

RECEIVED

OCT 30 1992

DIVISION OF  
OIL GAS & MINING

FILE COPY

CH. V - MAPS

LEGEND



GROUND CONTROL POINT



ELEVATION POINT READING



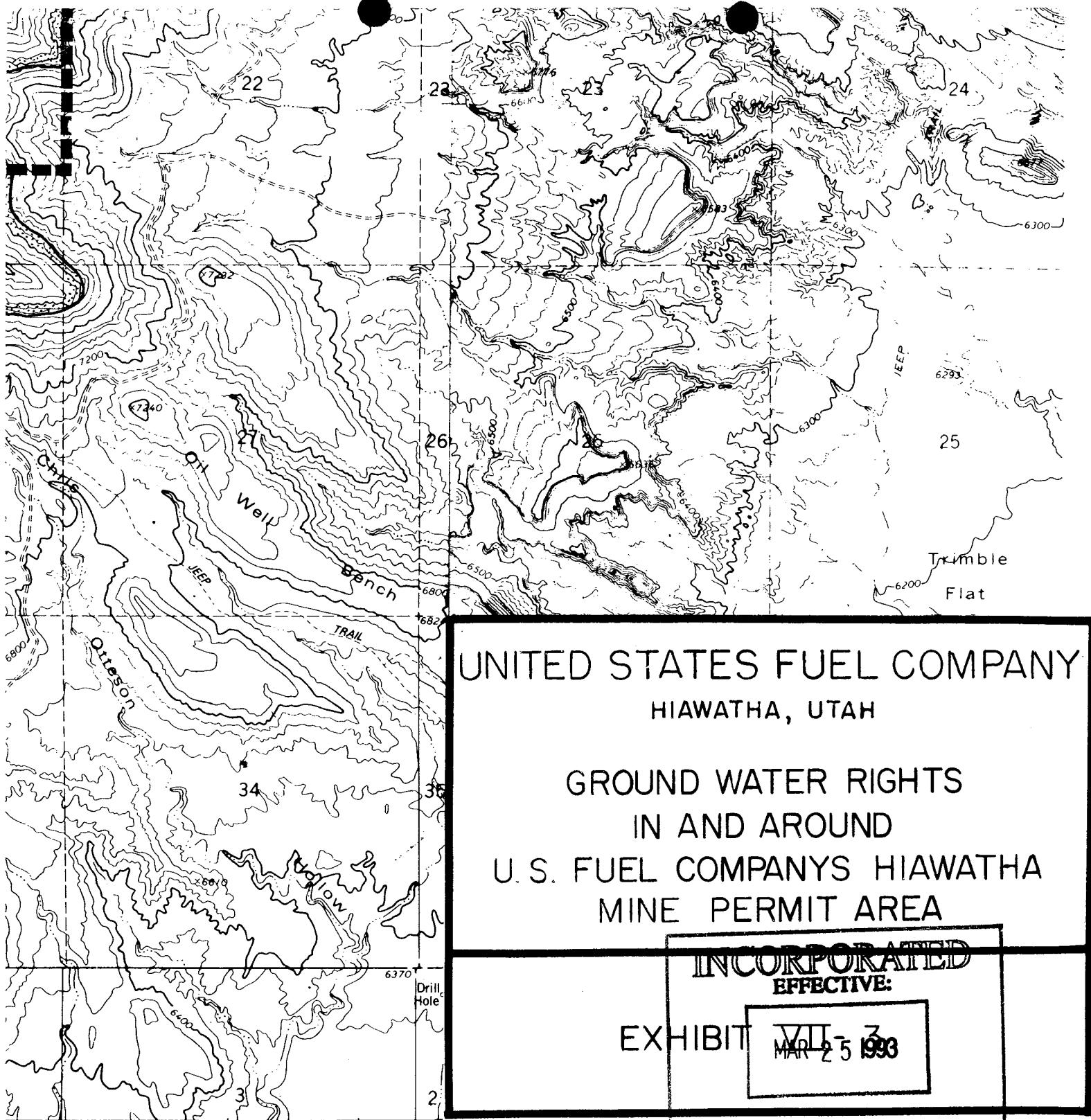
UNITED STATES FUEL COMPANY

KING 4 MINE

SUBSIDENCE MONITORING MAP

SCALE 1" = 500'

EXHIBIT V-3



UNITED STATES FUEL COMPANY  
 HIAWATHA, UTAH

GROUND WATER RIGHTS  
 IN AND AROUND  
 U.S. FUEL COMPANY'S HIAWATHA  
 MINE PERMIT AREA

INCORPORATED  
 EFFECTIVE:

EXHIBIT VII-3  
 MAR 25 1993

UTAH DIVISION OIL, GAS AND MINING

498 ● INTERIOR—GEOLOGICAL SURVEY RESTON VIRGINIA—1978 111  
 499000mE

ROAD CLASSIFICATION

- |                                    |               |                                              |       |
|------------------------------------|---------------|----------------------------------------------|-------|
| Primary highway,<br>hard surface   | —————         | Light-duty road, hard or<br>improved surface | ————— |
| Secondary highway,<br>hard surface | —————         | Unimproved road                              | ----- |
| ○ Interstate Route                 | ○ U. S. Route | ○ State Route                                |       |

(HUNTINGTON)  
 3862 N SW

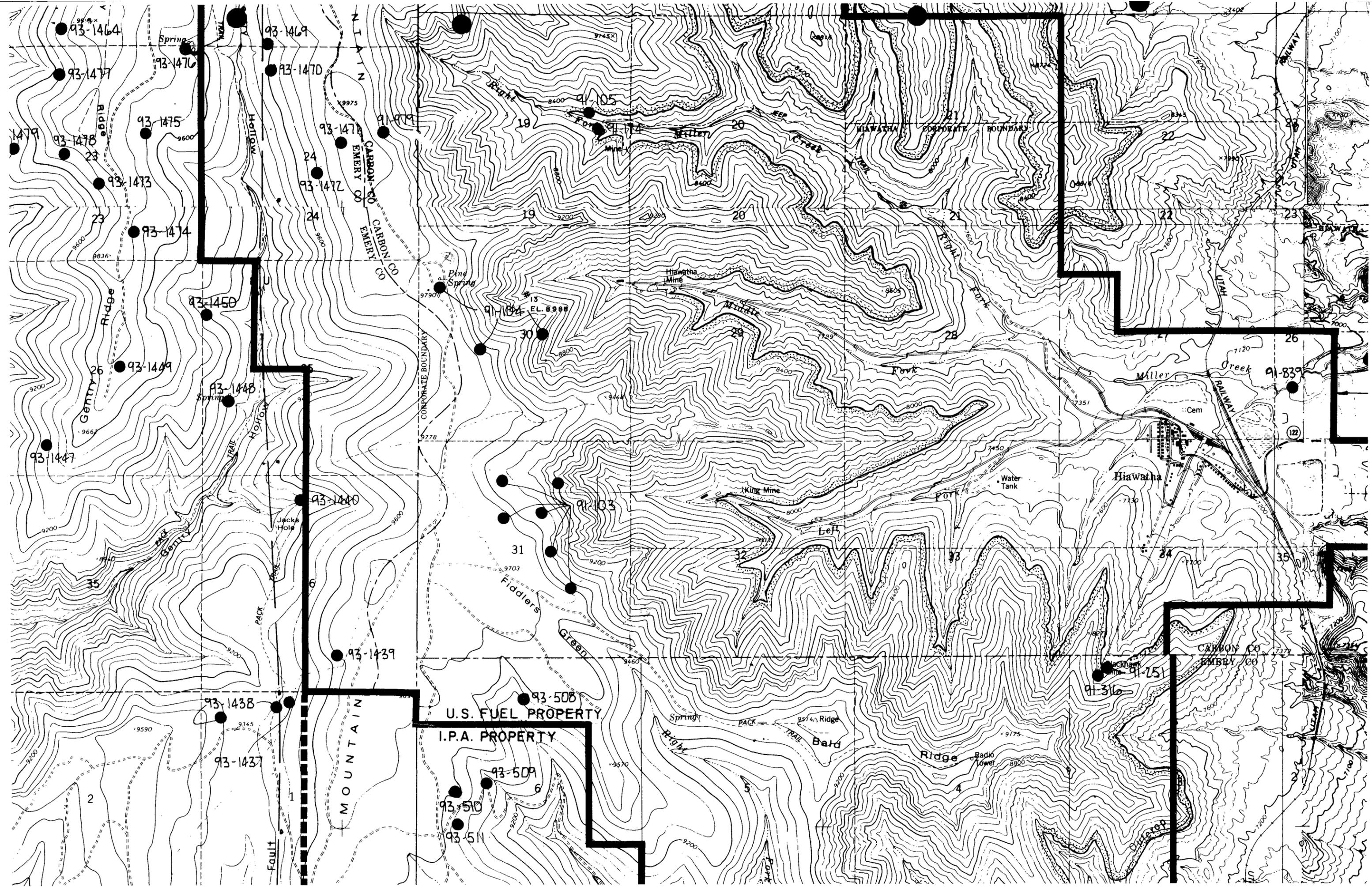
RECEIVED

OCT 30 1992

FILE COPY

CH. VII - MAPS

DIVISION OF  
 OIL GAS & MINING



93-1464

93-1469

93-1477

93-1470

93-1475

93-1471

93-1473

93-1472

93-1474

93-1450

93-1449

93-1448

93-1447

93-1440

93-1439

93-1438

93-1437

93-508

U.S. FUEL PROPERTY

I.P.A. PROPERTY

93-509

93-50

93-51

91-105

91-174

91-104

91-103

91-251

91-316

91-839

MOUNTAIN

Fault

CARBON CO  
EMERY CO  
CARBON CO

CORPORATE BOUNDARY

HIAWATHA CORPORATE BOUNDARY

CARBON CO  
EMERY CO

Spring

Right

PACK

TRAIL

Bald

Ridge

Radio Tower

Spring

Right

PACK

TRAIL

Bald

Ridge

N. 6000

N. 4000

N. 2000

358

359

360

361

362

363

364

365

366

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21

77

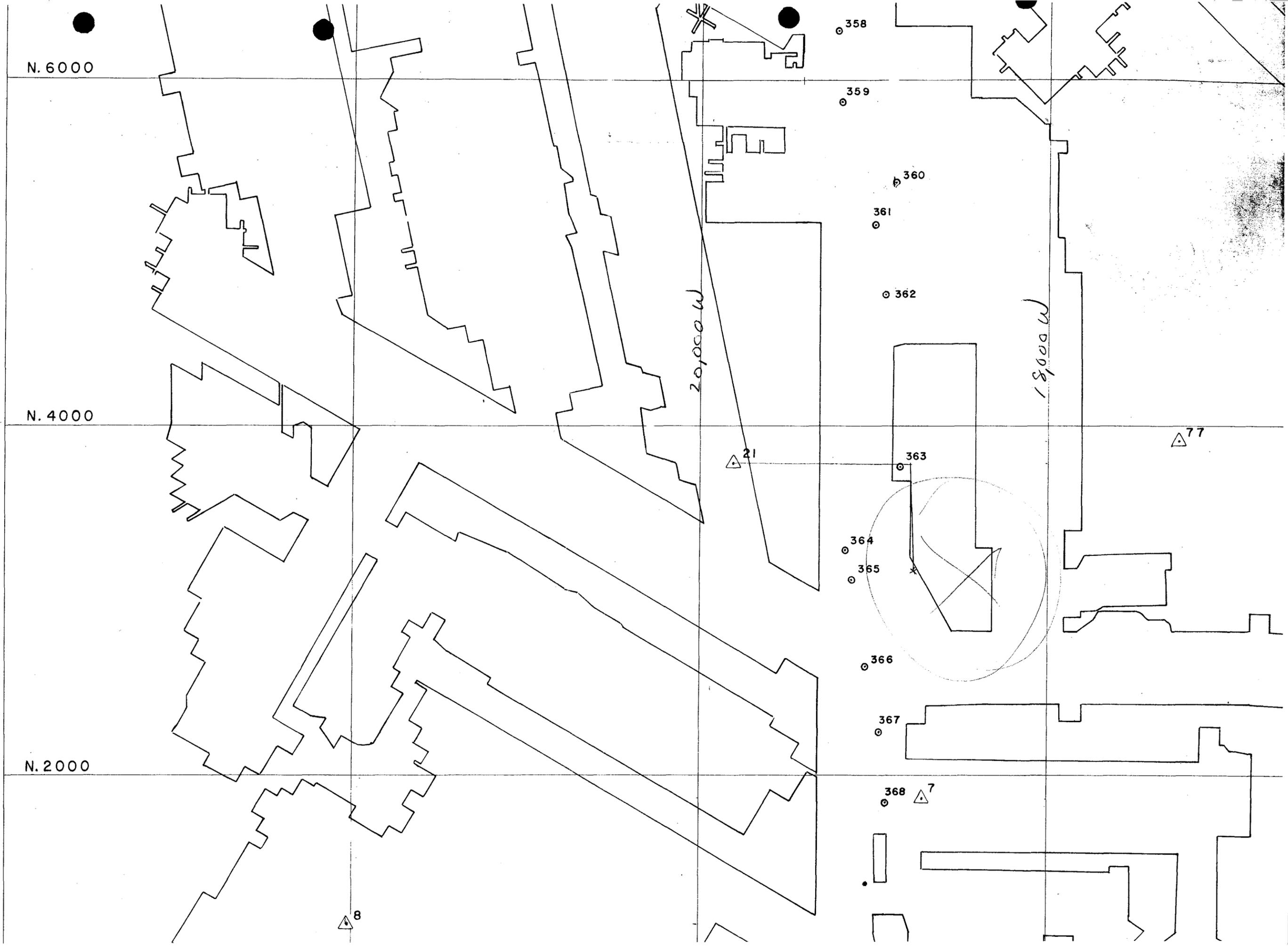
7

8

20,000 W

18,000 W

US Fuel



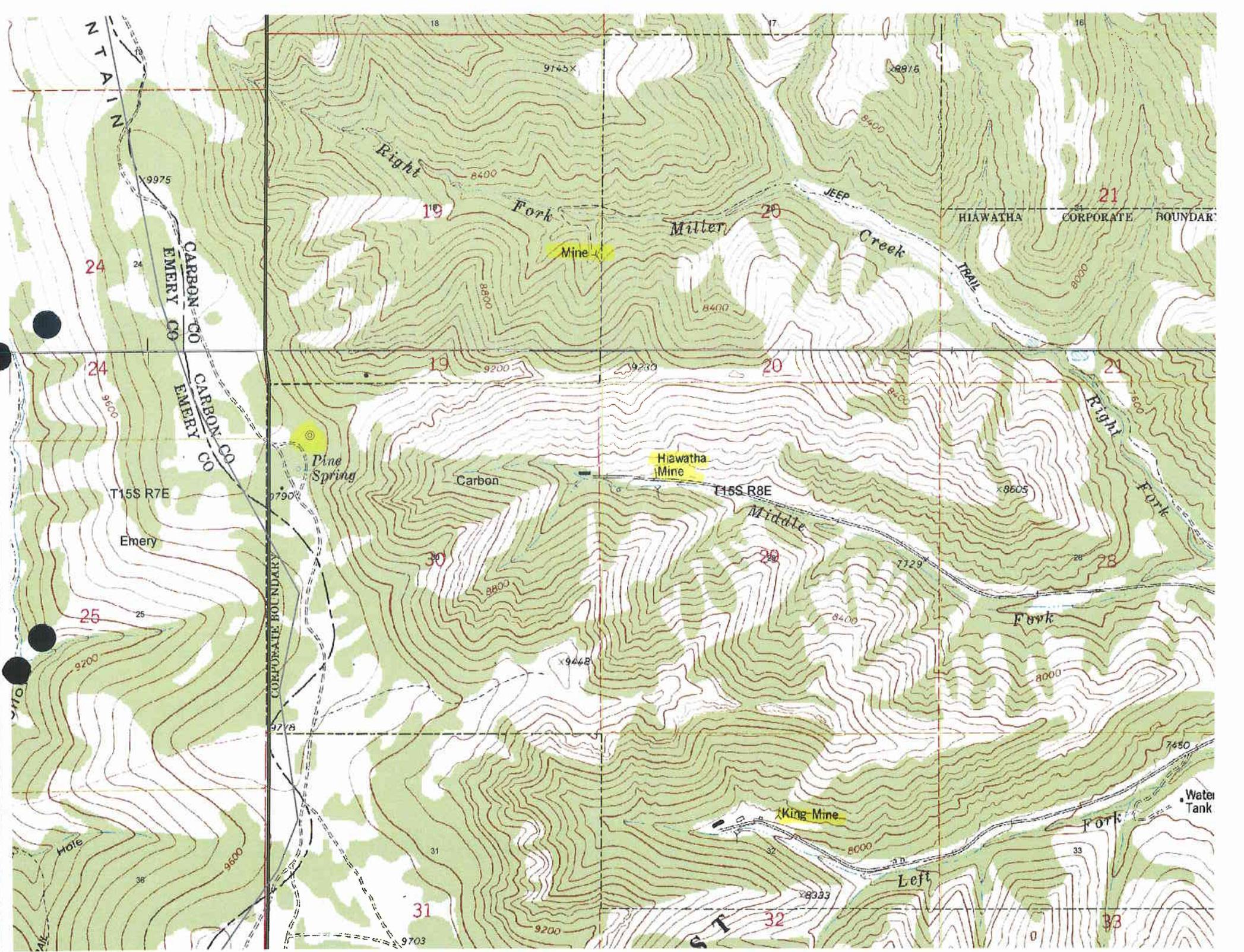
→ Charles or Mark Reynolds

435 687 - 5238

cw mining @ etv.net

~~4~~

Bear Cyn mine currently op.  
Hiawatha Coal Co, current owner (Kingston is parent)  
workings are filled with



STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>				5. MINERAL LEASE NO: <b>FEE</b>	6. SURFACE: Fee
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: N/A	
2. NAME OF OPERATOR: XTO Energy, Inc.				9. WELL NAME and NUMBER: ANR #15-8-30-11	
3. ADDRESS OF OPERATOR: 2700 Farmington Ave. B CITY Farmington STATE NM ZIP 87401			PHONE NUMBER: (505) 324-1090	10. FIELD AND POOL, OR WILDCAT: Ferron Sandstone / <i>Wildcat</i>	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 801' FNL x 683' FWL <i>493598x 39.496487</i> AT PROPOSED PRODUCING ZONE: same <i>4371668y - 111.074459</i>				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 30 15S 8E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 20 miles Northwest of Huntington, UT				12. COUNTY: CARBON	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 684'		16. NUMBER OF ACRES IN LEASE 7224.36		17. NUMBER OF ACRES ASSIGNED TO THIS WELL:	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) none		19. PROPOSED DEPTH: 7,400		20. BOND DESCRIPTION: UTB-000138	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 9824' Ground Elevation		22. APPROXIMATE DATE WORK WILL START: 1/5/2007		23. ESTIMATED DURATION: 2 weeks	

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12.25"	8.625"	J-55	24#	300	Class G	+/- 210 sxs	1.18 ft3/sx	15.7 ppg
7.875"	5.5"	J-55	15.5#	3,560	CBM light wt - lead	+/- 230 sx	4.15 ft3/sx	10.5 ppg
					CBM light wt - tail	+/- 230 sx	4.15 ft3/sx	10.5 ppg

*Did casing  
11/14/07*

**ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- |                                                                                                    |                                                                                              |
|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER     | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN                                   |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Kyla Vaughan TITLE Regulatory Compliance Tech  
SIGNATURE *Kyla Vaughan* DATE 11/14/2006

(This space for State use only)

API NUMBER ASSIGNED: 43-007-31256

APPROVAL:

RECEIVED  
NOV 20 2006

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>				5. MINERAL LEASE NO: <i>FEK</i>	6. SURFACE: Fee
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: N/A	
2. NAME OF OPERATOR: XTO Energy, Inc.				9. WELL NAME and NUMBER: ANR #15-8-30-11	
3. ADDRESS OF OPERATOR: 2700 Farmington Ave. B CITY Farmington STATE NM ZIP 87401			PHONE NUMBER: (505) 324-1090	10. FIELD AND POOL, OR WILDCAT: Ferron Sandstone / <i>Widcat</i>	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 801' FNL x 683' FWL <i>493598x 39.496487</i> AT PROPOSED PRODUCING ZONE: same <i>4371668y - 111.074459</i>				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 30 15S 8E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 20 miles Northwest of Huntington, UT				12. COUNTY: CARBON	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 684'		16. NUMBER OF ACRES IN LEASE 7224.36		17. NUMBER OF ACRES ASSIGNED TO THIS WELL:	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) none		19. PROPOSED DEPTH: 7,400		20. BOND DESCRIPTION: UTB-000138	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 9824' Ground Elevation		22. APPROXIMATE DATE WORK WILL START: 1/5/2007		23. ESTIMATED DURATION: 2 weeks	

24. **PROPOSED CASING AND CEMENTING PROGRAM**

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12.25"	8.625"	J-55	24#	300	Class G	+/- 210 sxs	1.18 ft3/sx	15.7 ppg
7.875"	5.5"	J-55	15.5#	3,560	CBM light wt - lead	+/- 230 sx	4.15 ft3/sx	10.5 ppg
					CBM light wt - tail	+/- 230 sx	4.15 ft3/sx	10.5 ppg

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Kyla Vaughan TITLE Regulatory Compliance Tech  
SIGNATURE *Kyla Vaughan* DATE 11/14/2006

(This space for State use only)

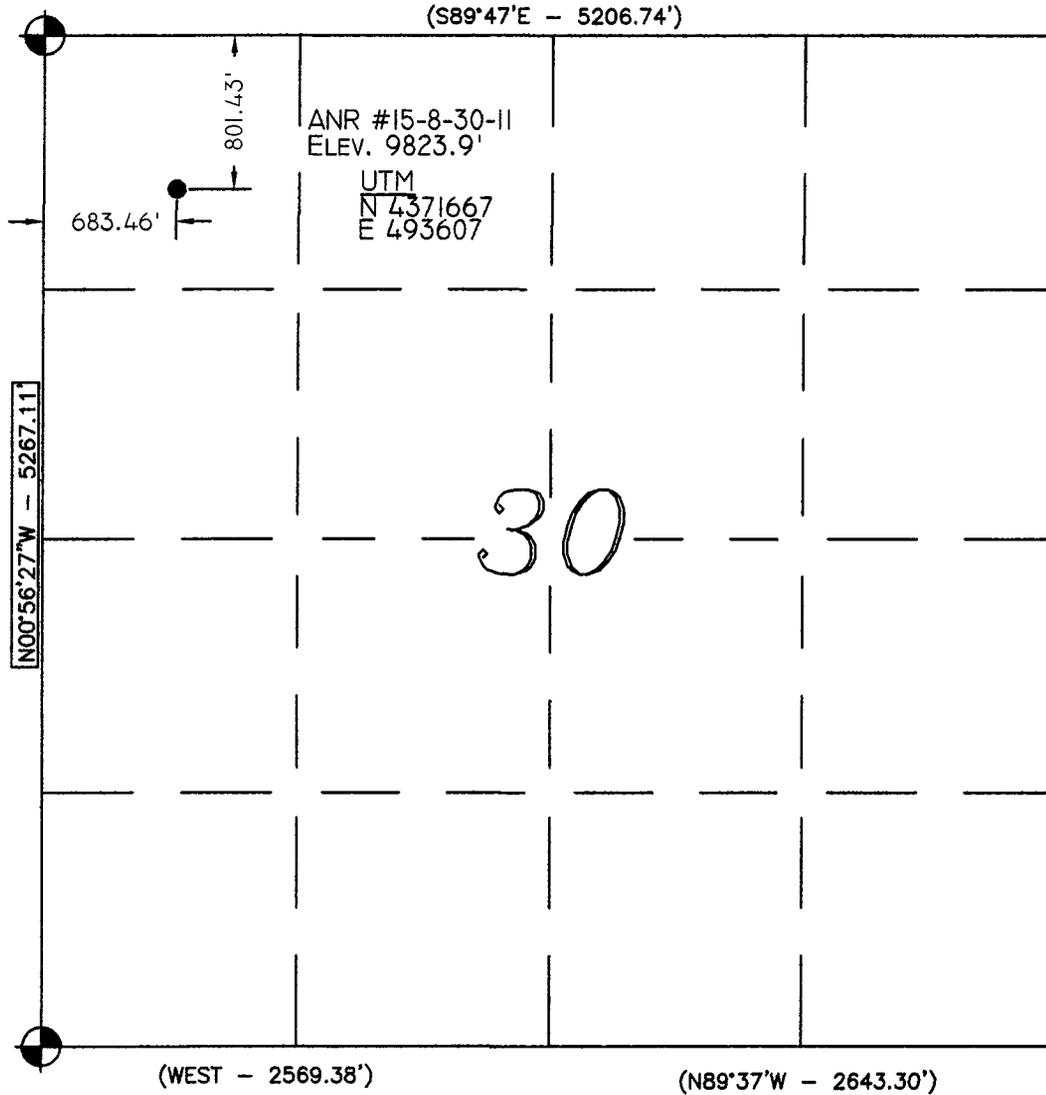
API NUMBER ASSIGNED: 43-007-31256

APPROVAL:

RECEIVED  
NOV 20 2006

# Range 8 East

Township 15 South



ANR #15-8-30-11  
ELEV. 9823.9'

UTM  
N 4371667  
E 493607

30

**Location:**

The well location was determined using a Trimble 5700 GPS survey grade unit.

**Basis of Bearing:**

The Basis of Bearing is GPS Measured.

**GLO Bearing:**

The Bearings indicated are per the recorded plat obtained from the U.S. Land Office.

**Basis of Elevation:**

Basis of Elevation of 9694.0' being at the Southeast Section corner of Section 36, Township 15 South, Range 9 East, Salt Lake Base & Meridian, as shown on the Hiawatha Quadrangle 7.5 Minute Series Map.

**Description of Location:**

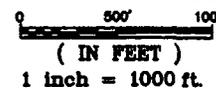
Proposed Drill Hole located in the NW1/4 NW1/4 of Section 30, T15S, R8E, S.L.B.&M., being South 801.43' from the North line and East 683.46' from the West line of Section 30, T15S, R8E, Salt Lake Base & Meridian.

