

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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.

5. Lease Serial No.

SF-078715 SF-065546

6. If Indian, Allottee or Tribe Name

N/A

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

N/A

8. Well Name and No.

HUBBELL GAS COM #2S

9. API Well No.

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

SAN JUAN NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

XTO Energy Inc.

3a. Address

2700 Farmington Ave., Bldg. K. Ste 1 Farmington,

3b. Phone No. (include area code)

505-324-1090

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

690' FSL & 1405' FEL in SEC. 29"O", T28N, R10W (SURFACE LOCATION)

1970' FSL & 2590' FEL in SEC. 29"J", T28N, R10W (BHL)

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

TYPE OF SUBMISSION

☐ Notice of Intent

☒ Subsequent Report

☐ Final Abandonment Notice

TYPE OF ACTION

☐ Acidize

☐ Alter Casing

☐ Casing Repair

☒ Change Plans

☐ Convert to Injection

☐ Deepen

☐ Fracture Treat

☐ New Construction

☐ Plug and Abandon

☐ Plug Back

☐ Production (Start/Resume)

☐ Reclamation

☐ Recomplete

☐ Temporarily Abandon

☐ Water Disposal

☐ Water Shut-Off

☐ Well Integrity

☐ Other

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 recompleat 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 recompleat 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 change the bottom hole location of the Hubbell Gas Com #2S per the attached documents and revised plat.



RECEIVED FOR Directional survey +
BH survey to 20

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

LORRI D. BINGHAM

Title

REGULATORY COMPLIANCE TECH

Date

10/11/06

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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

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.

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

Form C-102
Revised August 15, 2000

2006 OCT 13 AM 11 35
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

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED
REPORT

¹ API Number 30-045-32776	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL
⁴ Property Code 22744	⁵ Property Name HUBBELL GAS COM	⁶ Well Number #2S
⁷ OGRID No. 167067	⁸ Operator Name XTO Energy, Inc.	⁹ Elevation 6025'

¹⁰ Surface Location

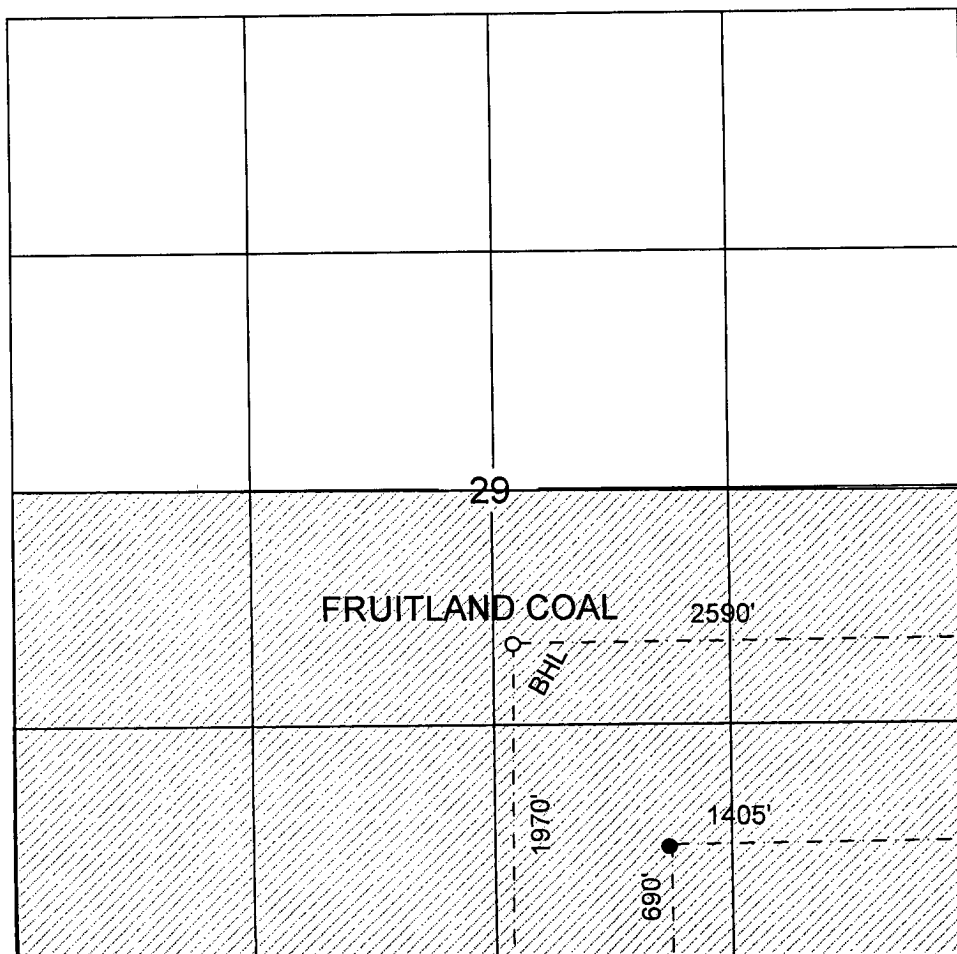
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	29	28N	10W		670'	SOUTH	1895	EAST	SAN JUAN

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
J	29	28N	10W		1970'	SOUTH	2590'	EAST	SAN JUAN

¹² Dedicated Acres FTC: 320 AC: S/2	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



OPERATOR CERTIFICATION

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

Lorri D. Bingham
Signature

Lorri D. Bingham

Printed Name

Regulatory Compliance Tech

Title

10/11/06

Date

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.

