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.***

***SUBMIT IN TRIPLICATE*** - *Other instructions on page 2*

RECEIVED
MAR 26 2010
Bureau of Land Management
Farmington Field Office

5. Lease Serial No.
NOOC14203622

6. If Indian, Allottee or Tribe Name
NAVAJO

7. If Unit or CA/Agreement, Name and/or No.
NMNM75915

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

8. Well Name and No.
GALLEGOS #4

2. Name of Operator
XTO ENERGY INC.

9. API Well No.
30-045-21291

3a. Address
382 CR 3100 AZTEC, NM 87410

3b. Phone No. (*include area code*)
505-333-3100

10. Field and Pool, or Exploratory Area
BASIN DAKOTA

4. Location of Well (*Footage, Sec., T., R., M., or Survey Description*)
950' FSL & 2205' FEL SWSE Sec.33(O)-T26N-R11W 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 RC BASIN MANCOS & PWOP |
| | ☐ 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. proposes to recomplete to the Basin Mancos formation and put this well on pump per the attached procedure. Please also see the attached MC C102 plat.

RCVD MAR 31 '10
OIL CONS. DIV.
DIST. 3

14 I hereby certify that the foregoing is true and correct
Name (*Printed/Typed*) DOLENA JOHNSON

Title REGULATORY COMPLIANCE TECHNICAIN

Signature Dolena Johnson

Date 03/24/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by Original Signed: Stephen Mason

Title

Date MAR 29 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.

NMOCD

Office

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.

WFL___
TJF___

# Gallegos Well #4
## Unit O, Sec 33, T 26 N, R 11 W
## San Juan County, New Mexico

### Recomplete Mancos and PWOP

**SURF CSG:** 8-5/8", 20#, J-55, EUE 8RD CSG @ 615'. CIRC CMT TO SURF.

**PROD CSG:** 5-1/2", 15.5#, K-55, ST&C CSG @ 6,070'. DV TL @ 2,236'. PBTD @ 6,035'.
CAPACITY = 0.0238 BBLS/FT (0.1336 CUFT/FT).
BURST = 4,810 PSI (TREATING @ 80% = 3,840 PSI)

**CEMENT:** 1ST STAGE W/ 200 SX CL "C" & 100 SX CL "C" LATEX. 2ND STAGE W/ 300 SX CL "C".

**TBG:** SHC, SN, 5 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG W/SHC, 180 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG, 3 - 2-3/8" X 8' TBG SUBS & 1 JT 2-3/8", 4.7#, J-55, EUE, 8RD TBG. EOT SET @ 5,799'. SN SET @ 5,797'.

**PERFS:** DAKOTA:
FR/5,830'-56' W/2 JSPF.
FR/5,908'-18' & 5,924-34' W/2JSPF (CR 5,880')

### Workover Procedure

1) Install and test rig anchors. Comply with all New Mexico OCD, BLM and XTO safety rules and regulations. Conduct safety meeting for all personnel on location. MIRU daylight pulling unit.

2) MI 3 - 400 bbl frac tanks and 1 flow back tank. Fill the frac tanks with 2% KCL water. Note: Have frac company run preliminary fluid quality tests and add biocide.

3) ND WH. NU BOP and test the BOP.

4) TOH with tubing. TIH with 4-3/4" bit and scraper to 5,880'. TOH with bit and scraper.

5) TIH with RBP and set at 5,800' and load casing with 2% KCl water (±138 bbls).

6) MIRU WL. Run CBL/CCL from 5,050' to the surface while maintaining 750 psi on the casing. RDMO WL.

7) Report results to Derick Lucas.

8) MIRU AFU. TIH with retrieving tool. Unload KCl water with AFU and retrieve RBP.

9) TIH with 4-3/4" bit and DC's and DO CR @ 5880. DO cmt and CO to PBTD of 6,035'.

10) TIH with retrievable tension packer and set at 5,875'. PT casing to 1,500 psi for 5 minutes.

11) Report results to Derick Lucas.

12) If squeezed perforations do not PT, then they will be re-squeezed before moving on.

13) TIH with CBP and set at 5,000'.

14) Perf Mancos with 3-1/8" csg gun with 2 JSPF (Titan EXP-3323-361T, 22.7 gm, 0.36" dia., 35.63" pene, 26 holes) or equivalent performance charges. POH with csg gun.

| Mancos Perfs | |
|---|---|
| PERF | PERF |
| 4,971' | 4,945' |
| 4,969' | 4,935' |
| 4,967' | 4,877' |
| 4,956' | 4,875' |
| 4,953' | 4,852' |
| 4,951' | 4,849' |
| 4,947' | - |

15) TIH with a retrievable tension packer (5 ½" Baker Arrow-set Fullbore with SN and SV) on 3-1/2" N-80 work string and set at 4,750'.