**Surveyor's Certificate:**

I, Albert J. Spensko, a Registered Professional Land Surveyor, holding Certificate 146652 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.



**GRAPHIC SCALE**



**Legend**

- Drill Hole Location
- ⊙ Brass Cap (Found)
- Brass Cap (Searched for, but not found)
- △ Rock Pile
- ( ) GLO

GPS Measured

**NOTES:**

1. UTM and Latitude / Longitude Coordinates are derived using a GPS Pathfinder and are shown in NAD 27 Datum.

LAT / LONG
39°29'47.313" N
111°04'27.659" W



**TALON RESOURCES, INC.**

195 North 100 West P.O. Box 1230  
Huntington, Utah 84528  
Phone (435)687-5310 Fax (435)687-5311  
E-Mail talon@etv.net



ANR #15-8-30-11  
Section 30, T15S, R8E, S.L.B.&M.  
Carbon County, Utah

Drawn By: J. STANSFIELD	Checked By: L.W.J./A.J.S.
Drawing No. A-1	Date: 10/02/06
	Scale: 1" = 1000'
Sheet 1 of 4	Job No. 2594

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/20/2006

API NO. ASSIGNED: 43-007-31256

WELL NAME: ANR 15-8-30-11

OPERATOR: XTO ENERGY INC ( N2615 )

PHONE NUMBER: 505-324-1090

CONTACT: KYLA VAUGHAN

INSPECT LOCATN BY: / /		
<b>Tech Review</b>	<b>Initials</b>	<b>Date</b>
Engineering	DND	8/13/07
Geology		
Surface		

PROPOSED LOCATION:

NWNW 30 150S 080E  
 SURFACE: 0801 FNL 0683 FWL  
 BOTTOM: 0801 FNL 0683 FWL  
 COUNTY: CARBON  
 LATITUDE: 39.49649 LONGITUDE: -111.0745  
 UTM SURF EASTINGS: 493598 NORTHINGS: 4371668  
 FIELD NAME: WILDCAT ( 1 )

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

SURFACE OWNER: 4 - Fee

PROPOSED FORMATION: FRSD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. 104312762 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: 12/07/2006 )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

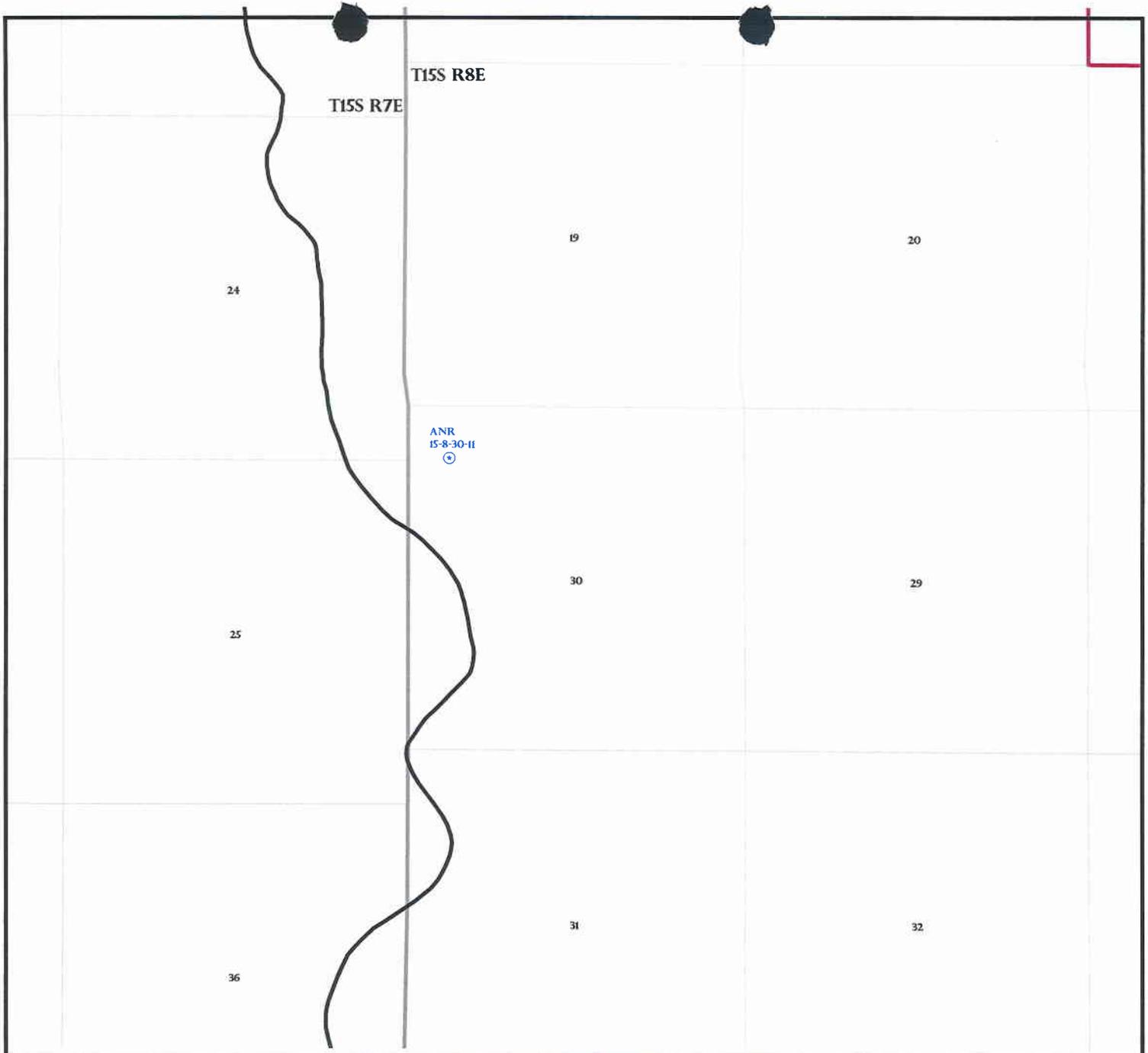
- R649-2-3.
- Unit: \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS:

Needs Pres to (05-22-07)

STIPULATIONS:

1- Spacing Strip  
2- STATEMENT OF BASIS



OPERATOR: XTO ENERGY INC (N2615)

SEC: 30 T.15S R. 8E

FIELD: WILDCAT (001)

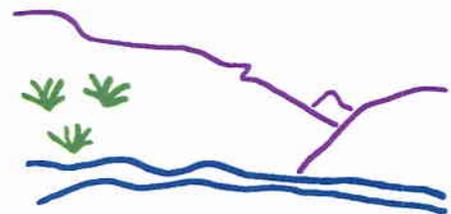
COUNTY: CARBON

SPACING: R649-3-2 / GENERAL SITING

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

- Unit Status**
- EXPLORATORY
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PENDING
  - PI OIL
  - PP GAS
  - PP GEOTHERML
  - PP OIL
  - SECONDARY
  - TERMINATED

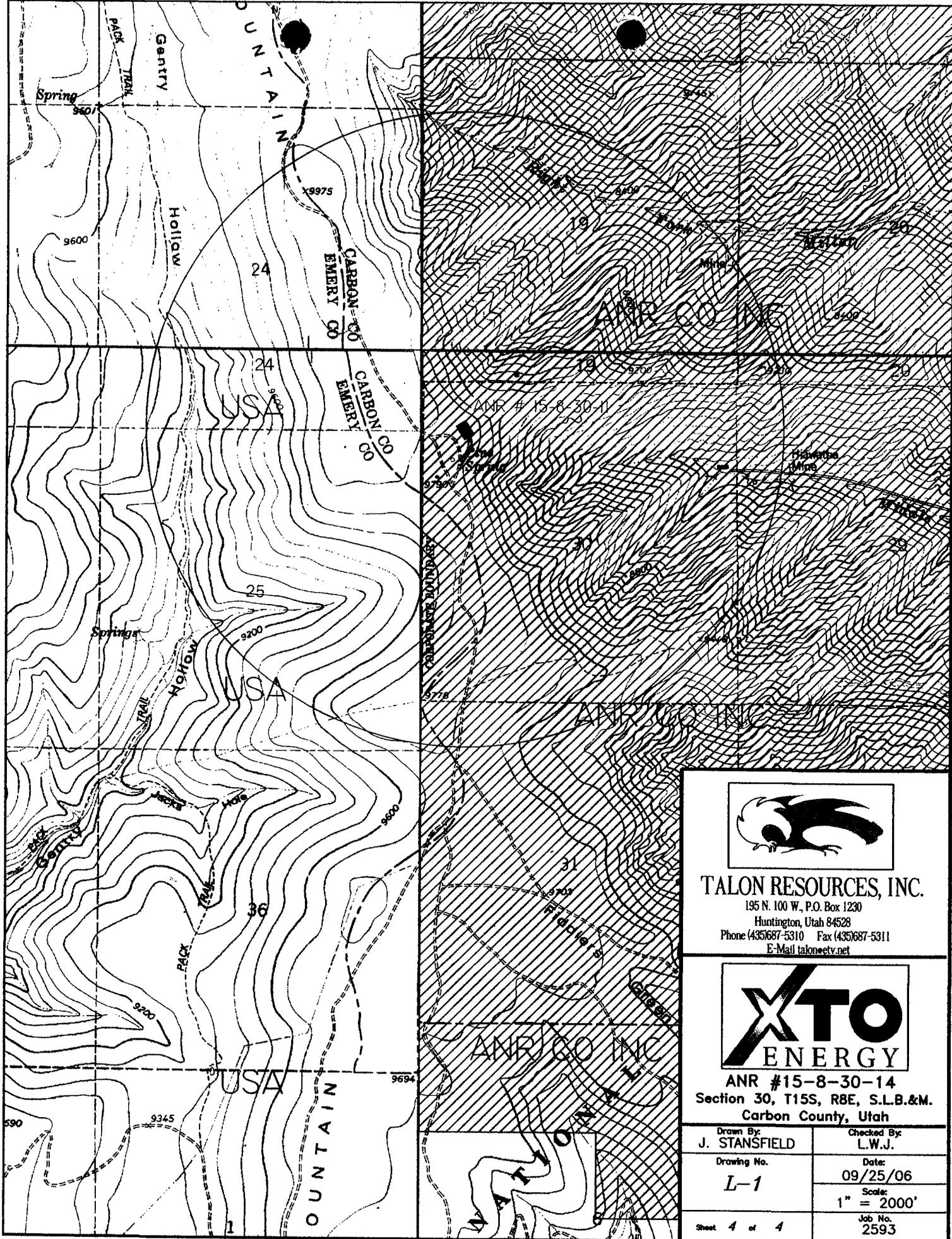
- Wells Status**
- GAS INJECTION
  - GAS STORAGE
  - LOCATION ABANDONED
  - NEW LOCATION
  - PLUGGED & ABANDONED
  - PRODUCING GAS
  - PRODUCING OIL
  - SHUT-IN GAS
  - SHUT-IN OIL
  - TEMP. ABANDONED
  - TEST WELL
  - WATER INJECTION
  - WATER SUPPLY
  - WATER DISPOSAL
  - DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON  
DATE: 22-NOVEMBER-2006



**TALON RESOURCES, INC.**

195 N. 100 W., P.O. Box 1230

Huntington, Utah 84528

Phone (435)687-5310 Fax (435)687-5311

E-Mail talon@etv.net



**ANR #15-8-30-14**

**Section 30, T15S, R8E, S.L.B.&M.  
Carbon County, Utah**

Drawn By: <b>J. STANSFIELD</b>	Checked By: <b>L.W.J.</b>
Drawing No. <b>L-1</b>	Date: <b>09/25/06</b>
	Scale: <b>1" = 2000'</b>
Sheet <b>4</b> of <b>4</b>	Job No. <b>2593</b>

**EXHIBIT B**

Casing Schematic

Surface

12%  
18%

BHP  $0.052(7415)8.6 = 3316 \text{ psi}$   
anticipate 1500 psi

Gas  $.12(7415) = 890$   
 $3316 - 890 = 2426 \text{ psi}$

Wet  $.22(7415) = 1631$   
 $3316 - 1631 = 1685 \text{ psi}$

BOPE 2M

Burst 3070

70% 2149 psi

11-3/4"  
MW 8.4  
Frac 19.3

Max P@ surf. shoe  
 $.22(5215) = 1147$   
 $3316 - 1147 = 2169 \text{ psi}$

Test to 2649 psi

✓ Adequate  
DRO 8/13/07

5-1/2"  
MW 8.6

TOC @ 84.

TOC @ 46.

to surf w/16% w/o  
to surf w/11% w/o  
Mancoos/Upper Bluegate?

1730' Hiawatha seam

2005' Upper Bluegate Sh

Surface  
2200. MD

3390' Emery SS

4925' Lower Bluegate Sh.

6890' Upper Ferron SS

7020' Coal Zone

7115' Lower Ferron SS

Production  
7415. MD

Well name:

2007-08 XTO ST of UT 16-8-31-13

Operator: XTO Energy, Inc.

String type: Surface

Project ID:

43-015-30719

Location: Emery County

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 96 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 150 ft

Cement top: 46 ft

**Burst**

Max anticipated surface pressure: 1,936 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 2,200 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on air weight.  
Neutral point: 1,926 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 7,415 ft  
Next mud weight: 8.600 ppg  
Next setting BHP: 3,313 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 2,200 ft  
Injection pressure: 2,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2200	11.75	47.00	J-55	ST&C	2200	2200	10.875	1451.9

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	960	1510	1.573	2200	3070	1.40	103	477	4.61 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Minerals

Phone: 801-538-5357  
FAX: 801-359-3940

Date: August 13, 2007  
Salt Lake City, Utah

**ENGINEERING STIPULATIONS:**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:

**2007-08 XTO ST of UT 16-8-31-13**

Operator: **XTO Energy, Inc.**

String type: **Production**

Project ID:

**43-015-30719**

Location: **Emery County**

**Design parameters:**

**Collapse**

Mud weight: 8.600 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 169 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 368 ft

Cement top: 84 ft

**Burst**

Max anticipated surface pressure: 1,681 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 3,313 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

**Non-directional string.**

Tension is based on air weight.  
Neutral point: 6,448 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	7415	5.5	17.00	J-55	LT&C	7415	7415	4.767	967.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3313	4910	1.482	3313	5320	1.61	126	247	1.96 J

Prepared by: Helen Sadik-Macdonald  
Div of Oil, Gas & Minerals

Phone: 801-538-5357  
FAX: 801-359-3940

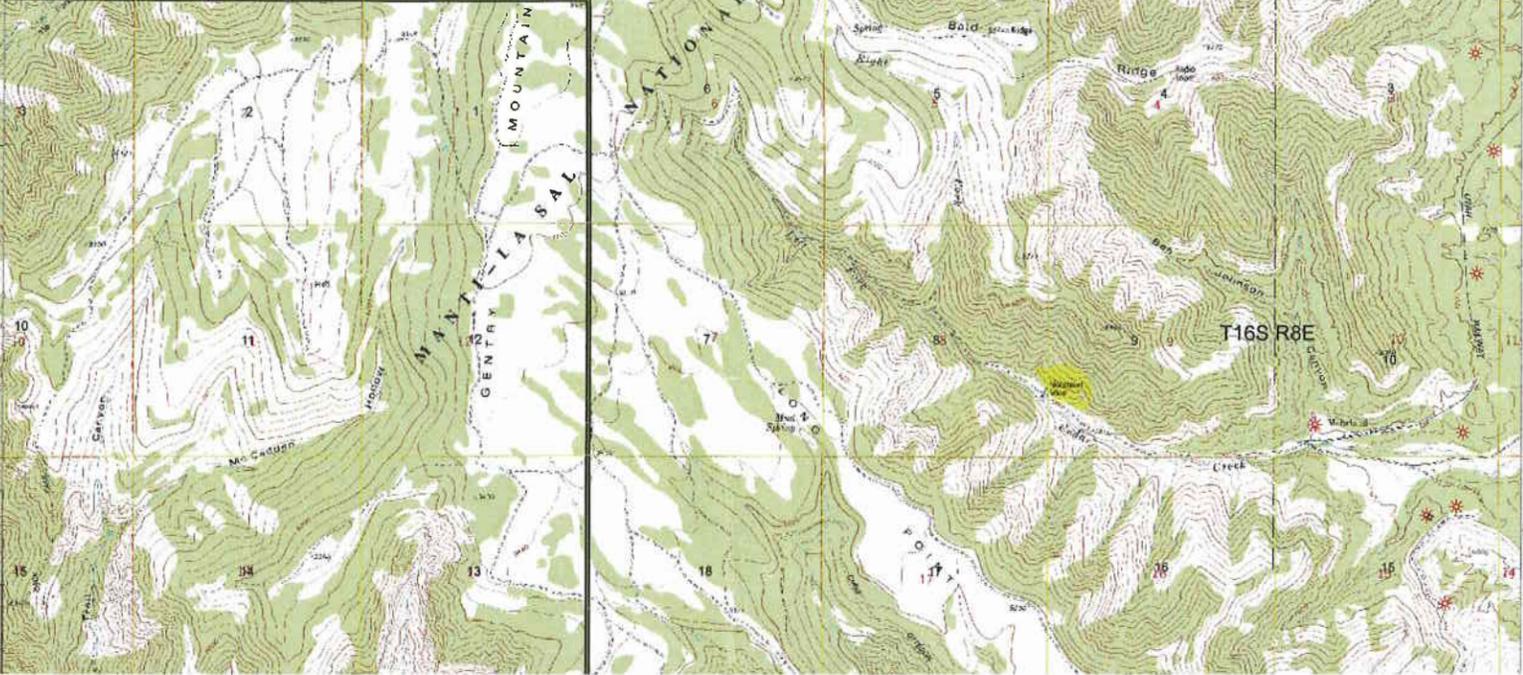
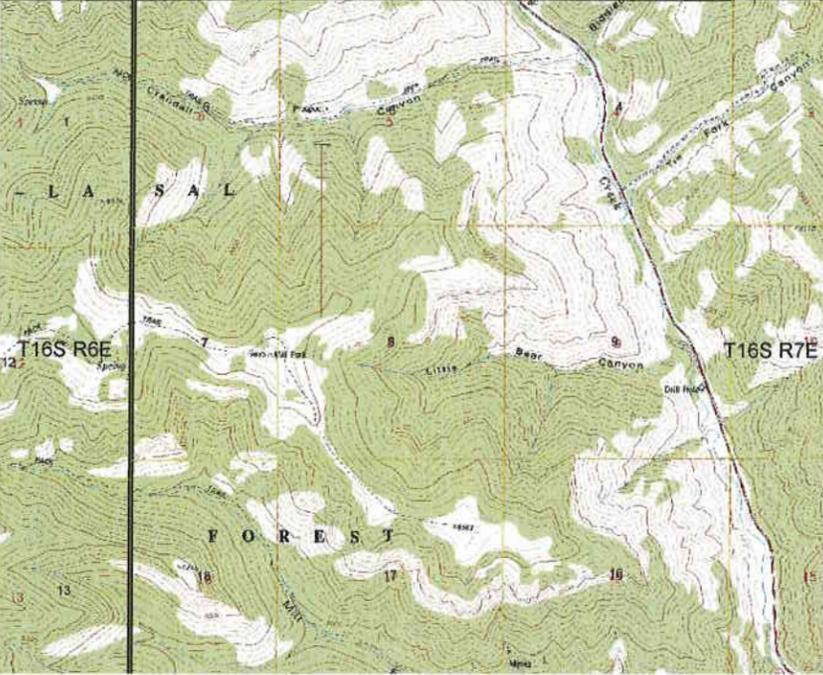
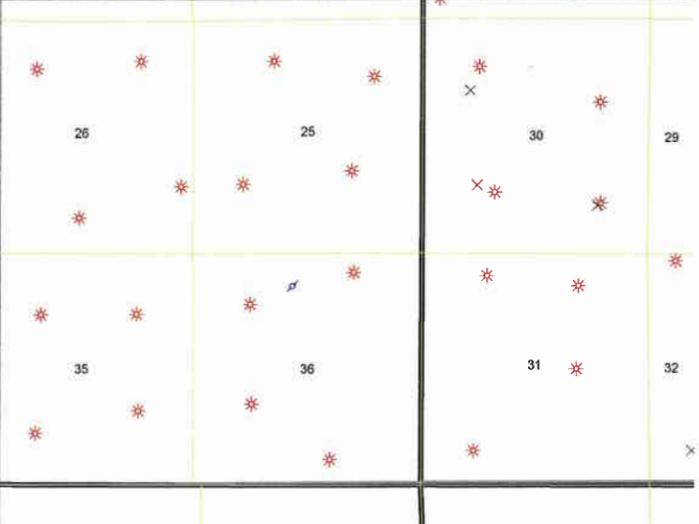
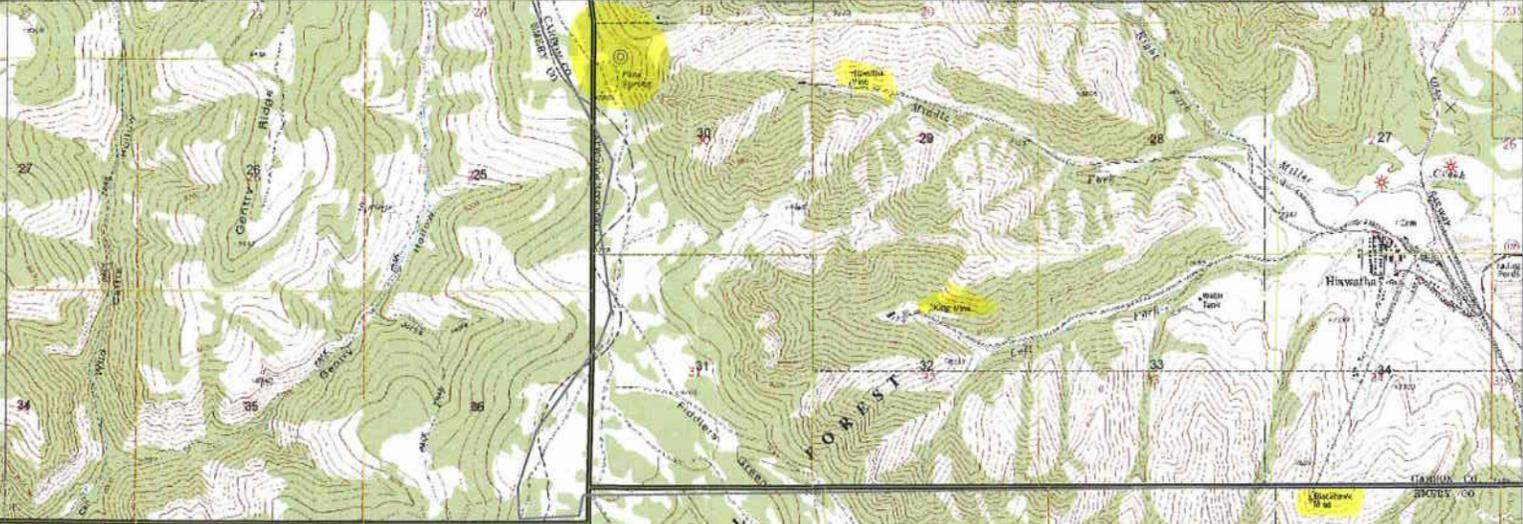
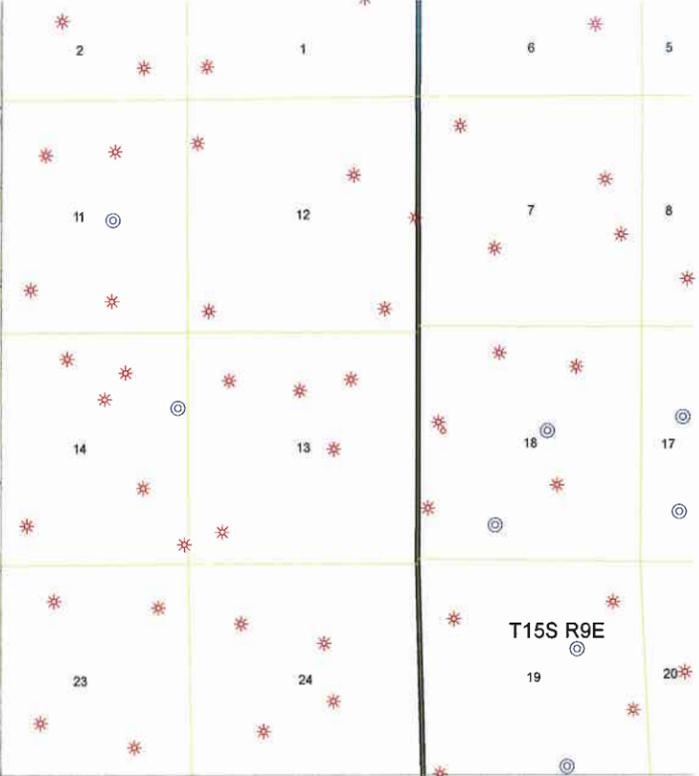
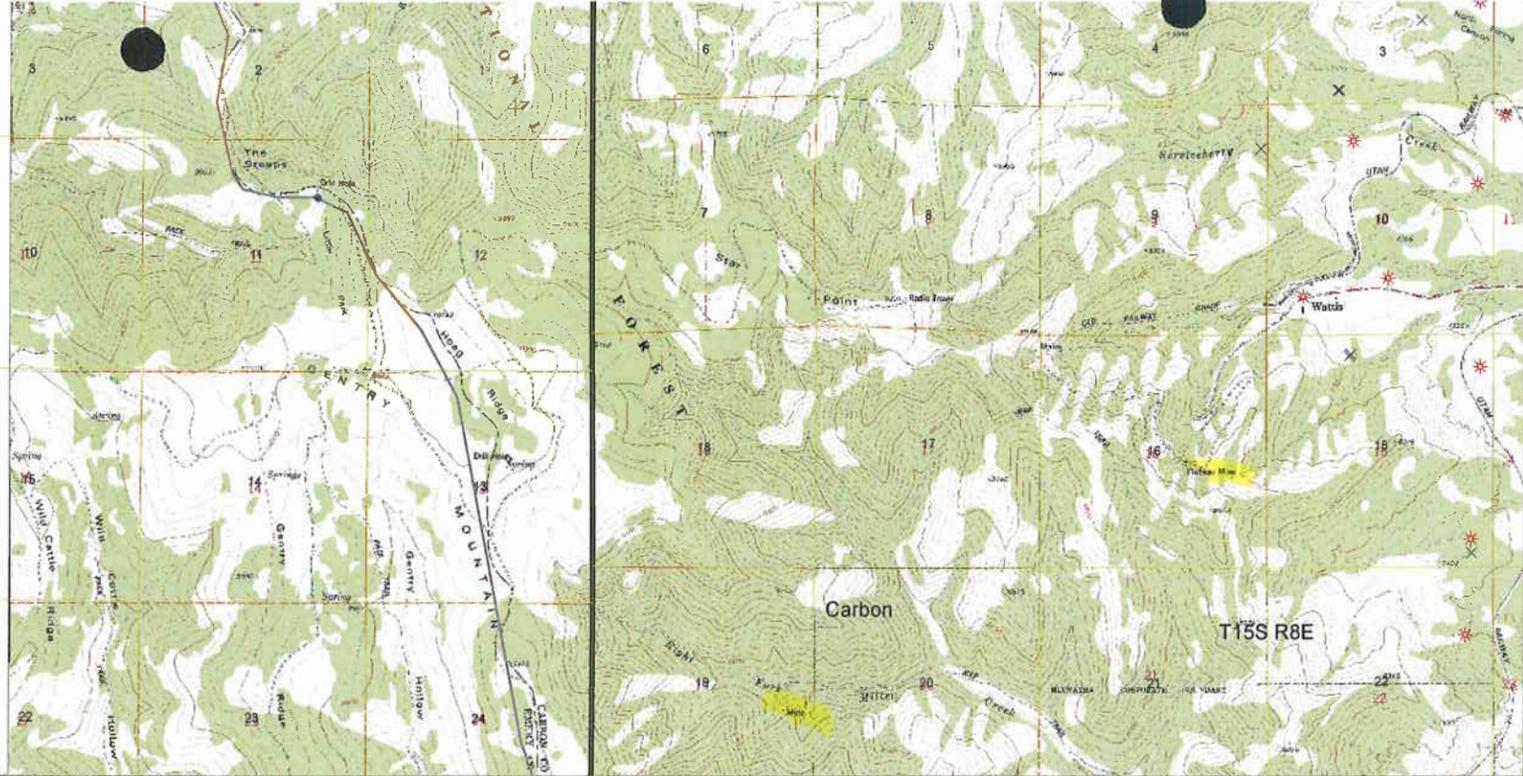
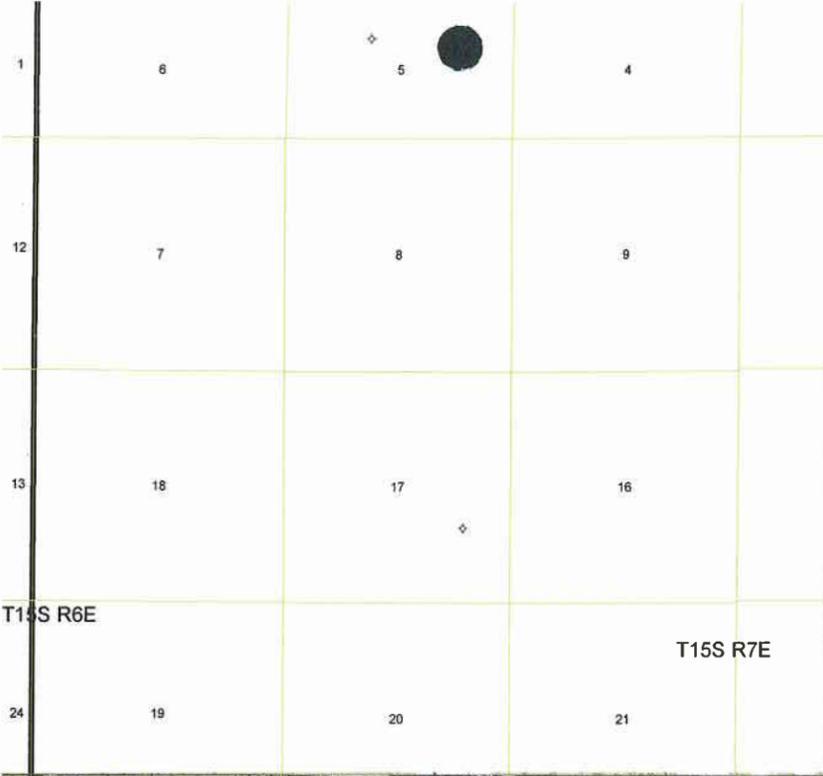
Date: August 13, 2007  
Salt Lake City, Utah