10/23/1981

Date of Survey

Original Survey Signed By:

E L POTEET

3084

Certificate Number

XTO ENERGY INC.

Hubbell Gas Com #2S

Sundry Notice

October 11, 2006

Surface Location: 690' FSL x 1405' FEL Sec 29, T28N, R10W

Bottomhole Location: 1970' FSL x 2590' FEL Sec 29, T28N, R10W

County: San Juan Co.

State: New Mexico

GREATEST PROJECTED TVD: 1975'

APPROX GR ELEV: 6025'

GREATEST PROJECTED MD: 3530.1'

Est KB ELEV: 6037' (12' AGL)

OBJECTIVE: Fruitland Coal

1. MUD PROGRAM:

INTERVAL	0' to 225'	225' to TD
HOLE SIZE	12.25"	8.75"/6.125"
MUD TYPE	FW/Spud Mud	FW/Polymer
WEIGHT	8.6-9.0	8.4-8.8
VISCOSITY	28-32	28-32
WATER LOSS	NC	NC

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: 9.625" casing to be set at \pm 225' in a 12-1/4" hole filled with 8.40 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'-225'	225'	36.0#	J-55	ST&C	2020	3520	394	8.921	8.765	20.6	35.8	48.6

Intermediate Casing: 7" casing to be set at \pm 1965' MD, 1900' TVD in a 8.75" hole filled with 8.4 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'-1990'	1990'	20#	J-55	ST&C	2270	3740	234	6.456	6.331	2.735	4.506	5.879

Production Casing: 4.5" casing to be set at \pm 3530' MD, 1975' TVD in 6.125" hole filled with 8.4 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'-3530'	3530'	11.6#	J-55	ST&C	4960	5350	154	4.00	3.875	5.868	6.33	4.091

3. **WELLHEAD:**

- A. Casing Head: WHI QDF System (or equivalent), 9-5/8" x 7", 3,000 psig WP (4,000 psig test) with 9-5/8" 8rnd thread ST&C pin end on bottom and 4-1/2" slips on top.
- B. Tubing Head: WHI W2F (or equivalent), 7.063" nominal, 5,000 psig WP (5,000 psig test), 5-1/2" slip-on or weld-on.

4. **CEMENT PROGRAM (Slurry design may change slightly, but the plan is to circulate cement to surface on both surface and intermediate casing strings):**

- A. Surface: 9.625", 36.0#, J-55, ST&C casing to be set at $\pm 225'$ in 12-1/4" hole.

140 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 177 ft³, 100% excess of calculated annular volume to 225'.

- B. Intermediate: 7", 20#/ft, J-55, ST&C casing to be set at $\pm 1965'$ MD, 1900' TVD in 8.75" hole.

LEAD:

± 135 sx of Premium Lite High Strength FM + 2% bwow Potassium Chloride + 0.5 lbs/sack Cello Flake + 0.5% bwoc FL-52 + 2% bwoc Pheno Seal (Mixed at 12.5 ppg, 2.01 cuft/sk, 10.55 gal water/sk)

TAIL:

100.00 sx Type III Cement + 0.25 lbs/sack Cello Flake + 0.2% bwoc FL-52 + 3% bwoc A-10 + 2% bwoc Pheno Seal (Mixed at 14.2 ppg, 1.54 cuft/sk, 7.51 gal Water/sk)

Total estimated slurry volume for the 7" production casing is 420 ft³.

- C. Production: 4.5", 11.6#/ft, K-55, ST&C casing is to be set at 3530' MD, 1975' TVD in 6.125" hole. A DV/ECP tool will be set @ 2,130' MD with only the stage above the ECP to be cemented.

± 125 sx of Premium Lite High Strength FM + 2% bwow Potassium Chloride + 0.5 lbs/sack Cello Flake + 0.5% bwoc FL-52 + 2% bwoc Pheno Seal (Mixed at 12.5 ppg, 2.01 cuft/sk, 10.55 gal water/sk)

Total estimated slurry volume for the 4 1/2" production casing is 251 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.

6. **FORMATION TOPS:**

Please See Directional Plan for anticipated formation tops.