- 3-1/2" N-80 workstring: Capacity-0.0087 bbls/ft Burst-8,100 psi (80% yield)

16) NU frac valve.

17) MIRU frac equipment. Install a pressure transducer monitor the backside during the stimulation job. Load back side with KCl water. Test all surface lines to 5,500 psig. BD perfs with fresh water and EIR. Acidize Mancos perfs with 1,500 gals of 15% NEFE HCl acid (FE control, surf & CL additives) and 39 - 1.1 SG RCN BS @ 12 BPM down 3-1/2" work string. Flush with 2,049 gals KCl water (3 bbls over flush). Record ISIP, 5", and 10" SIPs. Release packer and TIH past 4,971'. PUH and set packer at 4,750'.

18) Frac Mancos perfs fr/4,849'-4,971' down 3-1/2" work string at 25 BPM. Pump 70Q N2 foam gelled fluid (Delta-140 Foam Frac) w/76,500# 20/40 BASF proppant followed by 13,500# 20/40 BASF proppant coated with Expedite Lite. Flush with 1,756 gals (1 bbl short of top perf). Est. TP 4,400 psig. Pump frac @ 25 BPM. Max TP @ 5,500 psig. Frac schedule:

| Mancos Frac Schedule | | | | | | |
|---|---|---|---|---|---|---|
| Stage | BPM | Fluid | Foam Vol. | Clean Vol. (gal) | Prop | Cum. Prop |
| Water | 5 | Water | - | 500 | - | - |
| Acid | 12 | 15% HCL Acid | - | 1,500 | - | - |
| Flush | 12 | Water | - | 2,049 | - | - |
| Pad | 25 | 70Q XL foam | 11,000 | 3,300 | - | - |
| 0.5 ppg | 25 | 70Q XL foam | 18,000 | 5,400 | 9,000# 20/40 | 9,000# 20/40 |
| 1 ppg | 25 | 70Q XL foam | 9,000 | 2,700 | 9,000# 20/40 | 18,000# 20/40 |
| 2 ppg | 25 | 70Q XL foam | 11,250 | 3,400 | 22,500# 20/40 | 40,500# 20/40 |
| 3 ppg | 25 | 70Q XL foam | 12,000 | 3,600 | 36,000# 20/40 | 76,500# 20/40 |
| 3 ppg | 25 | 70Q XL foam | 4,500 | 1,400 | 13,500# 20/40 w/ Expedite Lite | 90,000# 20/40 |
| Flush | 25 | 70Q N2 linear gel | 1,756 | 530 | - | - |
| **Total** | **65,750 gals Delta-140** | | | **25,050** | **90,000# 20/40** | |

Record ISIP & 5" SIP.

19) Install flowback manifold. Flowback well thru a choke manifold to flowback tank. Start with an 8/64" choke. Increase choke size as appropriate. Record the final shut in pressure to be used for the C-104.

20) ND frac valve.

21) Release packer and TOH.

22) TIH w/4-3/4" bit, bit sub, and 2-3/8" tubing. CO to CBP (5,000). DO CBP @ 5,000'. CO to 6,350' (PBTD). Circulate wellbore clean. TOH w/tbg & bit.

23) TIH with tubing BHA with as follows:
   a) 1- 5-1/2" TECH TAC, open ended
   b) 2- 30'- 2-3/8" jts
   c) 1- 30'- 2-3/8" jt w/ 1/2" vent hole located 1' from top
   d) 2-3/8" (1.78" ID) API SN
   e) ±196 jts - 2-3/8" tubing to surface, EOT @ 5,960', SN @ 5,870'. TAC @ 5,960

24) ND BOP. NU WH.

25) TIH with rod assembly as follows:
   - 2" X 1-1/2" X 16' X 2' (with 8' dip tube) RWAC pump
   - 3/4" X 4' Guided rod sub w/ mold-on guides
   - 3/4" – 21,000lb HF shear tool
   - 6 - 1-1/4" API K sinker bars with stabilizer rods
   - 22 - 3/4" API D Molded Guide Rods w/ T-couplings
   - 206- 3/4" API D Rods w/ T-couplings
   - 1-1/4" X 22' Polished Rod w/ 10' liner

26) Space out pump with spacer subs. Load tubing and long stroke with rig to ensure pump action. HWO.