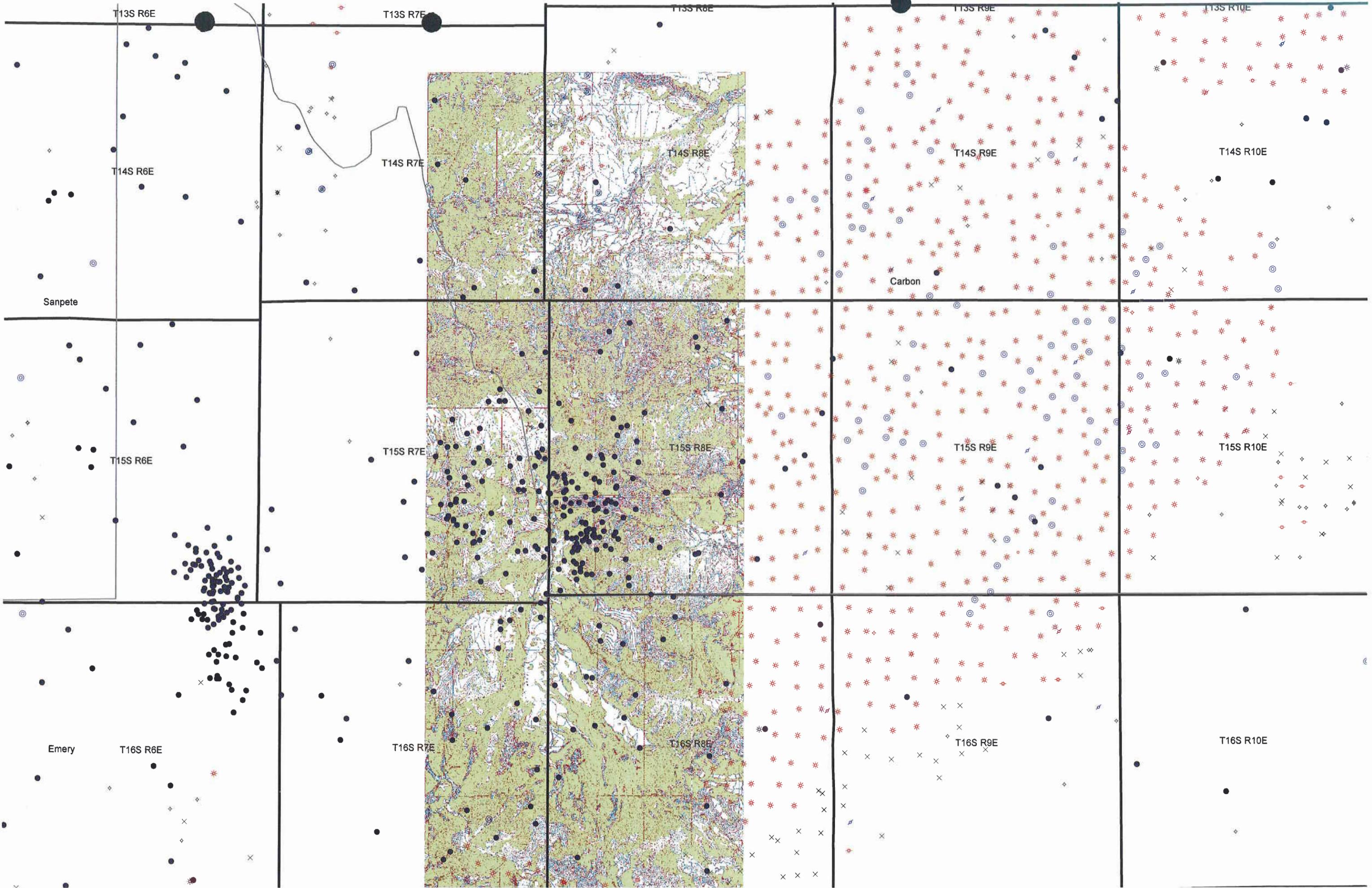
**ENGINEERING STIPULATIONS:**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

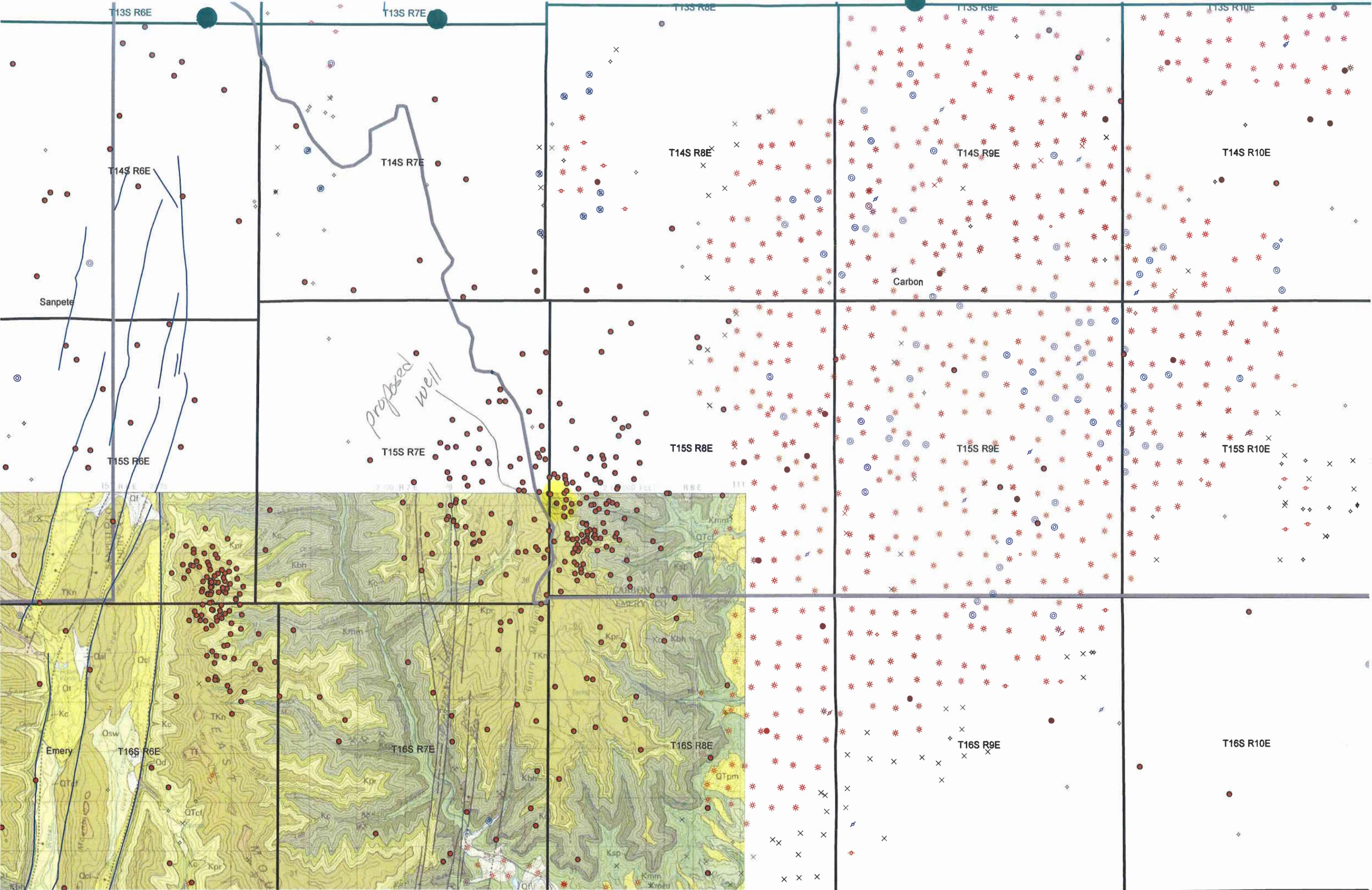
Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*









**STATE ACTIONS**  
**Resource Development Coordinating Committee**  
**Public Lands Policy Coordination Office**  
**5110 State Office Building**  
**SLC, UT 84114**  
**Phone No. 537-9230**

<b>1. State Agency</b> Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	<b>2. Approximate date project will start:</b>  Upon Approval or December 6, 2006
<b>3. Title of proposed action:</b> Application for Permit to Drill	
<b>4. Description of Project:</b>  XTO Energy, Inc. proposes to drill the ANR 15-8-30-11 well (wildcat) on a Fee lease, Carbon County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.	
<b>5. Location and detailed map of land affected (site location map required, electronic GIS map preferred)</b> (include UTM coordinates where possible) <b>(indicate county)</b> 801' FNL 683' FWL, NW/4 NW/4, Section 30, Township 15 South, Range 8 East, Carbon County, Utah	
<b>6. Possible significant impacts likely to occur:</b> Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres – not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.	
<b>7. Identify local government affected</b> a. Has the government been contacted? No. b. When? c. What was the response? d. If no response, how is the local government(s) likely to be impacted?	
<b>8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable:</b> a. Has the representative and senator been contacted? N/A	
<b>9. Areawide clearinghouse(s) receiving state action:</b> (to be sent out by agency in block 1) Southeastern Utah Association of Governments	
<b>10. For further information, contact:</b>    <b>Diana Whitney</b> <b>Phone:</b> (801) 538-5312	<b>11. Signature and title of authorized officer</b>    Gil Hunt, Associate Director <b>Date:</b> November 22, 2006

**From:** Robert Clark  
**To:** Mason, Diana  
**Date:** 11/27/2006 11:12 AM  
**Subject:** RDCC short turn around response

**CC:** "CarolynWRIGHT@Utah.gov".mime.MNET; Mcneill, Dave

The following comments are provided in response to short turn around item **RDCC #7320**.

**RDCC #7320, Comments begin:** The XTO Energy, Inc. proposed well drilling project, in Carbon County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm).

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm).

**Comments end.**

Robert Clark  
Division of Air Quality  
801-536-4435

**From:** Carolyn Wright  
**To:** Mason, Diana  
**Date:** 11/28/2006 8:27 AM  
**Subject:** Fwd: RDCC short turn around response

FYI

>>> "Robert Clark" <[raclark@utah.gov](mailto:raclark@utah.gov)> 11/27/2006 11:11 AM >>>

The following comments are provided in response to short turn around item RDCC #7320.

RDCC #7320, Comments begin: The XTO Energy, Inc. proposed well drilling project, in Carbon County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at [www.rules.utah.gov/publicat/code/r307/r307.htm](http://www.rules.utah.gov/publicat/code/r307/r307.htm).

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Robert Clark  
Division of Air Quality  
801-536-4435

**From:** Dustin Doucet  
**To:** John\_Egelston@xtoenergy.com  
**Date:** 05/30/2007 4:47 PM  
**Subject:** Drilling program for ANR 15-8-30-11

**CC:** Kierst, Chris

John,

As a follow up to our discussions yesterday and today, I have looked a little closer at the referenced APD and it looks like we will need some more information. First, there are three rules that cover the aspect of multiple mineral development. They are:

R649-3-27 Multiple Mineral Development - <http://www.rules.utah.gov/publicat/code/r649/r649-003.htm#T27>

R649-3-29 Workable Coalbeds - <http://www.rules.utah.gov/publicat/code/r649/r649-003.htm#T29>

R649-3-30 Underground Mining Operations - <http://www.rules.utah.gov/publicat/code/r649/r649-003.htm#T30>

In talking with the mining side of the Division they stated the Hiawatha Mine was currently abandoned but that there were plans on reopening the mine in the near future. From the plats we got from them, this well will go right into the middle of the old mine workings. As the rules state above you will have to supply the owner(s) with a copy of the APD, the Division with the name of the owner(s) of the mine workings and should get a cooperative agreement in place with regards to the potential multiple mineral development. The last thing we want is for the casing to get sheared by a longwall and ignite the well and mine. We want to make sure that all parties involved know what is going on, where the well is and mitigate any potential problems up front. Take a look at the rules above and let me know if there is any problem adhering to the requirements above. You can contact DOGM's mining people to get more information on the owners, area, workings etc. Contact Pam Grubaugh-Littig at 801.538.5268.

With the fact that the well is going to penetrate a workable coal bed, the alternate drilling/casing program discussed this morning will be necessary in this case (11 3/4" csg set at 300 to 600', underream and set 8 5/8" below the coal bed [~ 2000' or so] and cement in two stages, then DO to TD and set production csg). The drilling program for this well does not consider this option at all. It only has 8 5/8" set at 300' and 5 1/2" at 7415'. An amended APD cover with the corrected casing/cement program should be submitted as well as a new drilling program that includes the casing/cement as well as the complete geologic prognosis (the original APD does not include the expected depths of the upper strata). You should describe what you are trying to accomplish by the casing program you are submitting as we had discussed this morning (i.e. set casing 200' below mine workings and cement in two stages etc...). As discussed, there may be a need to isolate potential water flows in the Emery. This should also be addressed in the drilling program. We need to also make sure the wellbore is structurally sound and isolated from the subsidence that has occurred and will probably continue to occur should mining continue. I think the casing program above will probably give us that added protection we need.

Because of the depth of this mineable coalbed in this area, it will probably be necessary to use the casing program listed above in most, if not all of the higher elevation wells similar to this well. I know you were submitting several more wells in this area. You may want to take a look at them again and see if there are changes that need to be made based on the information in this email before submitting them. In addition to the workable coalbeds, we are also concerned with protecting the fresh groundwater resources in the upper sands. Another potential reason for the intermediate string. If you have questions or concerns, let me know. I have copied this to Chris Kierst who is our groundwater/geology expert in the area. He may have more questions for you or if you have questions for him you can contact him directly as well. Let me know of any questions. Thanks.

Dustin

Dustin K. Doucet  
Petroleum Engineer  
Utah Division of Oil, Gas and Mining  
Oil and Gas Program  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84116

Phone: (801) 538-5281  
fax: (801) 359-3940  
email: dustindoucet@utah.gov

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 2700 Farmington, Bldg K-1 CITY Farmington STATE NM ZIP 87401		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 801' FNL x 683' FWL		8. WELL NAME and NUMBER: ANR #15-8-30-11
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 30 15S 8E S		9. API NUMBER:
COUNTY: CARBON		10. FIELD AND POOL, OR WILDCAT: FERRON SANDSTONE
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input checked="" type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached revised drilling program.

NAME (PLEASE PRINT) <u>Kyla Vaughan</u>	TITLE <u>REGULATORY COMPLIANCE</u>
SIGNATURE	DATE <u>6/5/2007</u>

(This space for State use only)

**RECEIVED**  
**JUN 11 2007**  
DIV. OF OIL, GAS & MINING

Once Recorded Please Return To:  
David E. Kingston  
3212 South State Street  
Salt Lake City, Utah 84115

**MEMORANDUM OF SURFACE USE AND DAMAGE AGREEMENT**

KNOW ALL MEN BY THESE PRESENTS:

That **ANR Co. Inc.**, a Utah Corporation, whose address is 3212 South State Street, Salt Lake City, Utah, 84115-3825, ("**Grantor**") and **XTO Energy Inc.**, a Delaware Corporation, whose address is 810 Houston Street, Fort Worth, TX 76012-6298 ("**Grantee**") have entered into a Surface Use and Damage Agreement dated effective as of the 5th day of April, 2007 ("**Agreement**").

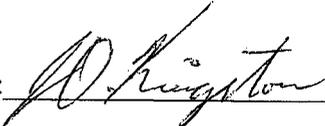
The Agreement, which is unrecorded and may be found in the files of Grantor and Grantee, is adopted herein and made a part hereof by reference to the same full extent as if all its provisions were copied in full in this Memorandum.

Pursuant to the terms of the Agreement, Grantor grants to Grantee and all of its parent, subsidiary, or other affiliated companies, their agents, employees and others authorized by them a nonexclusive private right of way upon and across Grantor's property located in the Northwest quarter of the Northwest quarter of Section 30, Township 15 South, Range 8 East, S.L.B.&M., Carbon County, Utah, in the location as approximately shown on **Exhibit A**, attached hereto and made a part hereof, for roads, gathering system pipelines, transmission pipelines, power lines, appurtenances, valves, metering equipment, cathodic protection, wires, conduits, cables, and associated facilities, related to its Operations ("**Property**"), for the purpose of access to and from mineral leases and rights it owns and operates underlying and in the vicinity of the Property ("**Leases**"), maintenance and operation of the Leases, production from the Leases and other purposes related to conducting oil and gas operations related to the Leases.

This Memorandum shall be binding on and inure to the benefit of Grantor and Grantee, their respective heirs, administrators, successors and assigns.

The parties hereto have executed this Memorandum as of the dates of the respective acknowledgements.

**GRANTOR.**  
**ANR CO. Inc.**  
A Utah Corporation

By: 

J.O. Kingston,

President

**GRANTEE:**  
**XTO ENERGY INC.,**  
A Delaware corporation

By: 

Edwin S. Ryan, Jr.

DCF

Senior Vice President -- Land Administration

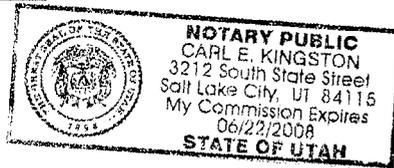
State of Utah }  
 }  
County of Salt Lake }

I, the undersigned authority, a Notary Public in and for said County in said State, hereby certify that J.O. Kingston, whose name as President of ANR Co. Inc., is signed to the foregoing Memorandum of Surface Use And Damage Agreement, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, as authorized agent and with full authority, executed the same voluntarily and as the act of said corporation.

Given under my hand and official seal, this the 2 day of May, 2007.

Carl E. Kingston  
Notary Public

My Commission Expires \_\_\_\_\_



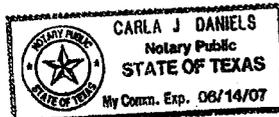
State of Texas }  
 }  
County of Tarrant }

I, the undersigned authority, a Notary Public in and for said County in said State, hereby certify that Edwin S. Ryan, Jr., whose name as Senior Vice President – Land Administration of XTO Energy Inc., is signed to the foregoing Memorandum of Surface Use And Damage Agreement, and who is known to me, acknowledged before me on this day that, being informed of the contents of the instrument, he, as authorized agent and with full authority, executed the same voluntarily and as the act of said corporation.

Given under my hand and official seal, this the 5th day of April, 2007.

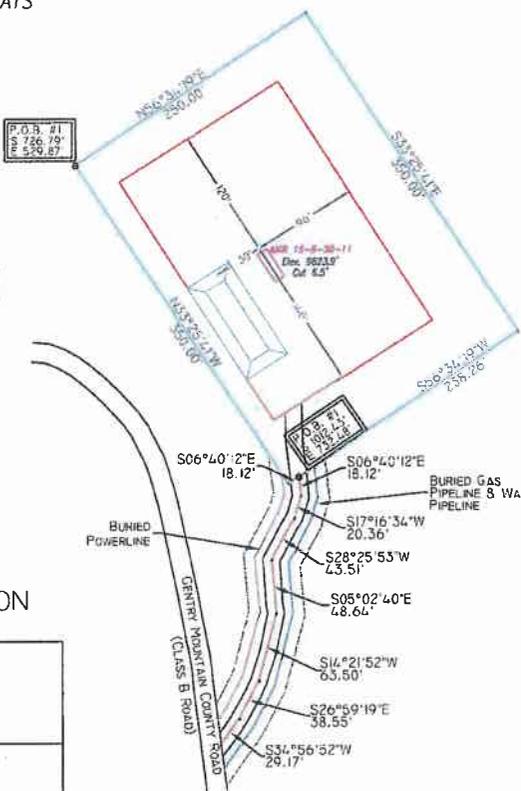
Carla Daniels  
Notary Public

My Commission Expires 6/14/07

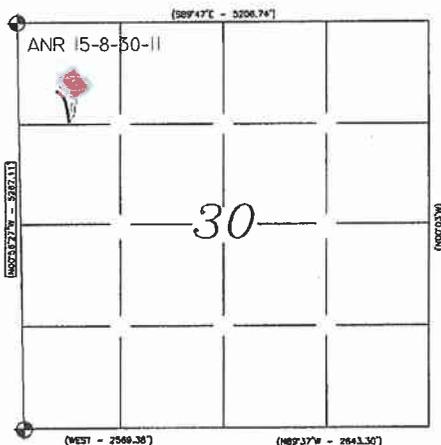


THE FOLLOWING DESCRIBED RIGHT-OF-WAYS  
ARE LOCATED IN CARBON COUNTY  
STATE OF UTAH  
SECTIONS 30, T15S, R8E, S.L.B.&M.

ANR 15-8-30-II



APPROXIMATE LOCATION

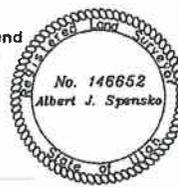


R.O.W. WIDTH  
A 50' RIGHT-OF-WAY 25' \_\_\_\_\_  
BEING 25' ON EACH SIDE 25' \_\_\_\_\_  
OF DESCRIBED CENTERLINE.