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

7. **COMPANY PERSONNEL:**

Name	Title	Office Phone	Home Phone
John Egelston	Drilling Engineer	505-564-6734	505-330-6902
Jerry Lacy	Drilling Superintendent	505-566-7917	505-320-6543
Red Meek	Project Geologist	817-885-2800	817-427-2475

JWE
10/11/06

XTO Energy

T28N, R10W

Hubbell Gas Com #2S

Hubbell Gas Com #2S

Hubbell Gas Com #2S Horizontal

Plan: Plan #1 -- Hubbell Gas Com #2S

Standard Planning Report

11 October, 2006



XTO Energy, Inc.
Planning Report



Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: T28N, R10W
Site: Hubbell Gas Com #2S
Well: Hubbell Gas Com #2S
Wellbore: Hubbell Gas Com #2S Horizontal
Design: Plan #1 -- Hubbell Gas Com #2S

Local Co-ordinate Reference: Well Hubbell Gas Com #2S
TVD Reference: Rig KB 2 @ 6037.0ft (AWS #507)
MD Reference: Rig KB 2 @ 6037.0ft (AWS #507)
North Reference: True
Survey Calculation Method: Minimum Curvature

Project	T28N, R10W, San Juan County, New Mexico, Directional Wells in T28N, R10W		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		Using Well Reference Point
Map Zone:	New Mexico West 3003		

Site	Hubbell Gas Com #2S, 690' FSL & 1405' FEL, Sec 29, T28N, R10W				
Site Position:		Northing:	2,047,833.28 ft	Latitude:	36° 37' 40.600 N
From:	Lat/Long	Easting:	476,305.38 ft	Longitude:	107° 54' 50.700 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	-0.05 °

Well	Hubbell Gas Com #2S, Horizontal Fruitland Coal					
Well Position	+N/-S	0.0 ft	Northing:	2,047,833.28 ft	Latitude:	36° 37' 40.600 N
	+E/-W	0.0 ft	Easting:	476,305.38 ft	Longitude:	107° 54' 50.700 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	6,025.0 ft	Ground Level:	6,025.0 ft

Wellbore	Hubbell Gas Com #2S Horizontal				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF200510	10/5/2006	10.50	63.45	51,133

Design	Plan #1 -- Hubbell Gas Com #2S			
Audit Notes:				
Version:	Phase:	PROTOTYPE	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.0	0.0	0.0	317.21

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	317.21	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,534.3	0.00	317.21	1,534.3	0.0	0.0	0.00	0.00	0.00	0.00	
2,226.6	90.00	317.21	1,975.0	323.4	-299.4	13.00	13.00	0.00	317.21	
3,530.1	90.00	317.21	1,975.0	1,280.0	-1,185.0	0.00	0.00	0.00	0.00	Hubbell Gas Com #2S

XTO Energy, Inc.
Planning Report



Database: EDM 2003.14 Single User Db
Company: XTO Energy
Project: T28N, R10W
Site: Hubbell Gas Com #2S
Well: Hubbell Gas Com #2S
Wellbore: Hubbell Gas Com #2S Horizontal
Design: Plan #1 – Hubbell Gas Com #2S

Local Co-ordinate Reference: Well Hubbell Gas Com #2S
TVD Reference: Rig KB 2 @ 6037.0ft (AWS #507)
MD Reference: Rig KB 2 @ 6037.0ft (AWS #507)
North Reference: True
Survey Calculation Method: Minimum Curvature

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	317.21	0.0	0.0	0.0	0.0	0.00	0.00	0.00
225.0	0.00	317.21	225.0	0.0	0.0	0.0	0.00	0.00	0.00
9 5/8"									
918.0	0.00	317.21	918.0	0.0	0.0	0.0	0.00	0.00	0.00
Ojo Alamo SS									
1,057.0	0.00	317.21	1,057.0	0.0	0.0	0.0	0.00	0.00	0.00
Kirtland Shale									
1,490.0	0.00	317.21	1,490.0	0.0	0.0	0.0	0.00	0.00	0.00
Fruitland Formation									
1,534.3	0.00	317.21	1,534.3	0.0	0.0	0.0	0.00	0.00	0.00
1,965.7	56.08	317.21	1,900.0	142.9	-132.3	194.8	13.00	13.00	0.00
7"									
2,035.0	65.09	317.21	1,934.0	187.2	-173.3	255.1	13.00	13.00	0.00
Lower Fruitland Coal									
2,226.6	90.00	317.21	1,975.0	323.4	-299.4	440.7	13.00	13.00	0.00
3,530.0	90.00	317.21	1,975.0	1,279.9	-1,184.9	1,744.2	0.00	0.00	0.00
4-1/2"									
3,530.1	90.00	317.21	1,975.0	1,280.0	-1,185.0	1,744.3	0.00	0.00	0.00
Hubbell Gas Com #2S									

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
Hubbell Gas Com #2S	0.00	0.00	1,975.0	1,280.0	-1,185.0	2,049,114.28	475,121.46	36° 37' 53.258 N	107° 55' 5.239 W
- plan hits target									
- Point									

Casing Points

Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")
225.0	225.0	9 5/8"	9-5/8	12-1/4
1,965.7	1,900.0	7"	7	8-3/4
3,530.0	1,975.0	4-1/2"	4-1/2	6-1/8

Formations

Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
918.0	918.0	Ojo Alamo SS	Sandstone	0.00	
1,057.0	1,057.0	Kirtland Shale	Shale	0.00	
1,490.0	1,490.0	Fruitland Formation		0.00	
2,035.0	1,934.0	Lower Fruitland Coal	Coal	0.00	