27) RDMO PU.

28) Set a used Lufkin C-160-200-74 pumping unit with an Arrow C-96 engine (or equivalent) & cement base.

29) Set unit in crank hole & sheave meter so it will pump @ 3 x 74" spm.

30) Set 4-3CRO counter weights at 16.6"from long end of crank.

31) Gauge tanks. Shoot FL and run dynamometer during pumping unit startup. Start well pumping at 3 SPM and 74" SL for 24 hours. Check fluid level and tank gauges.

32) Report pre and post start up data to Derick Lucas

**Regulatory:**

1. Acquire approval to recomplete to the Mancos
2. DHCM Dakota & Mancos
3. Acquire approval of C-144

**Equipment:**

- 4-3/4" bit & bit sub
- 1 – 4-1/2" CBP
- 1 – 4-1/2" RBP
- 5-1/2" Baker Arrow-set Fullbore with SN and SV (on 3-1/2" work-string)
- 3-1/2" N-80 work-string (4900')

**Rods:**

- 2" X 1-1/2" X 16' X 2' (with 8' dip tube) RWAC pump
- 3/4" X 4' Guided rod sub w/ mold-on guides
- 3/4" – 21,000lb HF shear tool
- 6 - 1-1/4" API K sinker bars with stabilizer rods
- 22 - 3/4" API D Molded Guide Rods w/ T-couplings
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District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 South First, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
Fee Lease - 3 Copies
State Lease - 4 Copies

☐ AMENDED REPORT

# WELL LOCATION AND ACREAGE DEDICATION PLAT

| [1] API Number | [2] Pool Code | [3] Pool Name |
|---|---|---|
| 30-045-21291 | 97232 | BASIN MANCOS |

| [4] Property Code | [5] Property Name | [6] Well Number |
|---|---|---|
| 022610 | GALLEGOS | 4 |

| [7] OGRID No. | [8] Operator Name | [9] Elevation |
|---|---|---|
| 5380 | XTO Energy. Inc. | 6283' |

## [10] Surface Location

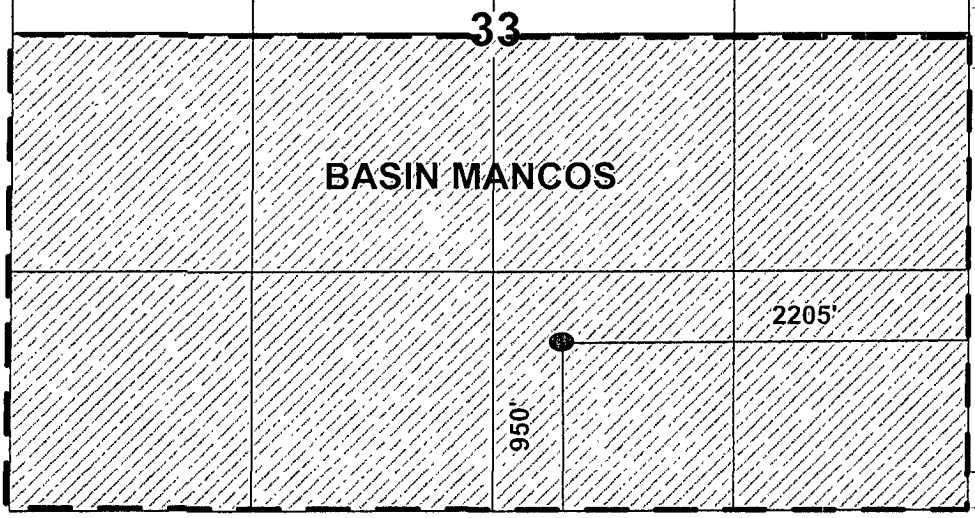
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
|---|---|---|---|---|---|---|---|---|---|
| O | 33 | 26-N | 11-W | | 950' | SOUTH | 2205' | EAST | SAN JUAN |

## [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 |
|---|---|---|---|---|---|---|---|---|---|
| SAME | | | | | | | | | |

| [12] Dedicated Acres | [13] Joint or Infill | [14] Consolidation Code | [15] Order No. |
|---|---|---|---|
| MC: 320 acres | | | |

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 & complete to the best of my knowledge & 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
Dolena C Johnson
Printed Name
DOLENA JOHNSON
Title
REGULATORY COMP TECH
Date
03/24/2010

## [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 & correct to the best of my belief*

6/23/1984
Date of Survey
Original Survey Signed By:
John A. Vukonich
14831
Certificate Number