P.O.B. #1  
A PARCEL OF LAND AROUND THE WELL SITE LOCATION ANR 15-8-30-II LOCATED IN THE NW/4 OF THE NW/4, OF SECTION 30, T15S, R8E, SALT LAKE BASE AND MERIDIAN, CARBON COUNTY, UTAH. BEGINNING AT A POINT BEING 726.79' SOUTH, AND 529.87' EAST OF THE NORTHWEST SECTION CORNER OF SAID SECTION 30; THENCE RUNNING N56°34'19\"E, 250.00'; THENCE S33°25'41\"E, 350.00'; THENCE S56°34'19\"W, 238.26'; TO A POINT THE INTERSECTION OF THE PROPOSED ROW; THENCE S56°34'19\"W, 11.74'; THENCE N33°25'41\"W, 350.00' TO THE POINT OF BEGINNING. CONTAINING 2.0 ACRES

P.O.B. #2  
A 50' R.O.W., LOCATED IN THE NW/4 OF THE NW/4 OF SECTION 30, T15S, R8E, S.L.B.&M., CARBON COUNTY, UTAH. BEING 25' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE: BEGINNING AT A POINT LOCATED 1012.43' SOUTH, AND 732.48' EAST FROM THE NORTHWEST CORNER OF SAID SECTION 30; THENCE S06°40'12\"E, 18.12'; THENCE S17°16'34\"W, 20.36'; THENCE S28°25'53\"W, 43.51'; THENCE S05°02'40\"E, 48.64'; THENCE S14°21'52\"W, 63.50'; THENCE S26°59'19\"W, 38.55'; THENCE S34°56'54\"W, 29.17' MORE OR LESS TO THE EDGE OF EXISTING CARBON COUNTY ROAD GENTRY MOUNTAIN ROAD. LENGTH = 261.85' (15.870 RODS) 0.30 ACRES

*Surveyor's Certificate:*  
I, Albert J. Spensko, a Registered Professional Land Surveyor, holding Certificate 146652 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.



Talon Resources, Inc.  
195 North 100 West  
P.O. Box 1220  
Huntington, Utah 84526  
Phone (435)687-5310  
Fax (435)687-5311

REVISIONS	
DATE:	BY:
12-29-06	JAS

SECTION 30, T15S, R8E,  
CARBON COUNTY, UTAH, S.L.B.&M.

DRAWN BY: J. STANSFIELD	CHECKED BY: LWJ / AJS
DRAWING: XTO-2594	DATE: 11/21/06
JOB NUMBER: 2594	SHEET: 1 OF 1

EXHIBIT "A"

NOTES:  
1. BASIS OF BEARING IS DERIVED FROM G.P.S., USING A TRIMBLE 5700 SURVEY GRADE UNIT.

Prepared For:  
XTO ENERGY  
Surface Use (ANR)  
Prepared By:  
Talon Resources, Inc

DESTINATION OF DOCUMENT		
Company / Agency	Office Location	Submission Date
ANR		
XTO Energy		

## Application for Permit to Drill Surface Use Plan

Company: XTO Energy, Inc  
Well No: ANR 15-8-30-11  
Location: 801' FNL & 683' FWL, Section 30, T15S, R8E

### Thirteen Point Surface Use Plan

The dirt contractor will be provided an approved copy of the surface use plan of operations before starting construction.

#### 1. Existing Roads

- a. Proposed route to location: The proposed route to location is shown on Exhibit "A" and is from the Hiawatha Quadrangle 7.5 minute series USGS quadrangle map.
- b. Location of proposed well in relation to town or other reference point: From Huntington, Utah, go East on Hwy 10 for 1.4 miles and turn West on Emery Co road #302. Go 9.3 miles and turn West at the "Tee" by the railroad tracks and go 4.2 miles. Turn right at the "Y" and proceed 2.7 miles to location.
- c. Contact the County Road Department for use of County Roads: A county permit will be obtained for improvement of existing county roads.
- d. Plans for improvement and/or maintenance of existing roads: All existing roads within 1 mile of the drill site are shown on Exhibit "B". All roads that will be used to the well location will be maintained to their current conditions or better.
- e. Other Comments: None

#### 2. Planned Access Roads

- a. Location of Access Road: Starting from a point along an existing road in the NW/4 of Section 30, T15S, R8E.
- b. Length of New Road: 30' of road will need to be constructed to access this location.
- c. Length of Existing Road to Upgrade: Approximately 6.9 miles of additional upgrades should be necessary to existing oilfield service roads. Upgrades should begin at the "Tee" at the railroad tracks and continue to location.
- d. Maximum Disturbed Width: Typically new access roads require up to 60' of disturbed width which includes ROW for gas and water pipe lines and electric service.
- e. Travel Width of Access Road: 25' or less.

- f. **Maximum Grade after Construction:** Maximum grades will not exceed 10% after construction.
- g. **Turnouts Planned:** No Turnouts are planned at this time.
- h. **Surface Materials:** Only native materials will be used if additional construction is required. If necessary, gravel or rock may be purchased and used to improve road conditions and travel.
- i. **Drainage (crowning, ditching, culverts, etc.):** Roads will be re-crowned and bar ditches, if necessary, will be located on either side. 18"-24" culverts will be installed as necessary.
- j. **Cattle Guards:** No cattle guards are planned at this time. If necessary, cattle guards will be specified in the stipulations.
- k. **Length of new and/or existing roads which lie outside the lease or unit boundary for which a BLM/State/Fee right of way is required:** None.
- l. **Other:**
  - i. Surface disturbance and vehicular travel will be limited to the approved location and access road. Any additional area needed must be approved by the State of Utah in Advance.
  - ii. If a right-of-way is necessary, no surface disturbing activities shall take place on the subject right-of-way until the associated APD is approved. The holder will adhere to conditions of approval in the Surface Use Program of the approved APD, relevant to any right-of-way facilities.
  - iii. If a right-of-way is secured, boundary adjustments in the lease or unit shall automatically amend this right-of-way to include that portion of the facility no longer contained within the lease or unit. In the event of an automatic amendment to this right-of-way grant, the prior on-lease/unit conditions of approval of this facility will not be affected even though they would now apply to facilities outside of the lease/unit as a result of the boundary adjustment. Rental fees, if appropriate, shall be recalculated based on the conditions of this grant and the regulations in effect at the time of an automatic amendment.
  - iv. If at any time the facilities located on public lands authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change) the State of Utah will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental, or other financial obligations determined by the State of Utah.
  - v. If the well is not productive, the access road will be rehabilitated or brought to Resource (Class II) Road Standards within 60 days of dismantling the rig. If upgraded, the access road must be maintained at these standards until the well is properly abandoned. If this time frame cannot be met, the Field Office Manager will be notified so that temporary drainage control can be installed along the access road.

3. Location of Existing Wells:

- a. On a map, show the location of all water, injection, disposal, producing and drilling wells within a one mile radius of the proposed well, and describe the status of each:  
See Exhibit "B".

4. Location of Production Facilities:

- a. On-Site facilities: Typical on-site facilities will consist of a wellhead, gas flow line, water flow line, artificial lifting system (pumping unit), 2 phase separator, gas measurement, water measurement, electronics, a heated enclosure/building for weather and environmental protection and chemical injection equipment (as required). All production and measurement shall conform to the provisions of 43 CFR § 3162.7 and Onshore Oil and Gas Order No. 4, if applicable.
- b. All permanent (in place for six months or longer) structures constructed or installed on the well site location will be painted a flat, non reflective color to match the standard environmental colors, as specified by the COA's in the APD. All facilities will be painted within six months of installation. Facilities required complying with the Occupational Safety and Health Act (OSHA) may be excluded.
- c. Off-site facilities: Off-site facilities are located at the CDP station and include compression, processing, separation, tanks, pits, electronics, and produced water disposal (SWD) well.
- d. Pipelines: The well will be produced into gas and water pipelines (sizes to be determined) and transported to existing pipelines. Pipeline will follow access road. See Exhibit "A" for the proposed access/pipeline route.
- e. Power lines: Power lines are located underground in the same ROW as the water and gas pipelines.

5. Location and Type of Water Supply:

- a. All water required for drilling will be purchased from local municipal water supply. If possible, currently produced coal well water may also be used after receiving any necessary permits. Water will be trucked to location by a third party trucking company who specializes in water hauling.
- b. Water obtained on private land, or land administered by another agency, will require approval from the owner or agency for use of land.

6. Source of Construction Material:

- a. Pad construction material will be obtained from (if the source is Federally owned, show location on a map): All construction material will be purchased from private land owners or from a commercial gravel/materials pit. The use of materials will conform to 43 CFR § 3610.2-3, if applicable.

- b. The use of materials under State of Utah jurisdiction will conform to 43CFR § 3610.2-3, if applicable.

7. Methods of Handling Waste Disposal:

- a. Describe the methods and locations proposed for safe containment and disposal of waste material, e.g. cuttings, produced water, garbage, sewage, chemicals, etc. The reserve pit will be located along the edge and within the boundaries of the designated well pad. The walls of the pit will be sloped at no greater than 2 to 1 and will be lined with a synthetic material of approximately 12 mills in thickness. The reserve pit shall be located in cut material, with at least 50% of the pit volume being below original ground level. Three sides of the pit will be fenced before drilling starts. The fourth side will be fenced as soon as drilling is completed, and shall remain until the pit is dry. The amount of time the pit may remain open will typically be specified by the COA's. Once dry, the liner will be cut and removed at the mud line and the pit will be covered and buried in place.
- b. Trash must be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than the completion of drilling operations.
- c. Sewage from trailers and chemical portable toilets will be removed on a regular basis by a third party contractor and disposed of at an authorized sanitary waste facility.
- d. Any and all chemicals used during the drilling and completion of the well will be kept to a minimum and stored within the boundaries of the well pad. The third party chemical contractor will be responsible for containment and clean-up and removal of all spilled chemicals on location.

8. Ancillary Facilities:

- a. No ancillary facilities will be required during the drilling or completion of the well.

9. Well Site Layout:

- a. Depict the pit, rig, cut and fill, topsoil, etc. on a plat with a scale of at least 1"=50'. See Exhibit "C" & "D".
- b. All equipment and vehicles that will be used to drill and complete this well will remain within the boundaries of the approved well pad. Any equipment and or vehicles parked or stored off the location will be considered trespassing on federal lands and will NOT be tolerated.
- c. Materials obtained from the construction of the location, like topsoil and vegetation will be stock piled as indicated and permitted by the approved APD. The stock piles themselves may be outside the approved boundaries of the well pad.

10. Plans for Restoration of the Surface:

- a. The top 6 inches of topsoil material will be removed from the location and stockpiled separately on Adjacent Land or as specified by the approved APD.
- b. Topsoil along the access road will be reserved in place adjacent to the road.

- c. Within 30-45 days after completion of well, all equipment that is not necessary for production shall be removed.
- d. The reserve pit and that portion of the location not needed for production will be reclaimed 90-120 days after completion of the well.
- e. Before any dirt work to restore the location takes place, the reserve pit must be ready for burial.
- f. All road surfacing will be removed prior to the rehabilitation of roads.
- g. Reclaimed roads will have the berms and cuts reduced and will be closed to vehicle use.
- h. All disturbed areas will be re-contoured to replicate the natural slope.
- i. The stockpiled topsoil will be evenly distributed over the disturbed area.
- j. Prior to reseeding, all disturbed areas, including the access road, will be scarified and left with a rough surface.
- k. Seed will broadcast or drilled between September and November, or at a time specified by the BLM and or state. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.
- l. The following seed mixture will be used: As specified conditions of approval.
- m. If necessary, an abandonment marker will be one of the following, as specified by the State of Utah:
  - i. At least four feet above ground level,
  - ii. At restored ground level, or
  - iii. Below ground level.
  - iv. In any case the marker shall be inscribed with the following: operator name, lease number, well name and description (township, section, and either quarter-quarter or footages).
- n. Additional requirements: None

11. Surface and Mineral Ownership:

The Surface is owned by ANR Co. Inc., a Utah Corporation and the minerals are leased by XTO Energy. Surface Use Agreement will be submitted in the near future.

12. Other Information:

- a. Archeological Concerns: An approved contractor will submit the appropriate reports to the agency as required. Special stipulations will be included in the COA's of the approved APD.

14. Lessee's or Operator's Representatives and Certification:

a. Permitting and Compliance:

Kyla Vaughan  
Regulatory Compliance  
XTO Energy Inc.  
2700 Farmington Avenue, Bldg K, Ste 1  
Farmington, NM 87401  
505-324-1090

b. Drilling and Completions:

John Egelston  
XTO Energy Inc.  
2700 Farmington Avenue, Bldg K, Ste 1  
Farmington, NM 87401  
505-324-1090

c. Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by XTO Energy Inc. and its contractors and subcontractors in conformity with this APD package and the terms and conditions under which it is approved. I also certify responsibility for the operations conducted on that portion of the leased lands associated with this application, with bond coverage being provided by XTO Energy Inc. This statement is subject to provisions of 18 U.S.C. § 1001 for the filing of a false statement.

Signature: \_\_\_\_\_

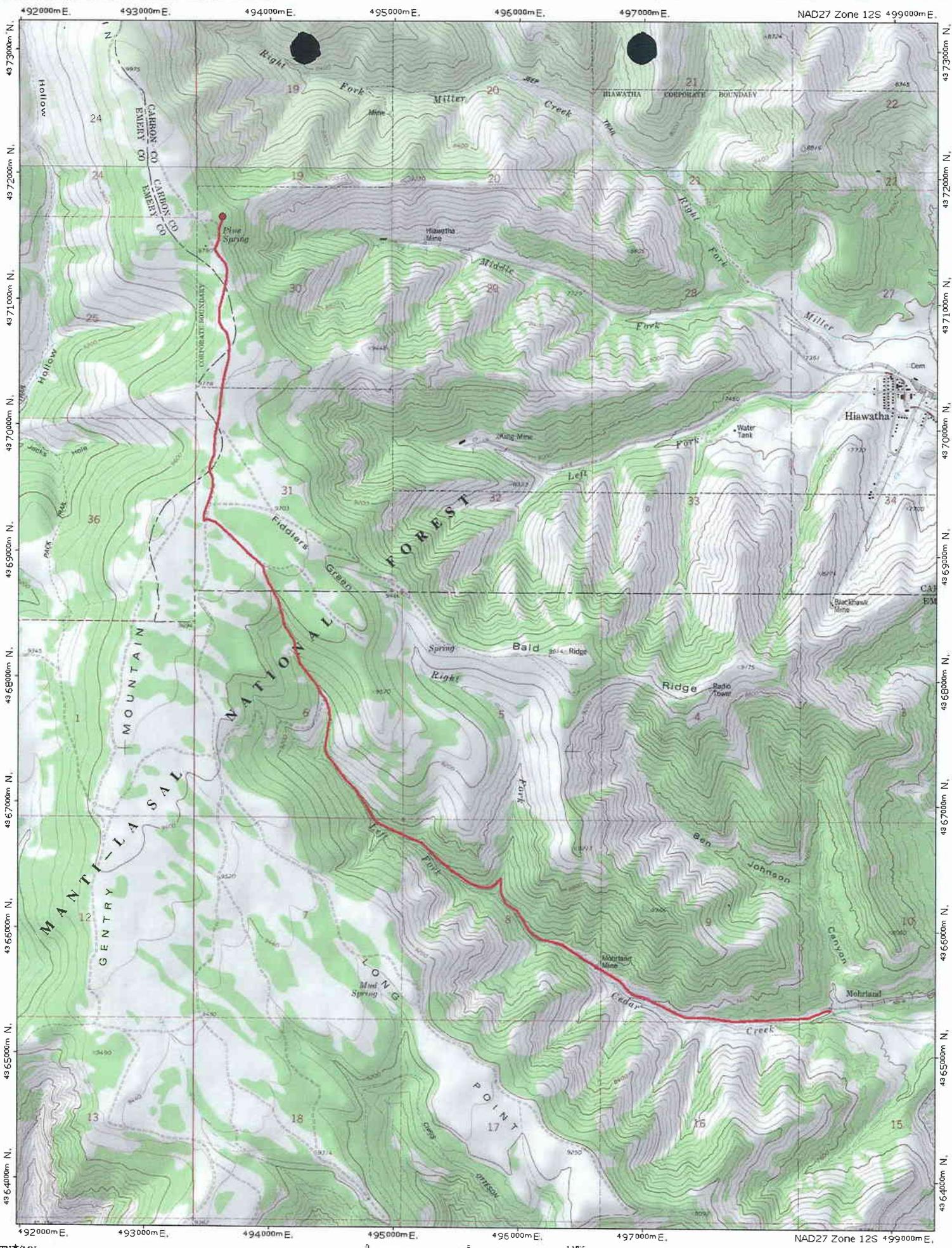
  
Kyla Vaughan

Date: \_\_\_\_\_

11/14/06

- b. The operator is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the State of Utah Field Office. Within five (5) working days, the State of Utah will inform the operator as to:
  - i. Whether the materials appear eligible for the National Register of Historic Places;
  - ii. The mitigation measures the operator will likely have to undertake before the site can be used ( assuming in situ preservation is not necessary); and
  - iii. A time frame for the State of Utah to complete an expedited review under 36 CFR § 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the State of Utah are correct and that mitigation is appropriate.
- c. If the operator wishes, at any time, to relocate activities to avoid the expenses of mitigation and/or the delays associated with this process, the State will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The State of Utah will provide technical and procedural guidelines for the conduct of mitigation. Upon Verification from the State of Utah that the required mitigation has been completed, the operator will then be allowed to resume construction.
- d. Threatened and Endangered Species Concerns:
  - i. An approved contractor will submit the appropriate reports as required. Special Stipulations will be included in the COA's of the approved APD.
- e. Wildlife Seasonal Restrictions: Current wildlife restrictions and closure dates are specified in the BLM's Environment Impact Statement.

13. The Drilling Program is attached: See Exhibit "E".

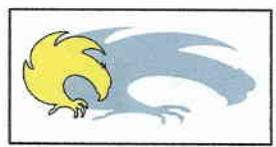
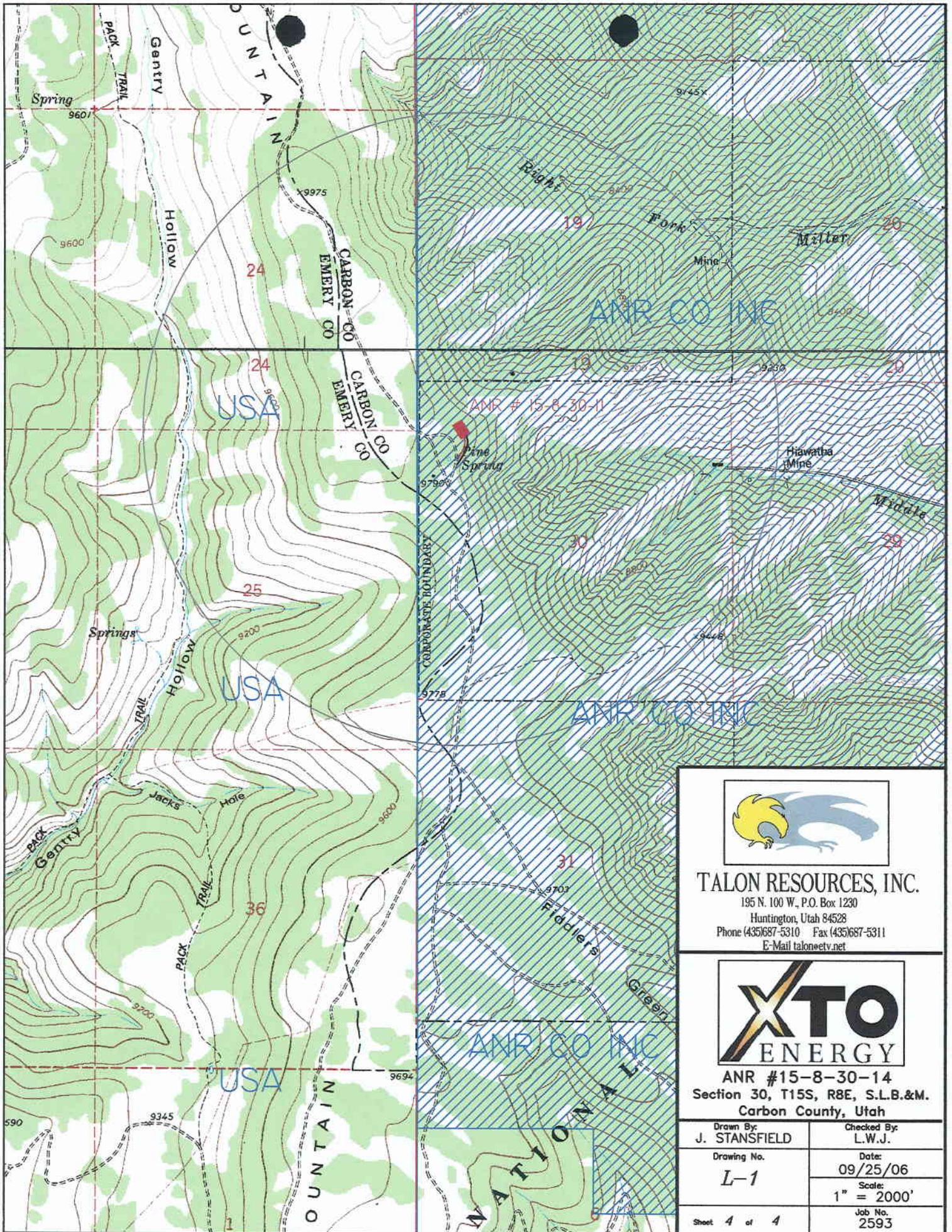


TN MN  
12°



Map created with TOPO!® ©2003 National Geographic (www.nationalgeographic.com/topo)

EXHIBIT A



**TALON RESOURCES, INC.**  
 195 N. 100 W., P.O. Box 1230  
 Huntington, Utah 84528  
 Phone (435)687-5310 Fax (435)687-5311  
 E-Mail taloneetv.net

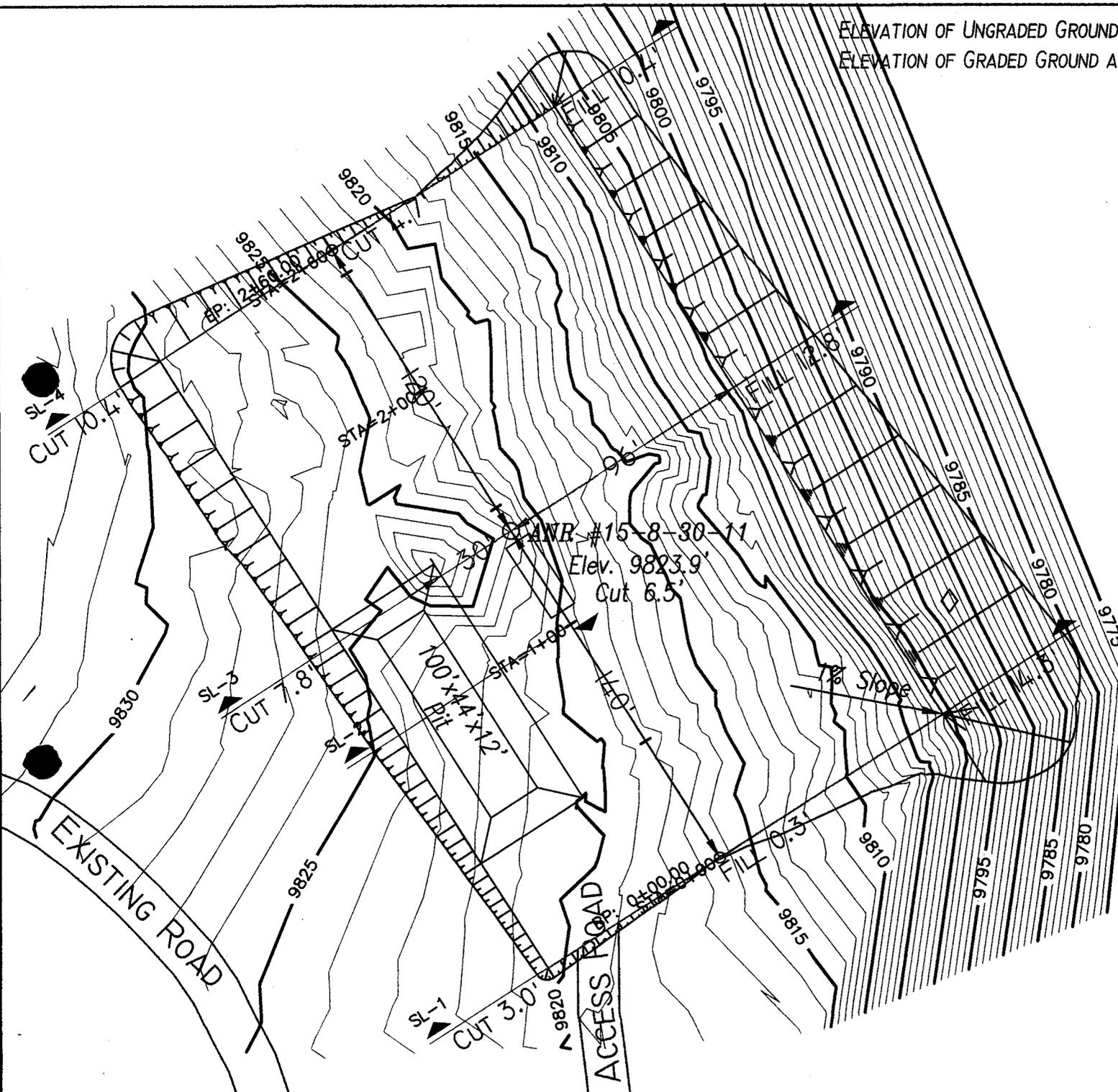


**ANR #15-8-30-14**  
 Section 30, T15S, R8E, S.L.B.&M.  
 Carbon County, Utah

Drawn By: <b>J. STANSFIELD</b>	Checked By: <b>L.W.J.</b>
Drawing No. <b>L-1</b>	Date: <b>09/25/06</b>
	Scale: <b>1" = 2000'</b>
Sheet <b>4</b> of <b>4</b>	Job No. <b>2593</b>

**EXHIBIT B**

ELEVATION OF UNGRADED GROUND AT LOCATION STAKE = 9823.9'  
 ELEVATION OF GRADED GROUND AT LOCATION STAKE = 9817.4'

