. RDMO PU.

64. Set four 2RO counterweights 10.2" from long end of crank. Start well pumping at 4 SPM and 74" SL. **Be sure to run PU no faster than 4 SPM due to high reducer rating.** This configuration will move an estimated 42 bwpd at 80% efficiency.

65. Report rates and pressures to Geoffrey Steiner.

Regulatory Requirements

Recompletion

NOI	_____
C-144	_____
Completion Reports	_____
Request for Allowable	_____

DHC

Allocations	_____
Owner notification	_____
DHC order	_____
150% rule data	_____

Services

AFU

WL truck & mast truck to perf & set plugs

Acid & frac equip

Equipment List

- 3 – 400 bbl frac tanks
- 1 flowback tank
- 2 – 5-1/2" frac plugs
- 1 – 4-3/4" bit
- 5-1/2" x 2-3/8" TECH TAC
- 36 – 3/4" (1,150') grade "D" rods

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

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

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M 87410

DISTRICT IV
1220 South St. Francis Dr., Santa Fe, NM 87505

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

[1] API Number	[2] Pool Code	[3] Pool Name
30-045-32578	82329	Otero Chacra

[4] Property Code	[5] Property Name	[6] Well Number
22621	M N GALT H	2

[7] OGRID No	[8] Operator Name	[9] Elevation
5380	XTO ENERGY INC.	6031

[10] Surface Location

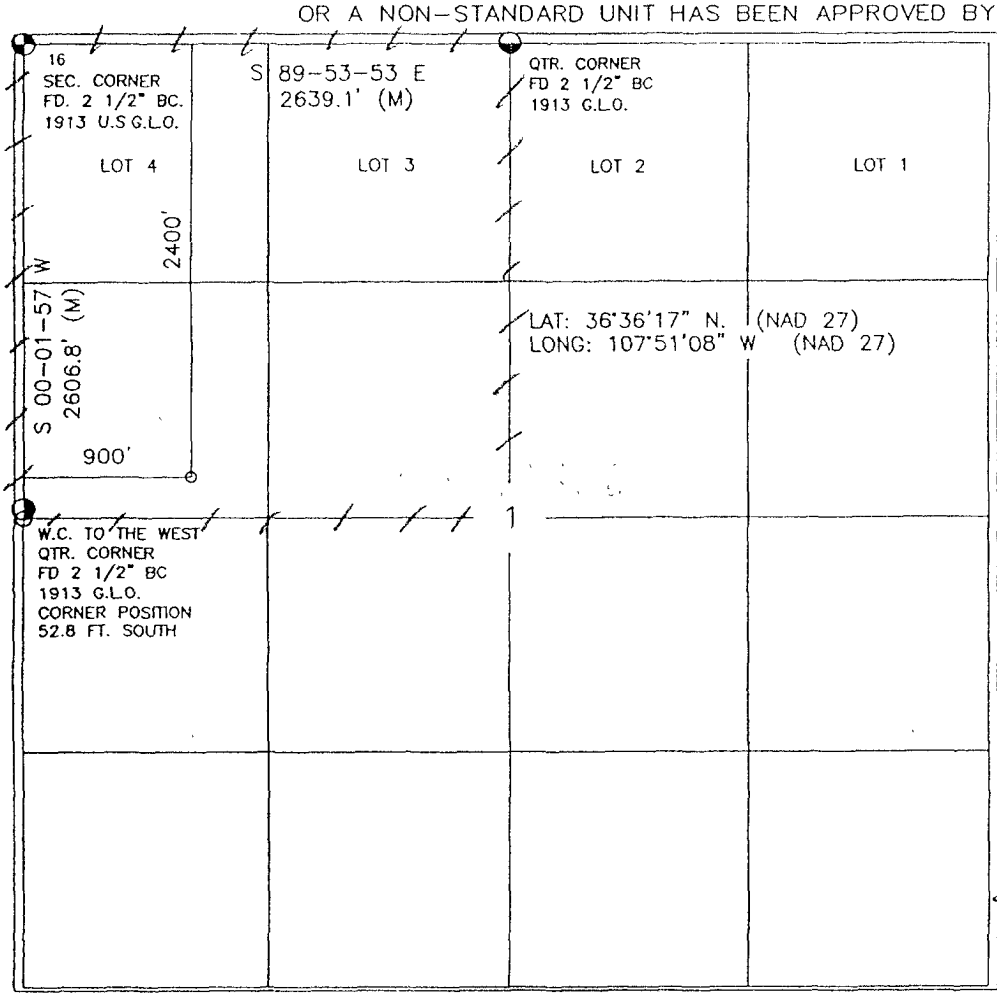
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	1	27-N	10-W		2400	NORTH	900	WEST	SAN JUAN

[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	[13] Joint or Infill	[14] Consolidation Code	[15] Order No.
NW/160			

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



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

Maria Villers
Signature

Maria Villers
Printed Name

Permitting Tech.
Title

July 27, 2010
Date

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

April [illegible], 2004
Date of Survey

Signature and Seal of Professional Surveyor:

JOHN A. VUKONICH
NEW MEXICO
14827
REGISTERED PROFESSIONAL SURVEYOR

Certificate Number