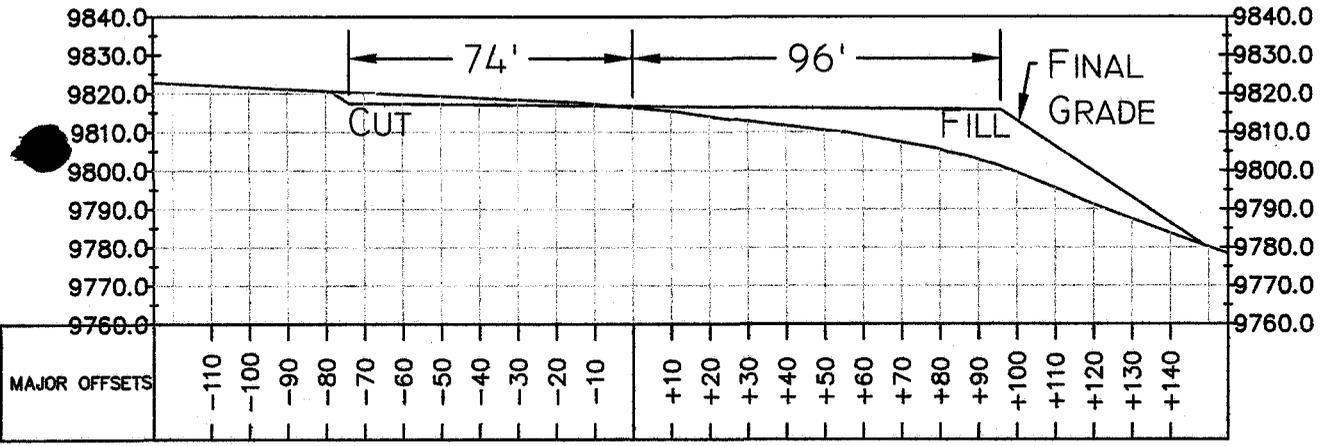
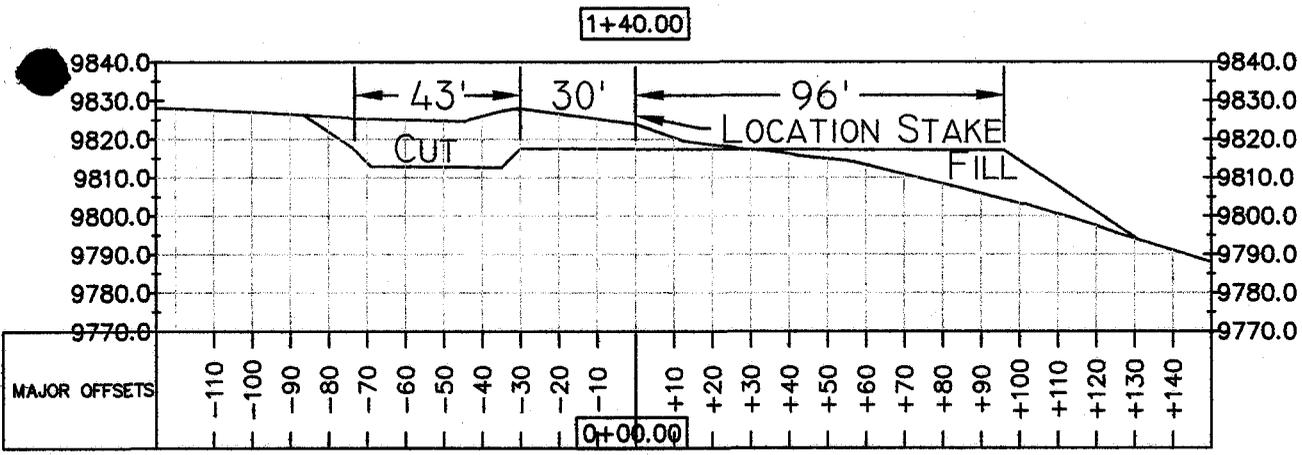
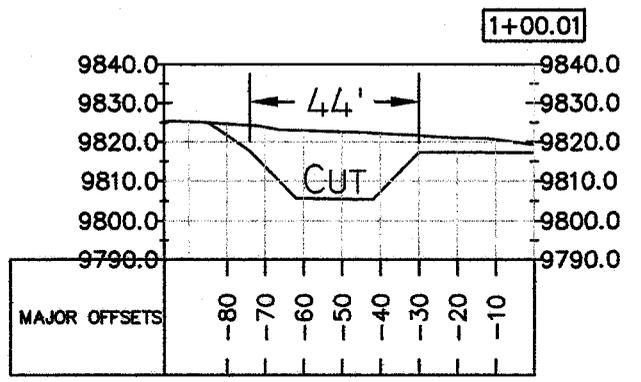
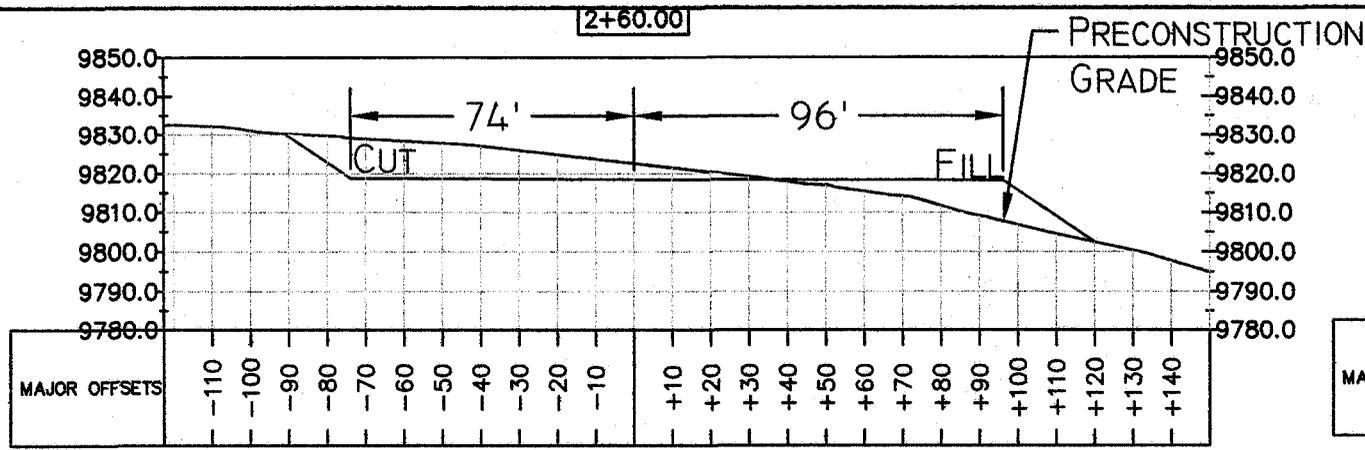


**Talon Resources, Inc.**  
 195 North 100 West P.O. Box 1230  
 Huntington, Utah 84528  
 Phone (435)687-5310 Fax (435)687-5311  
 E-Mail taloneetv.net



**LOCATION LAYOUT**  
 Section 30, T15S, R8E, S.L.B.&M.  
 ANR #15-8-30-11

Drawn By: <b>J. STANSFIELD</b>	Checked By: <b>L.W.J.</b>
Drawing No. <b>A-2</b>	Date: <b>10/03/06</b>
	Scale: <b>1" = 50'</b>
Sheet <b>2 of 4</b>	Job No. <b>2594</b>



SLOPE = 1 1/2 : 1  
(EXCEPT PIT)  
PIT SLOPE = 1 ; 1



**Talon Resources, Inc.**  
195 North 100 West P.O. Box 1230  
Huntington, Utah 84528  
Phone (435)687-5310 Fax (435)687-5311  
E-Mail talon@ctv.net



**TYPICAL CROSS SECTION**  
Section 30, T15S, R8E, S.L.B.&M.  
ANR #15-8-30-11

Drawn By: <b>J. STANSFIELD</b>	Checked By: <b>L.W.J.</b>
Drawing No. <b>C-1</b>	Date: <b>10/03/06</b>
	Scale: <b>1" = 50'</b>
Sheet <b>3</b> of <b>4</b>	Job No. <b>2594</b>

APPROXIMATE YARDAGES

(6") TOPSOIL STRIPPING = 750 CU. YDS.  
TOTAL CUT = 2,235 CU. YDS. (INCLUDING PIT)  
TOTAL FILL = 2,230 CU. YDS.

# Application for Permit to Drill

## Statement of Basis

6/21/2007

Utah Division of Oil, Gas and Mining

Page 1

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Ownr</b>	<b>CBM</b>
406	43-007-31256-00-00		GW	P	No
<b>Operator</b>	XTO ENERGY INC	<b>Surface Owner-APD</b>			
<b>Well Name</b>	ANR 15-8-30-11	<b>Unit</b>			
<b>Field</b>	WILDCAT	<b>Type of Work</b>			
<b>Location</b>	NWNW 30 15S 8E S 0 FL 0 FL GPS Coord (UTM) 493598E 4371668N				

### Geologic Statement of Basis

A review of the ground water resources for this location indicates that there are numerous points of diversion within a one mile radius of this well but only one underground source of water, a 6" diameter casing water well drilled to 100'. A poorly to moderately permeable soil is developed on the Upper Portion of the Blue Gate Member of the Mancos Shale. The well will possibly penetrate water saturated surface sediments adjacent to flowing Bear Creek. The creek is less than 200 feet to the southeast and is probably active all year long. It is also possible that the well will penetrate several sand units of the Emery Sandstone Member of the Mancos Shale. The proposed surface casing and cementing program should protect any near surface aquifers encountered during drilling although any water bearing sandstones encountered in the Emery Sandstone should also be afforded the protection of casing and cement.

Chris Kierst  
APD Evaluator

6/21/2007  
Date / Time

### Surface Statement of Basis

On-site evaluation conducted May 22, 2007. Present: Bart Kettle-Division of Oil, Gas and Mining (DOGGM), Mark Reynolds-surface representative, Bedos-Nelison Construction, Ray Trujillo-XTO, Kyla Vaughan-XTO, Ray Peterson-Emery County, Allen Childs-Talon Resources

DOGGM recommends that XTO be proactive in their reclamation of project area following drilling and pipeline installation to prevent the spread of musk thistle and hounds tongue from project site into portions of their operation that are not infested.

Emery County recommends that XTO consider alternative routes of access to project site. If other routes are deemed unacceptable Emery County cautions that XTO use the county road from Moorland to Gentry Mountain wisely. Road contains many other users, steep grades and multiple rock out crops. Proactive road work would be required to maintain road in a functioning condition. Additionally adverse weather conditions can have substantial impacts to the travel conditions of the road surface.

Bart Kettle  
Onsite Evaluator

5/22/2007  
Date / Time

### Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** XTO ENERGY INC  
**Well Name** ANR 15-8-30-11  
**API Number** 43-007-31256-0      **APD No** 406      **Field/Unit** WILDCAT  
**Location:** 1/4,1/4 NWNW      **Sec** 30      **Tw** 15S      **Rng** 8E      0 FL 0 FL  
**GPS Coord (UTM)** 493596      4371661      **Surface Owner**

### Participants

Bart Kettle-Division of Oil, Gas and Mining (DOGM), Charles Reynolds-surface owner, Mark Reynolds-surface owner, Bedos-Nelison Construction, Ray Trujillo-XTO, Kyla Vaughan-XTO, Ray Peterson-Emery County, Allen Childs-Talon Resources

### Regional/Local Setting & Topography

Proposed project area is located ~20 mile northwest of Huntington, located in Carbon County Utah. Project site is atop of the Wasatch Plateau on the eastern rim. Drainages flow into Huntington Creek within 20 miles and eventually to the Green River 60 miles away. Project site is located in a 24-28" precept zone within the boundaries of a recent timber sale. Regionally agriculture lands are located along the valley floor 15 miles to the southeast, with the exception of the Skyline drive portions of the Wasatch Plateau, the climate is arid rangelands dominated by Salt Scrub shrub lands and Pinion/Juniper woodlands. Soils in the region are generally poorly developed, and moderate too highly erosive. At the project site vegetation is dominated by spruce/fir forest and soils are moderately deep clay loams underlain by limestone bedrock. No perennial water sources were observed immediately adjacent to the project area.

### Surface Use Plan

#### **Current Surface Use**

Grazing  
Wildlife Habitat

#### **New Road**

Miles	Well Pad	Src Const Material	Surface Formation
0.01	Width 170	Length 260	Onsite
			NHORN

**Ancillary Facilities** N

### Waste Management Plan Adequate? Y

### Environmental Parameters

**Affected Floodplains and/or Wetland** N

#### **Flora / Fauna**

##### Flora:

Grass: Elk sedge, fescue spp, mutton grass.

Forbs: Dandelion, western yarrow, vetch spp, Richardson's geranium, wild strawberry, rocky mountain columbine, musk thistle, hounds tongue, oldman whiskers.

Shrubs: Prickly current, common snowberry, wild rose and bear berry..

Trees: Englemans spruce, supalpine fir, Douglas fir and aspen.

Fauna: Mule deer, elk, bear, mountain lion, bobcat, coyote, red fox, yellow belly marmot, ground squirrel, striped chipmunk, gray squirrel, sage grouse, blue grouse and a host of small rodents, song birds and raptors.

#### **Soil Type and Characteristics**

Dark brown clay loam, limestone fragments

**Erosion Issues** Y

High precipitation zone has the potential to create accelerated erosion of disturbed soils.

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required** N

**Berm Required?** N

**Erosion Sedimentation Control Required?** N

**Paleo Survey Run?** N

**Paleo Potential Observed?** N

**Cultural Survey Run?** N

**Cultural Resources?** N

**Reserve Pit**

**Site-Specific Factors**

<b>Site-Specific Factors</b>		<b>Site Ranking</b>
<b>Distance to Groundwater (feet)</b>	>200	0
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>	>20	10
<b>Affected Populations</b>	<10	0
<b>Presence Nearby Utility Conduits</b>	Not Present	0

**Final Score** 25 1 **Sensitivity Level**

**Characteristics / Requirements**

**Closed Loop Mud Required?** N

**Liner Required?** Y

**Liner Thickness** 12

**Pit Underlayment Required?** N

**Other Observations / Comments**

As staked well pad is on a landing area used to store logs while area was being logged. A large pile of slash and some logs remain on proposed well pad, the surface representative at the on-site evaluation recommended that slash be push off well pad and burned in the winter months. Small infestations of musk thistle and hounds tongue are present within the project area. Recommendation made that XTO be proactive in their reclamation following drilling and management of these species to prevent them spreading into uninfested portions of their operations.

County road used to access the well site contains many steep grades and rock outcrops. Emery county cautioned XTO that road would require continual maintenance to handle rig traffic and recommended they consider other options for rig traffic. Surface owners maintain route into Hiawatha that is available for a use fee. County roads accessing project site from the north are also an option.

Bart Kettle  
Evaluator

5/22/2007  
Date / Time



Online Services

Agency List

Business

Search

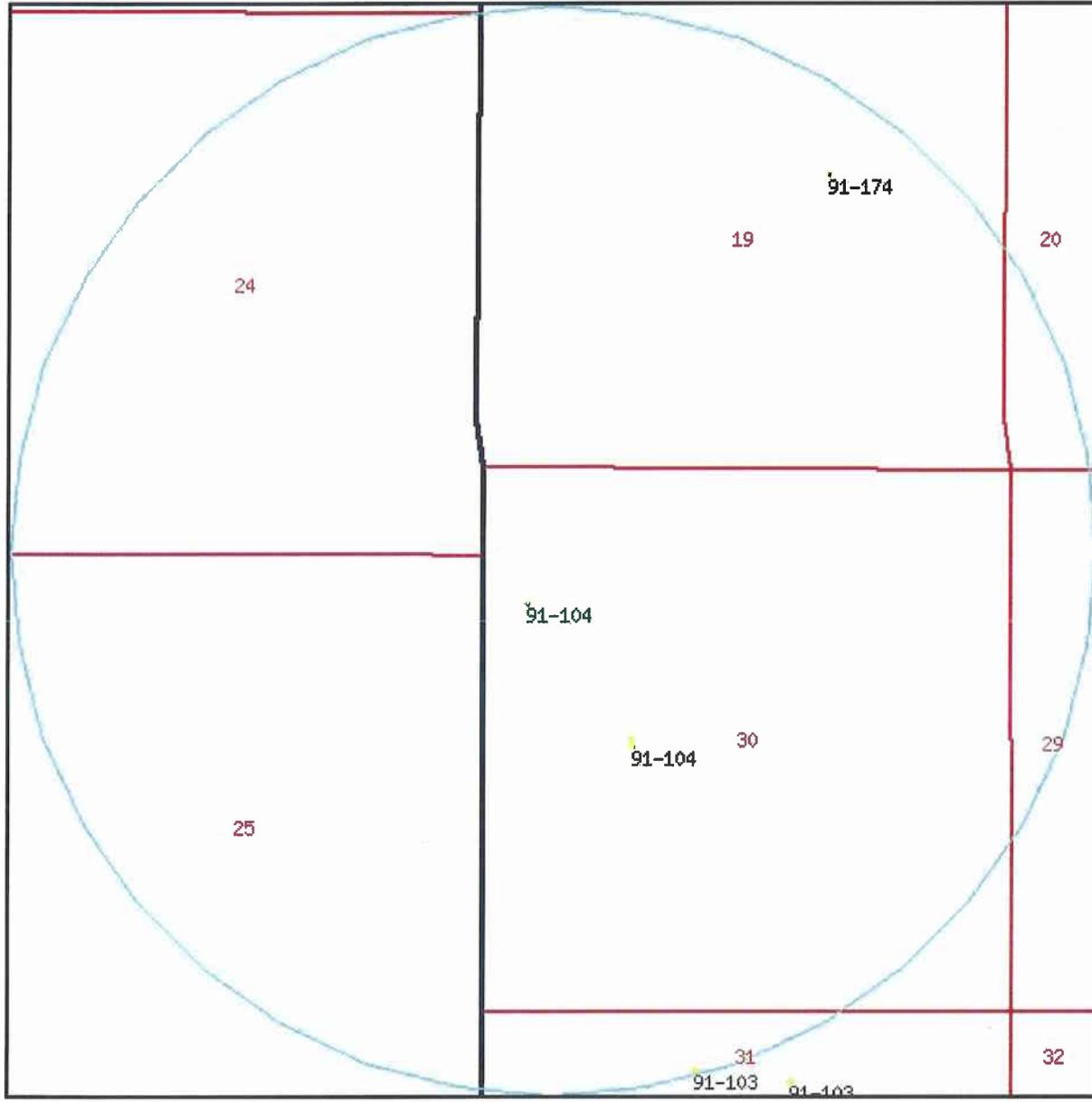


# Utah Division of Water Rights

## WRPLAT Program Output Listing

Version: 2007.04.13.01      Rundate: 05/29/2007 06:07 PM

Radius search of 5280 feet from a point S801 E683 from the NW corner, section 30, Township 15S, Range 8E, SL b&m Criteria:wrtypes=W,C,E  
podtypes=S,U,D,Sp status=U,A,P usetypes=all



**Water Rights**

<b>WR Number</b>	<b>Diversion Type/Location</b>	<b>Well Log</b>	<b>Status</b>	<b>Priority</b>	<b>Uses</b>	<b>CFS</b>	<b>ACFT</b>	<b>Owner Name</b>
<u>91-103</u>	Surface S568 E2080 NW 31 15S 8E SL		P	19290817	DMO	0.387	0.000	UNITED STATES FUEL COMPANY 340 HARDSCRABBLE ROAD
<u>91-103</u>	Surface S670 E3014 NW 31 15S 8E SL		P	19290817	DMO	0.387	0.000	UNITED STATES FUEL COMPANY 340 HARDSCRABBLE ROAD
<u>91-104</u>	Surface N3948 E446 SW 30 15S 8E SL		P	19290817	DMO	0.088	0.000	UNITED STATES FUEL COMPANY 340 HARDSCRABBLE ROAD
<u>91-104</u>	Surface N2640 E1435 SW 30 15S 8E SL		P	19290817	DMO	0.088	0.000	UNITED STATES FUEL COMPANY 340 HARDSCRABBLE ROAD
<u>91-104</u>	Surface N2556 E1466 SW 30 15S 8E SL		P	19290817	DMO	0.088	0.000	UNITED STATES FUEL COMPANY 340 HARDSCRABBLE ROAD
<u>91-174</u>	Surface S2382 W1752 NE 19 15S 8E SL		P	19481014	DMO	3.300	0.000	ANR CO. INC 3212 SOUTH STATE STREET

[Natural Resources](#) | [Contact](#) | [Disclaimer](#) | [Privacy Policy](#) | [Accessibility Policy](#)

Helen Sadik-Macdonald - Re: ANR 15-8-30-11

---

From: Helen Sadik-Macdonald  
To: John\_Egelston@xtoenergy.com  
Date: 6/29/2007 3:50 PM  
Subject: Re: ANR 15-8-30-11  
CC: Doucet, Dustin

---

John,  
Item 3 in rule R649-3-29 states a casing string through a coal bed "shall be seated at least 50 feet into the closest impervious formation" below a workable coal seam. Therefore, setting an intermediate string will be necessary in this well and others like it. What remains is to determine the top and bottom of coal seams that need to be sealed off from the rest of the well bore. You will be best acquainted with these depths.

I've talked with Mark Reynolds at Bear Canyon mine. He told me XTO and Hiawatha Coal Company have had several meetings concerning your drilling plans. I understand there are multiple coal seams in the ANR area which may not all have been mined. Mark also told me the mine is now full of water and is the culinary supply for the town of Hiawatha. We want to assure maximum protection of this water resource as well as isolate any workable coal seams that may be mined in the future from the rest of the well bore. We will require the coal seams to be isolated separately from your production string.

You will need to resubmit Form 3 with an intermediate string included along with appropriate cement volumes. Please revise your drill plan accordingly, as well. The intermediate string is no longer a contingency string. Other wells planned in the area will also be required to isolate coal seams with an intermediate casing string. We believe this will be approximately 2000'. Please advise if otherwise. Thank you.

Respectfully,  
hsm

*Helen Sadik-Macdonald, CPG, PG  
Petroleum Engineering Services  
Utah Div. of Oil, Gas & Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801*

801/538-5357 Desk  
801/359-3940 Fax

>>> On 6/29/2007 at 8:18 AM, in message <OF63B9AC18.A1F30EE4-ON86257309.004C3405-87257309.004E9729@xtoenergy.com>, <John\_Egelston@xtoenergy.com> wrote:

Helen,

I think I've found the confusion. In previously mined areas we have seen significant error in the depths and locations of mined out areas. What I am getting at, is if the actual mine shaft is penetrated, (ie we see severe lost circulation and a drop in our drill string) we'll go ahead and set the 8-5/8". If we are able to continue drilling without seeing lost circulation or a drop in the drillstring, our intention is to continue drilling. If we are able to TD the well without seeing the mineshaft or a waterflow in the Emery then we will set the DV tool in our longstring at +/-2000' in the Bluegate shale. No attempt will be made to achieve a continuous column of cement between the top of the lead cement, as calculated by the hydrostatic column at 1000 psi with 40% excess, and the DV tool. If we do see water in the Emery, we'll move the DV Tool to the lower bluegate shale at +/-4900' and attempt to cover both the Hiawatha seam and the wet Emery in one continuous column of cement. Potentially, this allows us to use the 8-5/8" string anywhere in between the base of the Hiawatha seam and the failure limits of the 8-5/8", 36.0 lb/ft casing.

The 5.5" production casing meets the requirements set forth by items #2 & #3 in section 29.

Please contact me if I am misreading the rules.

Take care,

John Egelston  
Drilling Engineer  
XTO Energy

Ofc: 505.564.6734

Fax: 505.566.7927

Mob: 505.330.6902

"Helen  
Sadik-Macdonald"  
<hmacdonald@utah.gov> To  
<John\_Egelston@xtoenergy.com>  
cc  
06/28/2007 05:20 "Dustin Doucet"  
PM <DUSTINDOUCET@utah.gov>  
Subject  
ANR 15-8-30-11

John,

I refer you to Dustin's email of May 30 concerning drilling into a coal mine. Your contingency string of 8.625" csg will be required in this well as a coal seam will be encountered. The depth of placement will be to a minimum of 50 feet below the coal seam of the mine (~2000'). Please review the Rules he sent you, particularly:

<http://www.rules.utah.gov/publicat/code/r649/r649-003.htm#T29>

Sections 29 and 30 (which he sent) are also pertinent. You need to state a string depth - I do not think you intended 4600' as submitted on Form 3. I need cement volume estimates for this string (# sacks). Subsequent wells in this area will require the same.

From the drilling plan, the DV tool is estimated to be set at around 2000' if no fresh water is encountered in the Emery SS. Correct? If the Emery contains fresh water, the DV tool will be set at 4900'.

In a gauge hole, Stage I cement will rise to 5816 from TD, and with our more conservative washout of 12%, it will only rise to 6290'. Please be advised for a gauge hole, it will take over 3.3 times the estimated Stage I cement volumes to reach the 2000' DV tool in a gauge hole or 1.6 times the Stage I volumes to reach 4925' of the Lower Blue Gate. In our conservative estimate of a drill hole with 12% washout, cement volume increases will be 4.6 and 2.2 times your listed numbers to reach either the 2000' or 4900' DV tools, respectively.

Please feel free to contact me if you have further concerns. Thank you.  
Respectfully,  
hsm

Helen Sadik-Macdonald, CPG, PG  
Petroleum Engineering Services  
Utah Div. of Oil, Gas & Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

801/538-5357 Desk  
801/359-3940 Fax

Helen Sadik-Macdonald - cement, casing ANR-15, ST 13/33D

---

**From:** Helen Sadik-Macdonald  
**To:** John\_Egelston@xtoenergy.com  
**Date:** 08/09/2007 8:01 AM  
**Subject:** cement, casing ANR-15, ST 13/33D  
**CC:** Doucet, Dustin

---

John,  
I need clarification on production cement for ANR 15-8-30-11: Is the DV tool going to be at +/- 4900'? How did you arrive at the slurry volume for Stage 1? The sx you intend don't get to 2938 cu. ft. or 4900'. Please submit a new Form 3 for this well which reflects design changes.

ST of UT 16-8-31-13 & 16-8-31-33D

Drill plans: Surface casings need to be deepened through workable coals/aquifers as in the above-cited well. Corresponding cement volumes changed. Formation tops for Emery and Lower Bluegate should be added. Form 3's resubmitted to reflect design changes. hsm

*Helen Sadik-Macdonald, CPG, PG  
Petroleum Engineering Services  
Utah Div. of Oil, Gas & Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801*

*801/538-5357 Desk  
801/359-3940 Fax*

**From:** <John\_Egelston@xtoenergy.com>  
**To:** "Helen Sadik-Macdonald" <hmacdonald@utah.gov>  
**Date:** 08/09/2007 8:44 AM  
**Subject:** Re: cement, casing ANR-15, ST 13/33D

**CC:** <dustindoucet@utah.gov>  
On the ANR 15-8-30-11 the volume is not designed to bring stage one cement to the DV tool, only 1000 psi hydrostatic as called out in the drilling program.. The total volume in cubic feet was incorrect from a previous revision. It has been revised and will be resubmitted, with a form 3.

John Egelston  
Drilling Engineer  
XTO Energy  
Ofc: 505.564.6734  
Fax: 505.566.7927  
Mob: 505.330.6902

"Helen Sadik-Macdonald" <hmacdonald@utah.gov>  
To: <John\_Egelston@xtoenergy.com>  
cc  
08/09/2007 07:54 AM "Dustin Doucet" <DUSTINDOUCET@utah.gov>  
Subject: cement, casing ANR-15, ST 13/33D

John,  
I need clarification on production cement for ANR 15-8-30-11: Is the DV tool going to be at +/- 4900'? How did you arrive at the slurry volume for Stage 1? The sx you intend don't get to 2938 cu. ft. or 4900'. I need a new Form 3 for this well.

ST of UT 16-8-31-13 & 16-8-31-33D  
Drill plans: Surface casings need to be deepened through workable coals as in the above-cited well. Corresponding cement volumes changed. Form 3's resubmitted to reflect changes. hsm

Helen Sadik-Macdonald, CPG, PG  
Petroleum Engineering Services  
Utah Div. of Oil, Gas & Mining  
PO Box 145801  
Salt Lake City, UT 84114-5801

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>				5. MINERAL LEASE NO: Fee	6. SURFACE: Fee
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: N/A	
2. NAME OF OPERATOR: XTO Energy, Inc.				9. WELL NAME and NUMBER: ANR #15-8-30-11	
3. ADDRESS OF OPERATOR: 2700 Farmington Ave. B Farmington NM 87401			PHONE NUMBER: (505) 324-1090	10. FIELD AND POOL, OR WILDCAT: Ferron Sandstone <i>Wildcat</i>	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 801' FNL x 683' FWL <i>493598X 437668Y</i>				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 30 15S 8E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 20 miles Northwest of Huntington, UT				12. COUNTY: CARBON	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 684'		16. NUMBER OF ACRES IN LEASE: 7224.36		17. NUMBER OF ACRES ASSIGNED TO THIS WELL:	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) none		19. PROPOSED DEPTH: <i>7415</i> <del>2,400</del>		20. BOND DESCRIPTION: UTB-000138	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 9824' Ground Elevation		22. APPROXIMATE DATE WORK WILL START: 7/1/2007		23. ESTIMATED DURATION: 2 weeks	

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
14.75"	11.75" J-55 47#	2,200	Type V	+/- 1203 sx	1.61 ft3/sx 14.2 ppg
8.75"	5.5" J-55 17#	7,415	CBM light wt - lead	+/- 62 sx	4.15 ft3/sx 10.5 ppg
			CBM light wt - tail	+/- 170 sx	1.18 ft3/sx 13.5 ppg
			CBM light wt - stage 2	+/- 498 sx	4.15 ft3/sx 10.5 ppg
10.625"	8.625" J-55 36#	5,000	CBM light wt - lead	+/- 276 sx	4.15 ft3/sx 10.5 ppg
			CBM light wt - tail	+/- 150 sx	1.81 ft3/sx 13.5 ppg

**ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

- WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER

- COMPLETE DRILLING PLAN
- FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Kyla Vaughan TITLE Regulatory Compliance Tech  
SIGNATURE *Kyla Vaughan* DATE 8/13/2007

(This space for State use only)

API NUMBER ASSIGNED: 43-007-31256

**Approved by the  
Utah Division of  
Oil, Gas and Mining**  
(See Instructions on Reverse Side)

**RECEIVED**  
**AUG 13 2007**

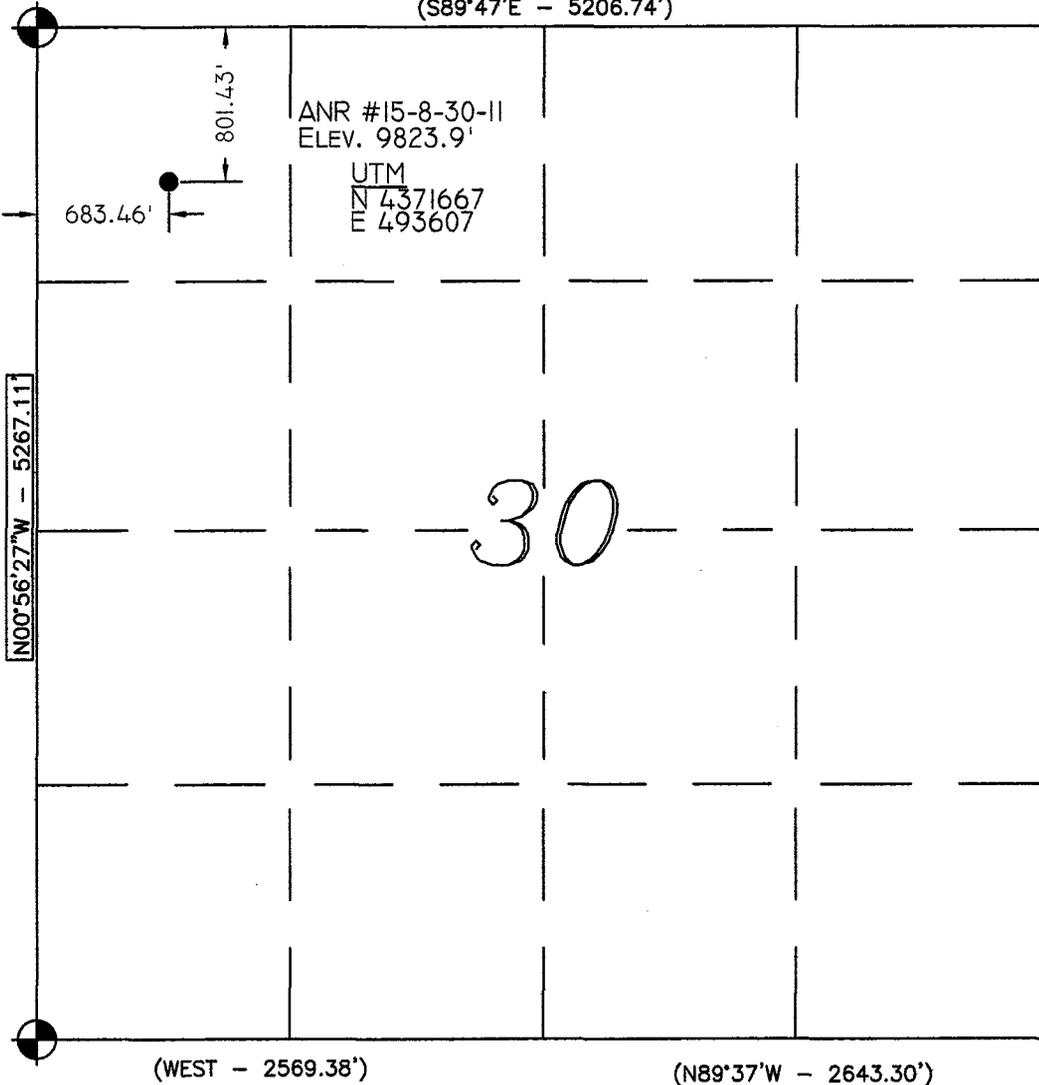
DIV. OF OIL, GAS & MINING

Date: 08-14-07  
By: *[Signature]*

# Range 8 East

Township 15 South

(S89°47'E - 5206.74')



(WEST - 2569.38')

(N89°37'W - 2643.30')

### Legend

- Drill Hole Location
- ⊙ Brass Cap (Found)
- Brass Cap (Searched for, but not found)
- △ Rock Pile
- ( ) GLO
- GPS Measured

### NOTES:

1. UTM and Latitude / Longitude Coordinates are derived using a GPS Pathfinder and are shown in NAD 27 Datum.

LAT / LONG
39°29'47.313" N
111°04'27.659" W

### Location:

The well location was determined using a Trimble 5700 GPS survey grade unit.

### Basis of Bearing:

The Basis of Bearing is GPS Measured.

### GLO Bearing:

The Bearings indicated are per the recorded plat obtained from the U.S. Land Office.

### Basis of Elevation:

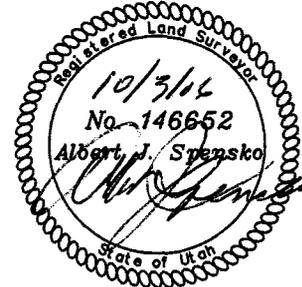
Basis of Elevation of 9694.0' being at the Southeast Section corner of Section 36, Township 15 South, Range 9 East, Salt Lake Base & Meridian, as shown on the Hiawatha Quadrangle 7.5 Minute Series Map.

### Description of Location:

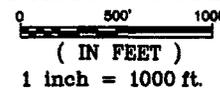
Proposed Drill Hole located in the NW1/4 NW1/4 of Section 30, T15S, R8E, S.L.B.&M., being South 801.43' from the North line and East 683.46' from the West line of Section 30, T15S, R8E, Salt Lake Base & Meridian.

### Surveyor's Certificate:

I, Albert J. Spensko, a Registered Professional Land Surveyor, holding Certificate 146652 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.



### GRAPHIC SCALE



**TALON RESOURCES, INC.**  
 195 North 100 West P.O. Box 1230  
 Huntington, Utah 84528  
 Phone (435)687-5310 Fax (435)687-5311  
 E-Mail talonetv.net



ANR #15-8-30-11  
 Section 30, T15S, R8E, S.L.B.&M.  
 Carbon County, Utah

Drawn By: J. STANSFIELD	Checked By: L.W.J./A.J.S.
Drawing No. A-1	Date: 10/02/06
	Scale: 1" = 1000'
Sheet 1 of 4	Job No. 2594

# XTO Energy, Inc.

**ANR 15-8-30-11**  
Drilling Data for APD  
August 13, 2007

Surface Location: 801' FNL & 683' FWL, Sec. 30, T15S, R8E

Proposed TD: 7415'

Approximate Elevation: 9824'

Objective: Ferron Coal

KB Elevation: 9836'

## 1. Mud Program:

<b>Interval</b>	<b>0'-2200'</b>	<b>2200'-7415'</b>
<b>Hole Size</b>	<b>14.75"</b>	<b>8.75"</b>
<b>Mud Type</b>	<b>Fresh Water/Spud Mud</b>	<b>Air/LSND/Gel Chemical</b>
<b>Weight</b>	<b>N/A</b>	<b>8.4-8.6</b>
<b>Viscosity</b>	<b>N/A</b>	<b>45-60</b>
<b>Water Loss</b>	<b>N/A</b>	<b>8-10</b>

- a. Drill surface with fresh water/spud mud. If aeration becomes necessary, nipple up 20" rotating head.
- b. Air drill to TD using produced water for mist fluid unless excessive water flow is encountered then switch to water based mud. If mud is required, 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.
- c. The blooie line will be approximately 100' in length and will extend in a straight line from below the rotating head as indicated in the BOP schematic. An automatic spark-type igniter will be fixed to the end of the blooie line and set to provide a continuous spark to ignite and burn any produced hydrocarbons and/or gasses.
- d. If necessary, de-dusting will be accomplished with a small pump, waterline, and spray nipple positioned near the end of the blooie line to provide a continuous spray of water.
- e. Sufficient mud materials will be stored on location to maintain well control and combat lost circulation problems that might reasonably be expected.
- f. The BOP system will be consistent with API RP53 and Onshore Oil & Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment subject to pressure will be conducted before drilling the casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing shoe and will remain

**RECEIVED**

**AUG 13 2007**

DIV. OF OIL, GAS & MINING

pre-charge pressures and oil levels are within API Specifications and report same on IADC report.

- b. Tubing Head: Larkin Fig 612 (or equivalent), 5,000 psig WP (5,000 psig test), 5 ½" SOW (or API 8 rnd female thread) on bottom, 7 1/16" 5,000 psig flange on top with two 3" LPOs.

4. Cement Program:

- a. Surface: 1203 sx of Type V cement (or equivalent) containing 1% CaCl, ¼ pps Flocele, and 10% Cal\_Seal mixed at 14.2 ppg and 1.61 ft<sup>3</sup>/sk.
  - i. Slurry Volume is 1937.9 ft<sup>3</sup>, 100% excess of calculated annular volume to 2200'.
- b. Production:
  - i. The production casing will be cemented using a DV/ECP tool. On the first stage there will be 2 (lead and tail) cement slurries. The lead cement (filler grade) volume will be calculated based on a maximum achievable top assuming formation pressure of 1,000 psi at the shoe. The tail cement will be calculated from TD to 300' above the Upper Ferron Sandstone as indicated on the formation tops table. Estimated top of cement at 5,763'. The second stage will be a single filler grade slurry to isolate the Emery SS. The DV/ECP will be placed in the Lower Bluegate Shale at ±4,900.
  - ii. Stage 1:
    - 1. Lead Cement: 62 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 10.5 ppg and 4.15 ft<sup>3</sup>/sk.
    - 2. Tail Cement: 170 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 13.5 ppg and 1.81 ft<sup>3</sup>/sk.
    - 3. Slurry volume is 565 ft<sup>3</sup>, 40% excess of calculated annular volume to 1,000 psi hydrostatic over formation pressure.
  - iii. Stage 2:
    - 1. Lead Cement: 498 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 10.5 ppg and 4.15 ft<sup>3</sup>/sk.
    - 2. Slurry volume is 2065.9 ft<sup>3</sup>, 40% excess of calculated open hole annular volume.

in use until the well is completed or abandoned. Ram preventers shall be inspected and operated daily. Annular preventers shall be inspected and operated weekly to ensure good mechanical working order. The inspections and tests shall be recorded in the drilling log and daily drilling report. See the attached BOP and choke manifold schematic.

2. Casing Program:

- a. Surface Casing set @ 2200' in a 14.75" hole. (8.34 ppg mud)

11.75,47 #/ft, J-55, ST&C, New, ( 11.000" ID, 10.844" Drift)					
Collapse Press	Burst Press	Joint Strength	SF Collapse	SF Burst	SF Tension
1510	3070	477	1.12	2.07	3.32

- b. Production Casing set @ 7415' in a 8.75" hole. (10.0 ppg)

5.5", 17 #/ft, J-55, LT&C, New, ( 4.892" I.D., 4.767" Drift)					
Collapse Press	Burst Press	Joint Strength	SF Collapse	SF Burst	SF Tension
4910	5320	247	1.480	1.600	1.960

- c. Contingency String Casing set @ 5000' in a 10.625" hole. (9.2 ppg mud)

8.625", 36 #/ft, J-55, ST&C, New, ( 7.827" I.D., 7.700" Drift)					
Collapse Press	Burst Press	Joint Strength	SF Collapse	SF Burst	SF Tension
3450	4460	434	1.44	1.86	2.41

Safety Factors based on vertical wellbore conditions with hydrostatic of mud, as called out above each table, with no backup used to calculate burst and collapse. Tension based on hanging weight in air.

If surface is set through mine workings, a DV/ECP tool will be used and the shoe will be tacked approximately two joints (85') below the mine floor and the second stage will be above the roof of the mine and cemented to surface.

Contingency string will be set if a fresh water flow is encountered that cannot be controlled with mud weight, or hole instability is encountered.

3. Well Heads:

- a. Casing Head: Larkin Fig 92 (or equivalent), 13-3/8" nominal, 3,000 psig WP (6,000 psig test) with 11-3/4" 8rnd thread on bottom and 13-3/8" Flange. NU BOP and choke manifold (see attached schematic). Stack to consist of drilling spool with choke and kill lines, double rams with pipe rams on top, blind rams on bottom. Use cold water and test BOP to 250 psi low and 1,000 psi high. Record all tests on the IADC report. Inspect accumulator and closing unit to ensure that

c. Contingency String:

- i. Lead Cement: 276 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 10.5 ppg and 4.15 ft<sup>3</sup>/sk.
- ii. Tail Cement: 150 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 13.5 ppg and 1.81 ft<sup>3</sup>/sk.
- iii. Slurry volume is 1420 ft<sup>3</sup>, 40% excess of calculated annular volume.
- iv. Actual volumes will be determined by setting depth and reported to the proper reporting agency prior to setting string.

5. Logging Program

- a. Mud logger: The mud logger will come on after surface pipe is set and will remain until TD. The mud will be logged in 10' intervals.
- b. Run Array Induction (if wet), compensated neutron, density, GR, caliper, SP (if wet), and Pe from TD to the bottom of the surface casing.

6. Formation Tops:

Formation	Well Depth
Hiawatha Seam	1730
Upper Bluegate Shale	2005
Emery SS	3390
Lower Bluegate Shale	4925
Top of Upper Ferron SS	6890
Top of Coal Zone	7020
Top of Lower Ferron SS	7115
Total Depth	7415

- a. No known oil zones will be penetrated.
- b. Gas bearing sandstones and coals will be penetrated from 6890' to 7415'.
- c. No known fresh water zones will be penetrated. The gas bearing sandstones and coals may contain in-situ water.
- d. The Hiawatha seam will be penetrated, potentially in a previously mined area.

The owner of record for the mine is CO-OP Mining Company, 3212 South State Street, Salt Lake City, Utah 84115-3825. The mine will be protected by setting an 11 ¾" surface casing through mine and cementing it as described above.

- e. Any prospectively valuable minerals and all fresh water zones encountered during drill will be recorded, cased, and cemented. If possible, water flow rates will be measured and samples will be taken and analyzed with the results being submitted to the appropriate agency.
- f. Maximum anticipated bottomhole pressure is anticipated to be less than 1,500 psi.
- g. No abnormal pressure, abnormal temperature, H2S, or other hazardous conditions are known to exist.

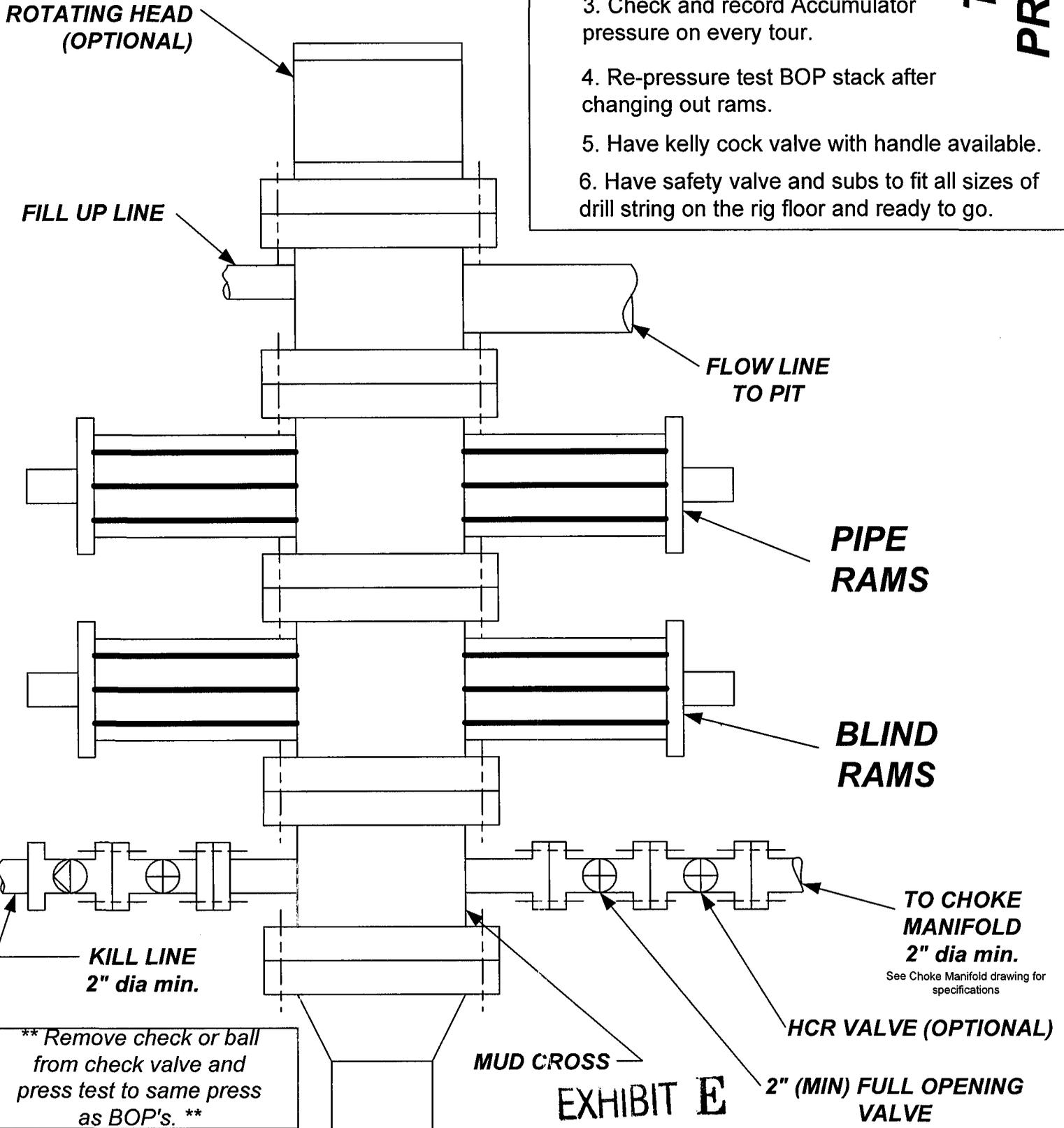
7. Company Personnel:

<b>Name</b>	<b>Title</b>	<b>Office Phone</b>	<b>Mobile Phone</b>
John Egelston	Drilling Engineer	505.564.6734	505.330.6902
Jerry Lacy	Drilling Superintendent	505.566.7914	505.320.6543
Joshua Stark	Project Geologist	817.885.2240	817.565.7158
Leonard West	Reservoir Engineer	817.885.2800	

# BOP SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

## TESTING PROCEDURE

1. Test BOP after installation:  
 Pressure test BOP to 200-300 psig (low pressure) for 10 min.  
 Test BOP to Working Press or to 70% internal yield of surf csg (10 min) or which ever is less.
2. Test operation of (both) rams on every trip.
3. Check and record Accumulator pressure on every tour.
4. Re-pressure test BOP stack after changing out rams.
5. Have kelly cock valve with handle available.
6. Have safety valve and subs to fit all sizes of drill string on the rig floor and ready to go.



# CHOKE MANIFOLD SCHEMATIC FOR DRILLING OPERATIONS CLASS 1 (2M) NORMAL PRESSURE

1. Stake all lines from choke manifold to pit.
2. Pressure test choke manifold after installation.
3. Pressure test manifold at the same time with the BOP Stack. Test manifold to the same test pressures.

## TESTING PROCEDURE

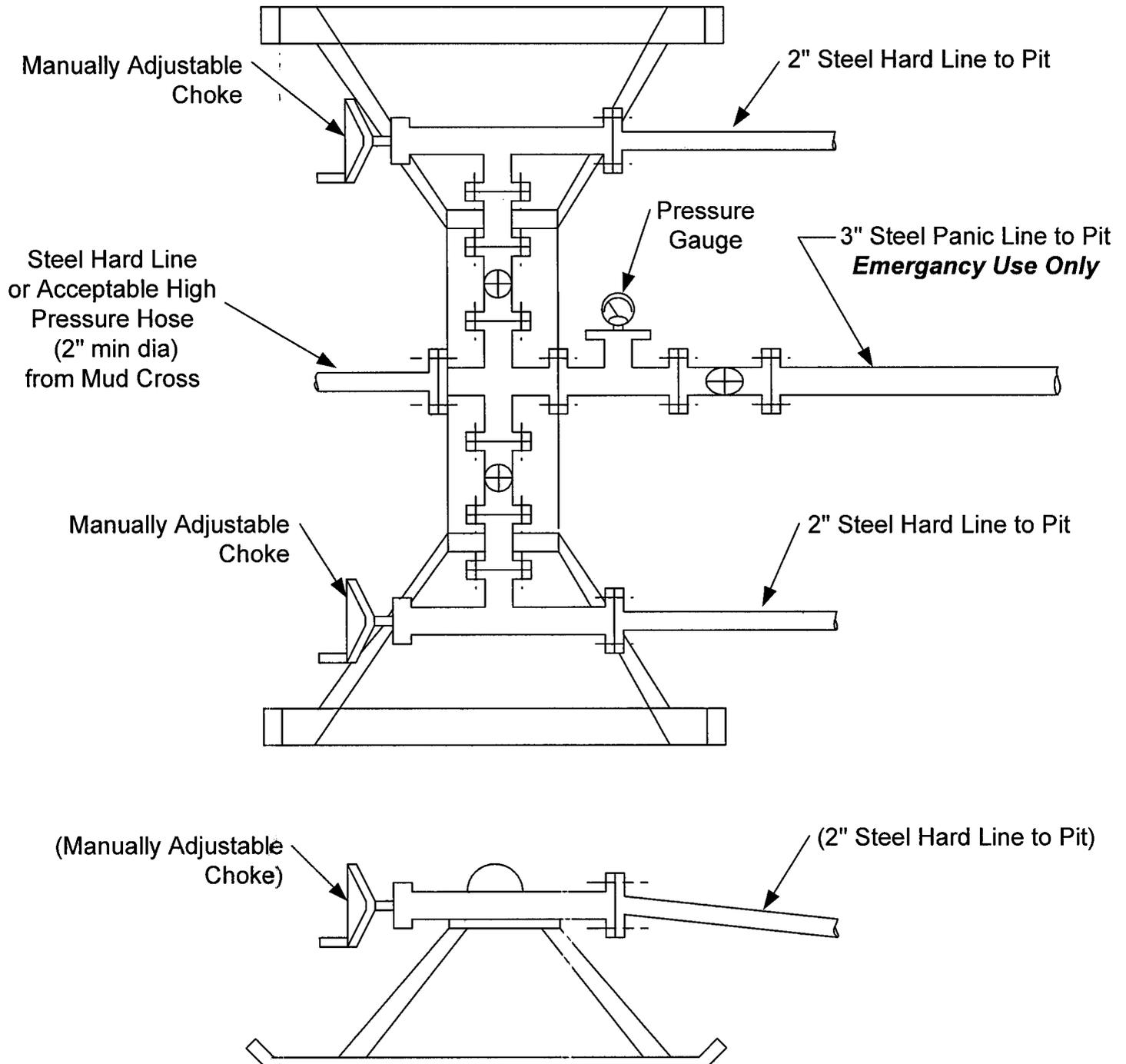


EXHIBIT E



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

## Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

August 14, 2007

XTO Energy, Inc.  
2700 Farmington Ave., Bldg K, Ste. 1  
Farmington, NM 87401

Re: ANR 15-8-30-11 Well, 801' FNL, 683' FWL, NW NW, Sec. 30, T. 15 South, R. 8 East,  
Carbon County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to re-enter the plugged and abandoned referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-31256.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Carbon County Assessor

Operator: XTO Energy, Inc.  
Well Name & Number ANR 15-8-30-11  
API Number: 43-007-31256  
Lease: Fee

Location: NW NW Sec. 30 T. 15 South R. 8 East

### Conditions of Approval

#### 1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

#### 2. Notification Requirements

The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

#### 3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

Page Two  
43-007-31256  
August 14, 2007

5. The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. You will be required to comply with any applicable recommendations resulting from this review.
  
6. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil Gas and Mining

JOHN R. BAZA  
Division Director

August 14, 2007  
\*Amended August 30, 2007

XTO Energy, Inc.  
2700 Farmington Ave., Bldg K, Ste. 1  
Farmington, NM 87401

Re: ANR 15-8-30-11 Well, 801' FNL, 683' FWL, NW NW, Sec. 30, T. 15 South, R. 8 East, Carbon County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to \*drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-007-31256.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Carbon County Assessor



**Operator:** XTO Energy, Inc.  
**Well Name & Number** ANR 15-8-30-11  
**API Number:** 43-007-31256  
**Lease:** Fee

**Location:** NW NW      **Sec.** 30      **T.** 15 South      **R.** 8 East

### **Conditions of Approval**

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**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: XTO ENERGY INC

Well Name: ANR 15-8-30-11

Api No: 43-007-31256 Lease Type: FEE

Section 30 Township 15S Range 08E County CARBON

Drilling Contractor ROCKY MOUNTAIN DRLG RIG # RATHOLE

**SPUDDED:**

Date 11/26/07

Time \_\_\_\_\_

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by RICK OMAN

Telephone # (435) 724-5440

Date 11/27/07 Signed CHD

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 801' FNL & 683' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 30 15S 8E		8. WELL NAME and NUMBER: ANR 15-8-30-11
PHONE NUMBER: (505) 333-3100		9. API NUMBER: 4300731256
		10. FIELD AND POOL, OR WILDCAT: FERRON SS/WILDCAT
		COUNTY: CARBON
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>12/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION		

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. requests approval to change the casing program on this well due to tool availability issues, per attached procedure.

COPY SENT TO OPERATOR  
Date: 12-10-2007  
Initials: KS

NAME (PLEASE PRINT) <u>HOLLY C. PERKINS</u>	TITLE <u>REGULATORY COMPLIANCE TECH</u>
SIGNATURE <u>Holly C. Perkins</u>	DATE <u>11/28/2007</u>

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 12/14/07  
BY: [Signature]  
(See Instructions on Reverse Side)

\* Verbal Approval given 11/30/07

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DIV. OF OIL, GAS & MINING

# XTO Energy, Inc.

**ANR 15-8-30-11**  
Drilling Data for APD  
November 27, 2007

Surface Location: 801' FNL & 683' FWL, Sec. 30, T15S, R8E

Proposed TD: 7415'

Approximate Elevation: 9824'

Objective: Ferron Coal

KB Elevation: 9836'

## 1. Mud Program:

Interval	0'-2200'	2200'-7415'
Hole Size	14.75"	9.875" & 7.5"
Mud Type	Fresh Water/Spud Mud	Air/LSND/Gel Chemical
Weight	N/A	8.4-8.6
Viscosity	N/A	45-60
Water Loss	N/A	8-10

- a. Drill surface with fresh water/spud mud. If aeration becomes necessary, nipple up 20" rotating head.
- b. Air drill to TD using produced water for mist fluid unless excessive water flow is encountered then switch to water based mud. If mud is required, 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.
- c. The blooie line will be approximately 100' in length and will extend in a straight line from below the rotating head as indicated in the BOP schematic. An automatic spark-type igniter will be fixed to the end of the blooie line and set to provide a continuous spark to ignite and burn any produced hydrocarbons and/or gasses.
- d. If necessary, de-dusting will be accomplished with a small pump, waterline, and spray nipple positioned near the end of the blooie line to provide a continuous spray of water.
- e. Sufficient mud materials will be stored on location to maintain well control and combat lost circulation problems that might reasonably be expected.
- f. The BOP system will be consistent with API RP53 and Onshore Oil & Gas Order No. 2. Pressure tests of the surface casing and all BOP equipment subject to pressure will be conducted before drilling the casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing shoe and will remain

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**DIV. OF OIL, GAS & MINING**

in use until the well is completed or abandoned. Ram preventers shall be inspected and operated daily. Annular preventers shall be inspected and operated weekly to ensure good mechanical working order. The inspections and tests shall be recorded in the drilling log and daily drilling report. See the attached BOP and choke manifold schematic.

2. Casing Program:

- a. Surface Casing set @ 2200' in a 14.75" hole. (8.34 ppg mud)

10.75, 40.5 #/ft, J-55, ST&C, New, ( 10.050" ID, 9.894" Drift)					
Collapse Press	Burst Press	Joint Strength	SF Collapse	SF Burst	SF Tension
1580	3130	562	1.656	3.28	6.308

- b. Production Casing set @ 7415' in a 9.875" hole. (10.0 ppg)

5.5", 17 #/ft, J-55, LT&C, New, ( 4.892" I.D., 4.767" Drift)					
Collapse Press	Burst Press	Joint Strength	SF Collapse	SF Burst	SF Tension
4910	5320	247	1.480	1.600	1.960

- c. Contingency String Casing set @ 5000' in a 9.875" hole. (9.2 ppg mud)

7.625", 29.7#/ft, P-110, ST&C, New, (6.875" I.D., 6.750" Drift)					
Collapse Press	Burst Press	Joint Strength	SF Collapse	SF Burst	SF Tension
5340	9470	940	2.23	3.96	6.33

Safety Factors based on vertical wellbore conditions with hydrostatic of mud, as called out above each table, with no backup used to calculate burst and collapse. Tension based on hanging weight in air.

If surface is set through mine workings, a DV/ECP tool will be used and the shoe will be tacked approximately two joints (85') below the mine floor and the second stage will be above the roof of the mine and cemented to surface.

Contingency string will be set if a fresh water flow is encountered that cannot be controlled with mud weight, or hole instability is encountered.

3. Well Heads:

- a. Casing Head: Larkin Fig 92 (or equivalent), 10-3/4" nominal, 3,000 psig WP (6,000 psig test) with 10-3/4" 8rnd thread on bottom and 11" x 3m Flange. NU BOP and choke manifold (see attached schematic). Stack to consist of drilling spool with choke and kill lines, double rams with pipe rams on top, blind rams on bottom. Use cold water and test BOP to 250 psi low and 1,000 psi high. Record all tests on the IADC report. Inspect accumulator and closing unit to ensure that

pre-charge pressures and oil levels are within API Specifications and report same on IADC report.

- b. Tubing Head: Larkin Fig 612 (or equivalent), 5,000 psig WP (5,000 psig test), 5 1/2" SOW (or API 8 rnd female thread) on bottom, 7 1/16" 5,000 psig flange on top with two 3" LPOs.

4. Cement Program:

a. Surface:

- i. Lead Cement: 408 sx of CBM Light Weight Cement with 10 pps Gilsonite and 1/4 pps celloflake mixed at 10.5 ppg and 4.15 ft<sup>3</sup>/sk.
- ii. Tail Cement: 500 sx of Type V cement (or equivalent) containing 1% CaCl, 1/4 pps Flocele, and 10% Cal\_Seal mixed at 14.2 ppg and 1.61 ft<sup>3</sup>/sk.
- iii. Slurry Volume is 2497.3 ft<sup>3</sup>, 100% excess of calculated annular volume to 2200'.

b. Production:

- i. The production casing will be cemented using a DV/ECP tool. On the first stage there will be 2 (lead and tail) cement slurries. The lead cement (filler grade) volume will be calculated based on a maximum achievable top assuming formation pressure of 1,000 psi at the shoe. The tail cement will be calculated from TD to 300' above the Upper Ferron Sandstone as indicated on the formation tops table. Estimated top of cement at 5,763'. The second stage will be a single filler grade slurry to isolate the Emery SS. The DV/ECP will be placed in the Lower Bluegate Shale at ±4,900.

ii. Stage 1:

1. Lead Cement: 62 sx of CBM Light Weight Cement with 10 pps Gilsonite and 1/4 pps celloflake mixed at 10.5 ppg and 4.15 ft<sup>3</sup>/sk.
2. Tail Cement: 170 sx of CBM Light Weight Cement with 10 pps Gilsonite and 1/4 pps celloflake mixed at 13.5 ppg and 1.81 ft<sup>3</sup>/sk.
3. Slurry volume is 565 ft<sup>3</sup>, 40% excess of calculated annular volume to 1,000 psi hydrostatic over formation pressure.

iii. Stage 2:

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1. Lead Cement: 538 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 10.5 ppg and 4.15 ft<sup>3</sup>/sk.
2. Slurry volume is 2236.3 ft<sup>3</sup>, 40% excess of calculated open hole annular volume.

c. Contingency String:

- i. Lead Cement: 265 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 10.5 ppg and 4.15 ft<sup>3</sup>/sk.
- ii. Tail Cement: 150 sx of CBM Light Weight Cement with 10 pps Gilsonite and ¼ pps celloflake mixed at 13.5 ppg and 1.81 ft<sup>3</sup>/sk.
- iii. Slurry volume is 1368 ft<sup>3</sup>, 40% excess of calculated annular volume.
- iv. Actual volumes will be determined by setting depth and reported to the proper reporting agency prior to setting string.

5. Logging Program

- a. Mud logger: The mud logger will come on after surface pipe is set and will remain until TD. The mud will be logged in 10' intervals.
- b. Run Array Induction (if wet), compensated neutron, density, GR, caliper, SP (if wet), and Pe from TD to the bottom of the surface casing.

6. Formation Tops:

Formation	Well Depth
Hiawatha Seam	1730
Upper Bluegate Shale	2005
Emery SS	3390
Lower Bluegate Shale	4925
Top of Upper Ferron SS	6890
Top of Coal Zone	7020
Top of Lower Ferron SS	7115
Total Depth	7415

- a. No known oil zones will be penetrated.
- b. Gas bearing sandstones and coals will be penetrated from 6890' to 7415'.

- c. No known fresh water zones will be penetrated. The gas bearing sandstones and coals may contain in-situ water.
- d. The Hiawatha seam will be penetrated, potentially in a previously mined area.

The owner of record for the mine is CO-OP Mining Company, 3212 South State Street, Salt Lake City, Utah 84115-3825. The mine will be protected by setting a 10 3/4" surface casing through mine and cementing it as described above.

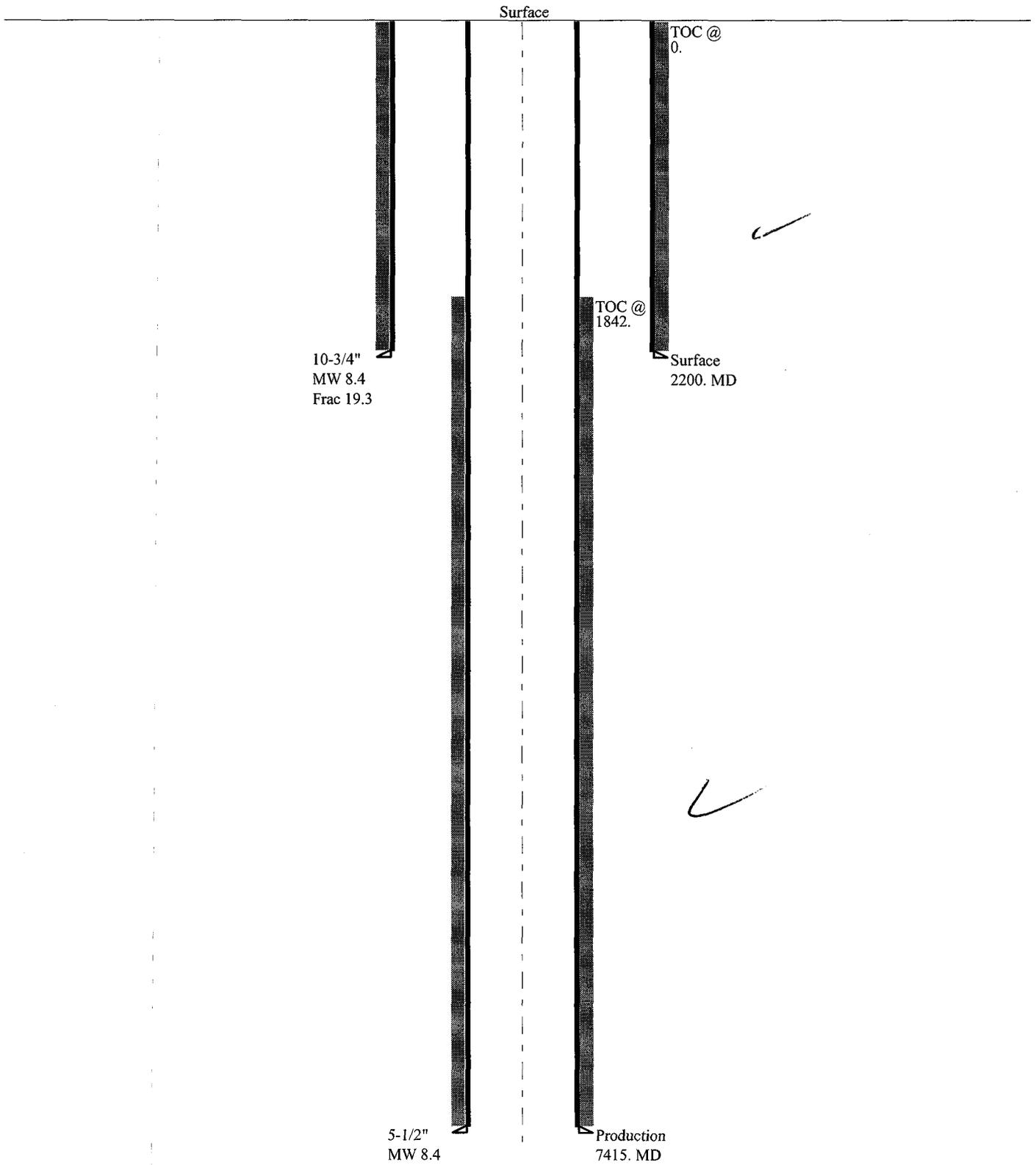
- e. Any prospectively valuable minerals and all fresh water zones encountered during drill will be recorded, cased, and cemented. If possible, water flow rates will be measured and samples will be taken and analyzed with the results being submitted to the appropriate agency.
- f. Maximum anticipated bottomhole pressure is anticipated to be less than 1,500 psi.
- g. No abnormal pressure, abnormal temperature, H2S, or other hazardous conditions are known to exist.

7. Company Personnel:

Name	Title	Office Phone	Mobile Phone
John Egelston	Drilling Engineer	505.564.6734	505.330.6902
Jerry Lacy	Drilling Superintendent	505.566.7914	505.320.6543
Joshua Stark	Project Geologist	817.885.2240	817.565.7158
Leonard West	Reservoir Engineer	817.885.2800	

2007-06 XTO ANR 15-8-30-11amd

Casing Schematic



Well name:	2007-06 XTO ANR 15-8-30-11amd		
Operator:	XTO Energy, Inc.		
String type:	Production	Project ID:	43-015-31256
Location:	Carbon County		

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 65 °F  
 Bottom hole temperature: 169 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 368 ft  
 Cement top: 1,842 ft

**Burst**

Max anticipated surface pressure: 1,604 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 3,236 psi  
 No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

**Non-directional string.**

Tension is based on air weight.  
 Neutral point: 6,470 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft <sup>3</sup> )
1	7415	5.5	17.00	J-55	LT&C	7415	7415	4.767	967.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3236	4910	1.517	3236	5320	1.64	126	247	1.96 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Minerals

Phone: 801-538-5357  
 FAX: 801-359-3940

Date: December 4, 2007  
 Salt Lake City, Utah

**ENGINEERING STIPULATIONS:**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>2007-06 XTO ANR 15-8-30-11amd</b>		
Operator:	<b>XTO Energy, Inc.</b>		
String type:	Surface	Project ID:	43-015-31256
Location:	Carbon County		

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 65 °F  
 Bottom hole temperature: 96 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 150 ft

Cement top: Surface

**Burst**

Max anticipated surface pressure: 1,936 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP 2,200 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on air weight.  
 Neutral point: 1,929 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 7,415 ft  
 Next mud weight: 8.400 ppg  
 Next setting BHP: 3,236 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 2,200 ft  
 Injection pressure: 2,200 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2200	10.75	40.50	J-55	ST&C	2200	2200	9.925	1211.9
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	960	1580	1.646	2200	3130	1.42	89	420	4.71 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Minerals

Phone: 801-538-5357  
 FAX: 801-359-3940

Date: December 4, 2007  
 Salt Lake City, Utah

**ENGINEERING STIPULATIONS:**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 801' FNL & 683' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 30 15S 8E		8. WELL NAME and NUMBER: ANR 15-8-30-11
		9. API NUMBER: 4300731256
		10. FIELD AND POOL, OR WILDCAT: FERRON SS/WILDCAT
		COUNTY: CARBON
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 12/1/2007	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: CHG 11-3/4" CSG
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
On 11/21/2007 John Egelston, XTO Energy Drilling Engineer, received verbal approval from Dustin Doucet, Utah DOGM, to run 11-3/4" 42#, H-40 at 2200' in lieu of 11-3/4", 47#, J-55 casing.

**COPIES OF ORIGINAL**  
Date: 12-10-2007  
Initials: VS

NAME (PLEASE PRINT) HOLLY C. PERKINS	TITLE REGULATORY COMPLIANCE TECH
SIGNATURE <i>Holly C. Perkins</i>	DATE 11/28/2007

(This space for State use only)

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
DATE: 12/5/07  
BY: *[Signature]*

RECEIVED  
DEC 03 2007  
DIV. OF OIL, GAS & MINING

\* See Sundry dated 11/28/07 Changing plan to 10 3/4" - A needs this Approval

Well name:	<b>2007-06 XTO ANR 15-8-30-11</b>		
Operator:	<b>XTO Energy, Inc.</b>		Project ID:
String type:	Surface		43-015-31256
Location:	Carbon County		

**Design parameters:**

**Collapse**

Mud weight: 8.400 ppg  
 Design is based on evacuated pipe.

**Burst**

Max anticipated surface pressure: 1,760 psi  
 Internal gradient: 0.120 psi/ft  
 Calculated BHP: 2,000 psi  
  
 No backup mud specified.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Tension:**

8 Round STC: 1.80 (J)  
 8 Round LTC: 1.80 (J)  
 Buttress: 1.60 (J)  
 Premium: 1.50 (J)  
 Body yield: 1.50 (B)

Tension is based on air weight.  
 Neutral point: 1,752 ft

**Environment:**

H2S considered? No  
 Surface temperature: 65 °F  
 Bottom hole temperature: 93 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 150 ft

Cement top: 1,325 ft

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 7,415 ft  
 Next mud weight: 8.400 ppg  
 Next setting BHP: 3,236 psi  
 Fracture mud wt: 19.250 ppg  
 Fracture depth: 2,000 ft  
 Injection pressure: 2,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft <sup>3</sup> )
1	2000	11.75	42.00	H-40	ST&C	2000	2000	10.959	1340.1
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	873	1040	1.192	2000	1980	0.99	84	307	3.65 J

Prepared by: Helen Sadik-Macdonald  
 Div of Oil, Gas & Minerals

Phone: 801-538-5357  
 FAX: 801-359-3940

Date: December 5, 2007  
 Salt Lake City, Utah

**ENGINEERING STIPULATIONS:**

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
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3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 801' FNL x 683' FWL CITY AZTEC STATE NM ZIP 87410		8. WELL NAME and NUMBER: ANR #15-8-30-11
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 30 15S 8E S		9. API NUMBER: 4300731256
COUNTY: CARBON		10. FIELD AND POOL, OR WILDCAT: Ferron Sandstone
STATE: UTAH		

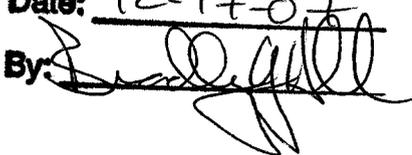
**11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

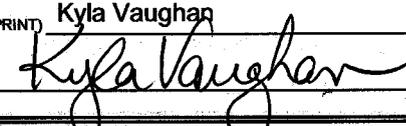
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>12/3/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>extend &amp; deepen pits</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Due to increased size of an available rig, XTO would like to extend and deepen the pits on this location. A verbal okay was given by Mark Jones for the work to begin.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: 12-17-07  
By: 

NAME (PLEASE PRINT) <u>Kyla Vaughan</u>	TITLE <u>Regulatory Compliance</u>
SIGNATURE 	DATE <u>12/3/2007</u>

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**COPY SENT TO OWNER**  
Date: 12-19-2007  
Initials: KV

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**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: XTO ENERGY INC. Operator Account Number: N 2615  
 Address: 382 CR 3100  
city AZTEC  
state NM zip 87410 Phone Number: (505) 333-3100

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4300731256	ANR 15-8-30-11		NWNW	30	15S	8E	CARBON
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	16583	12/12/2007		12/31/07		
Comments: <u>FRSD</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

HOLLY C PERKINS  
 Name (Please Print)  
Holly C. Perkins  
 Signature  
 Regulatory Compliance Tech 12/17/2007  
 Title Date

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DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: Fee
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
		7. UNIT or CA AGREEMENT NAME: N/A
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: ANR 15-8-30-11
2. NAME OF OPERATOR XTO ENERGY INC.		9. API NUMBER: 4300731256
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		10. FIELD AND POOL, OR WILDCAT: WILDCAT FERRON SS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 801' FNL & 683' FWL COUNTY: CARBON QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWNW 30 15S 8E STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u>12-3-07</u>	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <u>SPUD</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
 XTO Energy Inc. spudded this well on 12/3/2007 with 24" conductor hole drilled to 105'. Cemented 20", conductor casing @ 105' with 17 yds Redimix cement.  
 Continuing to drill . . .

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NAME (PLEASE PRINT) <u>HOLLY C. PERKINS</u>	TITLE <u>REGULATORY COMPLIANCE TECH</u>
SIGNATURE	DATE <u>12/17/2007</u>

(This space for State use only)

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>XTO ENERGY INC.</b>		8. WELL NAME and NUMBER: <b>ANR 15-8-30-11</b>
3. ADDRESS OF OPERATOR: <b>382 CR 3100</b> CITY <b>AZTEC</b> STATE <b>NM</b> ZIP <b>87410</b>		9. API NUMBER: <b>4300731256</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>801' FNL &amp; 683' FWL</b>		10. FIELD AND POOL, OR WILDCAT: <b>FERRON SANDSTONE</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 30 15S 8E</b>		COUNTY: <b>CARBON</b>
		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input checked="" type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

XTO Energy Inc. proposes to change the surface casing hole size from 14.75" to 13.5" due to surface equipment restrictions. The revised cementing program is as follows:

I. Lead Cement: 237 sx of CBM Light Weight Cement with 10 pps Gilsonite and 1/4 pps celloflake mixed at 10.5 ppg and 4.15 ft<sup>3</sup>/sk.

II. Tail Cement: 400 sx of Type V cement (or equivalent) containing 1% CaCl, 1/4 pps Flocele, and 10% Cal\_Seal mixed at 14.2 ppg and 1.61 ft<sup>3</sup>/sk.

III. Slurry Volume is 1625 ft<sup>3</sup>, 100% excess of calculated annular volume to 2200'.

A DV/ECP will be placed 50' above the top of the uppermost seam of coal, and the cement slurry will be broken into 2 stages as appropriate to ensure isolation of the surface casing.

COPY SENT TO OPERATOR  
Date: 1-7-2008  
Initials: KS

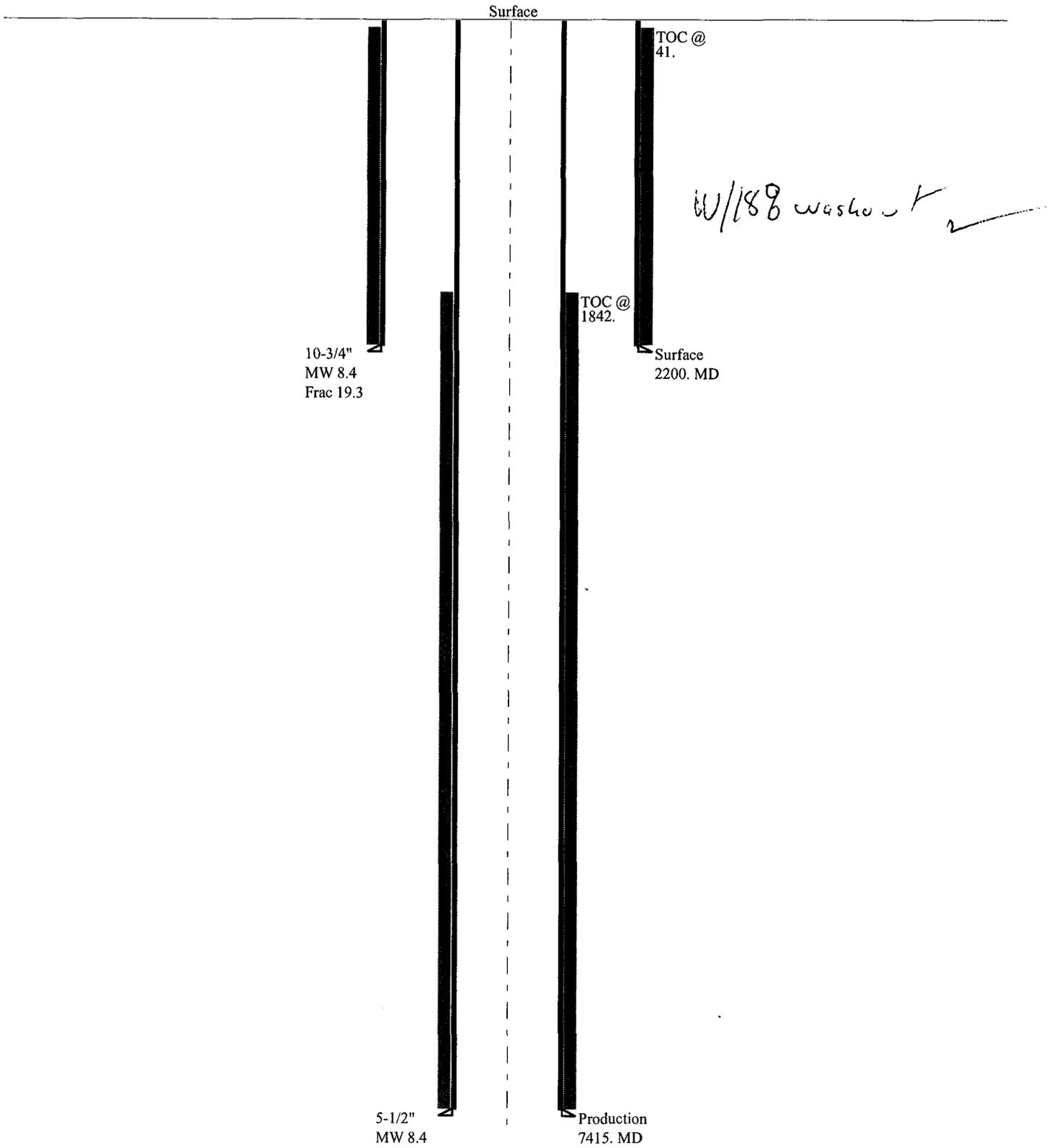
NAME (PLEASE PRINT) <u>LORRI D. BINGHAM</u>	TITLE <u>REGULATORY COMPLIANCE TECH</u>
SIGNATURE	DATE <u>12/18/2007</u>

(This space for State use only)

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**  
DATE: 1/3/2008 (See Instructions on Reverse Side)  
BY: [Signature]

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Casing Schematic



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE</b>
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>ANR 15-8-30-11</b>
2. NAME OF OPERATOR: <b>XTO ENERGY INC.</b>		9. API NUMBER: <b>4300731256</b>
3. ADDRESS OF OPERATOR: <b>382 CR 3100</b> CITY <b>AZTEC</b> STATE <b>NM</b> ZIP <b>87410</b>		PHONE NUMBER: <b>(505) 333-3100</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>801' FNL &amp; 683' FWL</b>		10. FIELD AND POOL, OR WILDCAT: <b>FERRON SS / WILDCAT</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 30 15S 08E S</b>		COUNTY: <b>CARBON</b>
		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start:  	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: <b>1/10/2008</b>	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>MONTHLY REPORTING</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, v olumes, etc.

Attached is XTO Energy's monthly report for the period of 10/05/2007 to 01/10/2008.

NAME (PLEASE PRINT) <u>DOLENA JOHNSON</u>	TITLE <u>OFFICE CLERK</u>
SIGNATURE <u><i>Dolena Johnson</i></u>	DATE <u>1/11/2008</u>

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**JAN 18 2008**

DIV. OF OIL, GAS & MINING

## Farmington Well Workover Report

ANR	Well #15-8-30-11	FERRON
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Objective: Drill & Complete

First Report: 10/17/2007

AFE: 653882

10/18/07 Notified Bart Kittle, (State of Utah, Price, Utah) & Mark Reynolds, (COOP Mine, Huntington UT) on 10/18/07 regarding pending construction. Built new loc, acc road & res pit. Lnd res pit. Susp rpts pending further activity.

CARBON

ANR 15-8-30-11

LOCATION: NWNW, Sec 30, T15S, R8E  
CONTRACTOR: Frontier Drilling, 1  
WI %:  
AFE#: 653882  
API#: 43007312560000  
DATE FIRST RPT: 12/1/2007

DATE: 12/1/2007  
OPERATION: WOWeather, Loc. Conductor  
DFS: -11.29 Footage Made: Measured Depth:  
MW: VISC:  
WOB: RPM:  
DMC: CMC: DWC: 25,840.00 CWC: 25,840.00  
TIME DIST: (24.00) WOWeather, Loc. Conductor.

DATE: 12/2/2007  
OPERATION: WOWeather, Loc. Conductor  
DFS: -10.29 Footage Made: Measured Depth:  
MW: VISC:  
WOB: RPM:  
DMC: CMC: DWC: 26,740.00 CWC: 52,580.00  
TIME DIST: (24.00) WOWeather, Loc. Conductor.

DATE: 12/3/2007  
OPERATION: WOWeather, Loc. Conductor  
DFS: -9.29 Footage Made: Measured Depth:  
MW: VISC:  
WOB: RPM:  
DMC: CMC: DWC: 25,040.00 CWC: 77,620.00  
TIME DIST: (24.00) WOWeather, Loc. Conductor.

DATE: 12/4/2007  
OPERATION: WOWeather, Loc., Set Conductor  
DFS: -8.29 Footage Made: Measured Depth:  
MW: VISC:  
WOB: RPM:  
DMC: CMC: DWC: 28,540.00 CWC: 106,160.00  
TIME DIST: (24.00) WOWeather, Loc. Conductor.

DATE: 12/5/2007  
OPERATION: Moving  
DFS: -7.29 Footage Made: Measured Depth:  
MW: VISC:  
WOB: RPM:  
DMC: CMC: DWC: 31,390.00 CWC: 137,550.00  
TIME DIST: (12.00) Rig down, Moving. (12.00) WO Daylight to Move.

DATE: 12/6/2007  
OPERATION: Move & RU  
DFS: -6.29 Footage Made: Measured Depth:  
MW: VISC:  
WOB: RPM:  
DMC: CMC: DWC: 73,450.00 CWC: 211,000.00  
TIME DIST: (12.00) RD, Move. (12.00) WO Daylight to finish RD & Move.

DATE: 12/7/2007  
OPERATION: Move & RU  
DFS: -5.29 Footage Made: Measured Depth:  
MW: VISC:  
WOB: RPM:  
DMC: CMC: DWC: 32,340.00 CWC: 243,340.00  
TIME DIST: (12.00) Move & Rig Up. (12.00) Wait on daylights to RU.

DATE: 12/8/2007  
OPERATION: WO Weather  
DFS: -4.29 Footage Made: Measured Depth:  
MW: VISC:  
WOB: RPM:  
DMC: CMC: DWC: 28,140.00 CWC: 271,480.00  
TIME DIST: (24.00) Tried to Move, WOWeather.

DATE: 12/9/2007  
 OPERATION: Move & Rig Up  
 DFS: -3.29 Footage Made: Measured Depth:  
 MW: VISC:  
 WOB: RPM:  
 DMC: CMC: DWC: 27,090.00 CWC: 298,570.00  
 TIME DIST: (12.00) MIRU. (12.00) WO Weather/Daylights to Move.

DATE: 12/10/2007  
 OPERATION: Move & Rig Up  
 DFS: -2.29 Footage Made: Measured Depth:  
 MW: VISC:  
 WOB: RPM:  
 DMC: CMC: DWC: 44,780.00 CWC: 343,350.00  
 TIME DIST: (12.00) MIRU. (12.00) WO Daylights to finish Rigging Up.

DATE: 12/11/2007  
 OPERATION: Thawing Out / RU  
 DFS: -1.29 Footage Made: Measured Depth:  
 MW: VISC:  
 WOB: RPM:  
 DMC: CMC: DWC: 31,040.00 CWC: 374,390.00  
 TIME DIST: (12.00) Rigging Up / Thawing Out. (12.00) Rigging Up / Thawing Out.

DATE: 12/12/2007  
 OPERATION: RU / PUDC's  
 DFS: -0.29 Footage Made: Measured Depth:  
 MW: VISC:  
 WOB: RPM:  
 DMC: CMC: DWC: 38,110.00 CWC: 412,500.00  
 TIME DIST: (12.00) WO Conductor, "Rotating Head / Road Blocked". (6.00) Weld On Conductor. (6.00) Change Pump to 6" Liners, Hook up Bloolie Line & Flowline.

DATE: 12/13/2007  
 OPERATION: Drill @ 295'  
 DFS: 0.71 Footage Made: 182 Measured Depth: 295  
 MW: 8.5 VISC: 35  
 WOB: 17 RPM: 90  
 DMC: 1,775.75 CMC: 1,775.75 DWC: 40,860.00 CWC: 453,360.00  
 TIME DIST: (5.50) Wait On Bit. (1.50) PUBHA & Tag @ 113'. (5.00) Drill Actual 113' - 185'. (2.00) Drill Actual 185' - 214'. (1.50) Trip Out to change out Bit. (4.00) Ream to Bottom. (4.50) Drill Actual 214' - 295'.

DATE: 12/14/2007  
 OPERATION: Drill @ 630'  
 DFS: 1.71 Footage Made: 335 Measured Depth: 630  
 MW: 8.7 VISC: 37  
 WOB: 17 RPM: 90  
 DMC: 2,240.47 CMC: 4,016.22 DWC: 61,090.00 CWC: 514,450.00  
 TIME DIST: (5.00) Drill Actual 295' - 420'. (0.50) Luberciate Rig. (0.50) Deviation Survey @ 347' 3/4". (3.00) Drill Actual 420'-519'. (0.50) Loss Circ./Work Tight Hole. (0.50) Pump away volume while mixing LCM. (0.50) Trip Out 3 stands of Drill Collars. (1.50) Build Volume & 15% LCM / Work Pipe. (1.00) Condition Mud & Circulate. (5.00) Circulate & Strip Out LCM. (0.50) Trips. (0.50) Kelly Up, Wash 30'. (1.00) Drill Actual 514'-546'. (0.50) Stab Rubbers, RU Flair Lines. (3.50) Drill Actual 546'-630'.

DATE: 12/15/2007  
 OPERATION: Loss Circ. @ 698'  
 DFS: 2.71 Footage Made: 68 Measured Depth: 698  
 MW: 8.4 VISC: 51  
 WOB: 0 RPM: 0  
 DMC: 3,132.60 CMC: 7,148.82 DWC: 248,090.00 CWC: 762,540.00  
 TIME DIST: (1.50) Drill Actual 630'-698'. (1.00) Try to Circulate. (0.50) Trips Out 3 Stands. (3.00) Condition Mud, Build Volume/Wait on Water. (1.00) Try to Circulate, No Returns. (5.00) Condition Mud & Build Volume. (10.50) Thaw Out Rig. (1.50) Condition Mud & Circulate.

DATE: 12/16/2007  
 OPERATION: Loss Circ. @ 698'

DFS: 3.71 Footage Made: 0 Measured Depth: 698  
 MW: 8.4 VISC: 44  
 WOB: 0 RPM: 0  
 DMC: 6,529.17 CMC: 13,677.99 DWC: 32,040.00 CWC: 794,580.00  
 TIME DIST: (3.00) Condition Mud, Build Vol. w/ 15% LCM. (1.00) Try to Circ. Pump 200bbls./No Returns. (1.50) Condition Mud, Build Vol.. (1.50) Wait On Water & Mud. (3.00) Wait On Mud. (2.00) Condition Mud, Build Vol.. (12.00) Build Mud, Pump Down Back Side @ 35%.

DATE: 12/17/2007  
 OPERATION: TIH to Drill  
 DFS: 4.71 Footage Made: 125 Measured Depth: 823  
 MW: 8.4 VISC: 69  
 WOB: 0 RPM: 0  
 DMC: 4,709.27 CMC: 18,387.26 DWC: 30,360.00 CWC: 824,940.00  
 TIME DIST: (2.00) Condition Mud, Build Volume. (1.00) Wait on Air Comp. (1.00) Circulate Got Returns Back, "Air/Mud". (1.00) Trips in Tag Bridge @ 625' Ream to Bottom. (3.50) Drill Actual 698'-823'. (1.50) Work on Air Pack/Work Pipe. (0.50) Trips Out to 482'. (1.50) Wait on Part for Air Pack. (11.50) Wait on Air Pack. (0.50) Circulate & Condition mud.

DATE: 12/18/2007  
 OPERATION: Loss Circ.  
 DFS: 5.71 Footage Made: 0 Measured Depth: 823  
 MW: 8.9 VISC: 56  
 WOB: 20 RPM: 90  
 DMC: 4,532.21 CMC: 22,919.47 DWC: 60,425.00 CWC: 885,365.00  
 TIME DIST: (1.50) Trips in to 700' tag bridge Ream 120' to Bottom. (4.00) Drill Actual 823 - 928'. (0.50) Deviation Survey @ 855' 2". (0.50) Drill Actual 928' - 942'. (1.00) Wait On Air. (1.00) Try to Circulate No Returns. (0.50) Trips to 480'. (3.00) Condition Mud Build Volume. (12.00) Mix Mus & pump down backside.

DATE: 12/19/2007  
 OPERATION: Drill @ 1278'  
 DFS: 6.71 Footage Made: 336 Measured Depth: 1,278  
 MW: 8.5 VISC: 54  
 WOB: 15 RPM: 72  
 DMC: 10,331.26 CMC: 33,250.73 DWC: 149,914.00 CWC: 1,035,279.00  
 TIME DIST: (0.50) Cond. Mud & Circ. w/Returns. (0.50) Trips to Bottom. (2.00) Drill Actual 942' - 974'. (2.00) Trips Out for Bit. (0.50) Make Up Bit. (1.50) Trips in & Break Circ. @ 482'. (0.50) Trips Tag Bridge @ 800', LD 6jts.. (3.00) Ream 174' to bottom. (1.50) Drill Actual 974' - 991'. (7.00) Drill Actual 991' - 1,150'. (0.50) Deviation Survey 1,050' 1 3/4". (4.50) Drill Actual 1,150' - 1,278'.

DATE: 12/20/2007  
 OPERATION: Loss Circ. @ 1596'  
 DFS: 7.71 Footage Made: 0 Measured Depth: 1,278  
 MW: 8.9 VISC: 44  
 WOB: 15 RPM: 72  
 DMC: 5,088.21 CMC: 38,338.94 DWC: 56,215.00 CWC: 1,091,494.00  
 TIME DIST: (6.00) Drill Actual 1278' - 1405'. (0.50) Deviation Survey @ 1332' 2 1/4". (5.50) Drill Actual 1405' - 1469'. (12.00) Drill Actual 1469' - 1596'.

DATE: 12/21/2007  
 OPERATION: WO Water/ Weather  
 DFS: 8.71 Footage Made: 0 Measured Depth: 1,637  
 MW: 8.6 VISC: 36  
 WOB: RPM:  
 DMC: 4,074.61 CMC: 42,413.55 DWC: 75,475.00 CWC: 1,166,969.00  
 TIME DIST: (1.00) Condition, Mud, Circ. WO Returns. (1.00) Drill Actual 1596' - 1637'. (1.00) Dev. Survey 1559' 1.75, Rig Service. (1.00) Trip out 520'. (6.00) Wait on Hot Oilier, "Thaw Reserve Pit". (2.00) Trip Out for New Bit. (2.00) X/O Bit Trip, "LD Mud Motor". (10.00) Wait on Water, "Weather".

DATE: 12/22/2007  
 OPERATION: Drilling at 1680'  
 DFS: 9.71 Footage Made: 43 Measured Depth: 1,680  
 MW: 8.5 VISC: 35  
 WOB: 20 RPM: 70  
 DMC: 42,413.55 CMC: 74,665.00 CWC: 1,241,634.00

TIME DIST: (11.50) Wait on water. (0.50) Service rig. (3.00) Waiting on water. (2.00) TIH to drill. (2.00) Thaw out stand pipe. (1.50) Ream 30' to bottom. (3.50) Drilling with airriated mud 1637' to 1680'.

DATE: 12/23/2007  
OPERATION: Working tight hole at 1820' to 1100'  
DFS: 10.71 Footage Made: 203 Measured Depth: 1,883  
MW: 8.5 VISC: 35  
WOB: 15 RPM: 70  
DMC: CMC: 42,413.55 DWC: 31,785.00 CWC: 1,273,419.00  
TIME DIST: (9.00) Drilling 13 1/2" hole 1680' to 1850'. (0.50) Service rig. (2.50) Drilling 13 1/2" hole 1850' to 1883'. (12.00) Work tight hole 1820' to 1100'.

DATE: 12/24/2007  
OPERATION: RD csg crew  
DFS: 11.71 Footage Made: 0 Measured Depth: 1,883  
MW: 8.4 VISC: 28  
WOB: 0 RPM: 0  
DMC: CMC: 42,413.55 DWC: 31,445.00 CWC: 1,304,864.00  
TIME DIST: (1.00) Short Trip to 1100'. (2.00) Wash and ream 1820' to 1880'. (1.00) Circ hole, little to no returns to surf. (3.00) TOH to run csg. lay down 8" DC's. (3.00) RU Weatherford csg crew and RIH with FS, 1 jt, FC, 6 jts csg and ECP and csg to 1025', set down on bridge or tight hole. (9.00) Work csg at 1025', could not work past. (4.00) RU laydown machine and POH laying down 10 3/4" csg. (1.00) RD csg crew.

DATE: 12/25/2007  
OPERATION: Jarring stuck pipe at 1659'  
DFS: 12.71 Footage Made: 0 Measured Depth: 1,883  
MW: VISC:  
WOB: 0 RPM: 0  
DMC: CMC: 42,413.55 DWC: 31,445.00 CWC: 1,336,309.00  
TIME DIST: (2.00) Wait on new jars. (2.00) TIH for wiper trip. (2.00) Thaw out bleed off line for air. (1.00) Wash and ream 90' to bottom. (2.00) Circ and pump 2 sweeps to prep for csg. (3.00) Work tight hole 1883 to 1659'. (12.00) Jarring on stuck pipe at 1659', made +/- 2'.

DATE: 12/26/2007  
OPERATION: Jarring on stuck pipe at 1659'  
DFS: 13.71 Footage Made: 0 Measured Depth: 1,883  
MW: VISC:  
WOB: 0 RPM: 0  
DMC: CMC: 42,413.55 DWC: 30,885.00 CWC: 1,367,194.00  
TIME DIST: (6.00) Jarring on stuck pipe at 1659'. (0.50) Service rig. (17.50) Jarring on stuck pipe at 1659'.

DATE: 12/27/2007  
OPERATION: TIH with fishing tools  
DFS: 14.71 Footage Made: 0 Measured Depth: 1,883  
MW: VISC:  
WOB: 0 RPM: 0  
DMC: CMC: 42,413.55 DWC: 32,655.00 CWC: 1,399,849.00  
TIME DIST: (2.00) Jarring on stuck pipe at 1659'. (5.00) Inspect derrick, remove all loose lights from derrick. (3.50) Wait on back off truck, RU Wireline Specialties. (3.50) Freepoint stuck pipe, 100% at 1474', 80% at 1495', 90% at 1525', 50% at 1560'. (3.00) Run 3 back off shots to get back off, last shot, blew DP dry and shot dry shot, POH with wireline lost CCL and shot rod, RD Wireline Specialties. (2.00) TOH with DP, 3 DC's, Jars and 2 DC's. (1.00) Lay down DC and Jars. (2.00) PU fishing tools. (2.00) TIH with fishing tools.

DATE: 12/28/2007  
OPERATION: Wait on orders  
DFS: 15.71 Footage Made: 0 Measured Depth: 1,883  
MW: 8.3 VISC: 28  
WOB: 0 RPM: 0  
DMC: CMC: 42,413.55 DWC: 81,475.00 CWC: 1,481,324.00

TIME DIST: (5.00) Thaw out kelly hose and stand pipe. (1.00) Wash to fish and screw into fish at 1521'. (3.00) Jar on fish and beat down or fish, no movement. (1.00) Attempt to circ with aerated water and gel while jarring on fish, no movement. (1.50) Jar on fish at 1521', no movement. (0.50) Visually inspect derrick. (6.50) Jar on fish at 1521', no movement, started to loose movement in bumper sub. (2.50) RU Wireline Specialties and freepoint, free to top of jars, 80% free to screw in sub and stuck 10' below screw in sub, back off at screw in sub and RD wireline. (2.00) TOH, laying down fishing tools. (1.00) Waiting on orders.

DATE: 12/29/2007  
OPERATION: RU Halliburton to set cement plug  
DFS: 16.71 Footage Made: 0 Measured Depth: 1,883  
MW: VISC:  
WOB: RPM:  
DMC: CMC: 42,413.55 DWC: 64,375.00 CWC: 1,545,699.00  
TIME DIST: (18.00) Wait on inflatable BP. (1.50) PU Weatherford 8 3/4" inflatable BP and tag bridge 1422'. (1.50) Move csg off rack to make room for Halliburton. (3.00) RU Halliburton pump truck and bulk truck.

DATE: 12/30/2007  
OPERATION: Wait to tag cement plug  
DFS: 17.71 Footage Made: 0 Measured Depth: 1,883  
MW: VISC:  
WOB: RPM:  
DMC: CMC: 42,413.55 DWC: 49,985.00 CWC: 1,595,684.00  
TIME DIST: (2.50) RU Halliburton and set inflatable BP at 1418', could not shear off with pressure, turned to left and released off tool. (1.50) Round trip DP to check back off from BP, OK released at "J" slot. (2.50) RU Halliburton and pump 245 sk, 300', cement plug. (0.50) PUH 8 stds. (7.50) WOC. (0.50) RIH and tag top of cement plug at 1271'. (2.50) RU Halliburton and spot 200' cement plug 1271' to 1071'. (0.50) PUH 7 stds. (6.00) WOC.

DATE: 12/31/2007  
OPERATION: RU Halliburton to spot cement plug  
DFS: 18.71 Footage Made: 0 Measured Depth: 1,883  
MW: VISC:  
WOB: RPM:  
DMC: CMC: 42,413.55 DWC: 28,310.00 CWC: 1,623,994.00  
TIME DIST: (1.50) WOC. (3.50) TIH, tag top of plug at 860', POH laying down DP and DC's. (4.50) Circ pits and mix mud, to 40 vis and 40% LCM, tried to load hole, well on vacuum. (1.00) RU Halliburton and pump 50 sk cement plug at 185'. (8.00) WOC. (2.50) TIH PU DP, tag cement at 642'. (0.50) TOH to 185'. (2.50) RU Halliburton and thaw out truck.

DATE: 1/1/2008  
OPERATION: WOC, TOC 3' below flowline  
DFS: 19.71 Footage Made: 0 Measured Depth: 1,883  
MW: VISC:  
WOB: RPM:  
DMC: CMC: 42,413.55 DWC: 86,670.00 CWC: 1,710,664.00  
TIME DIST: (1.50) Pump 50 sk plug at 185'. (12.50) WOC, TIH, tag plug at 600', PUH and try to stop lost circ, hole holding fluid. (0.50) Lay down 18 jts DP. (1.00) RU Halliburton and hold safety meeting. (5.00) Thaw out truck and lines to pump plug. (0.50) Pump 200 sk plug, pull DP, cement standing 3' below flow line. (3.00) RD Halliburton and WOC, Release Rig @ 06:00, 1/1/2008.

DATE: 1/2/2008  
OPERATION: Rigging Down  
DFS: 20.71 Footage Made: 0 Measured Depth: 1,883  
MW: VISC:  
WOB: RPM:  
DMC: CMC: 42,413.55 DWC: 22,750.00 CWC: 1,733,414.00  
TIME DIST: (12.00) RU & Tear Down. (12.00) RU & Tear Down.

DATE: 1/3/2008  
OPERATION: RD & Moving off Mountain  
DFS: 21.71 Footage Made: 0 Measured Depth: 1,883  
MW: VISC:  
WOB: RPM:  
DMC: CMC: 42,413.55 DWC: 45,000.00 CWC: 1,778,414.00

TIME DIST: (12.00) RU & Tearing Down, "Moving to bottom of Mountain". (12.00) Wait on Daylight to RD & Move Off.

DATE: 1/4/2008

OPERATION: RD & Move off Mountain

DFS: 22.71 Footage Made: 0 Measured Depth: 1,883

MW: VISC:

WOB: RPM:

DMC: CMC: 42,413.55 DWC: 67,000.00 CWC: 1,845,414.00

TIME DIST: (12.00) RU & Tear Down. (12.00) WO Daylight to Finish RD & Move.

DATE: 1/5/2008

OPERATION: RD & Move off Mountain

DFS: 23.71 Footage Made: 0 Measured Depth: 1,883

MW: VISC:

WOB: RPM:

DMC: CMC: 42,413.55 DWC: 67,000.00 CWC: 1,912,414.00

TIME DIST: (12.00) RD & Move off Mountain. (12.00) WO Daylights Finish Move Off.

**From:** Dustin Doucet  
**To:** Kettle, Bart  
**CC:** Jarvis, Dan; John\_Egelston@xtoenergy.com  
**Date:** 12/28/2007 8:52 AM  
**Subject:** ANR 15-8-30-11 P&A

Bart,

I talked with John Egelston with XTO this morning and they have decided to plug this well. As you know, they drilled this well to about 1850', tried to run casing but could not get below 1000'. They then reamed out to TD and when pulling out of the hole got stuck 250' off of bottom. After fishing for about 1 week, they have decided to plug the well. Top of fish is at 1525'. Fish is 124' long. Approval to plug in the following manner was given verbally today to XTO:

Set inflatable packer @ 1520' and spot 300' of Type V cement on top (lead cement for surface casing) WOC and tag. If tag is sufficient then POOH to 150' and set plug back to surface using surface casing tail cement (CBM Light). Ensure plug stays at surface, weld on subsurface marker and wait until spring to drill a rig skid (will submit APD and get approval prior to that time).

Let me know if you have questions.

Dustin

Dustin K. Doucet  
Petroleum Engineer  
Utah Division of Oil, Gas and Mining  
Oil and Gas Program  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84116

Phone: (801) 538-5281  
fax: (801) 359-3940  
email: dustindoucet@utah.gov

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>XTO ENERGY INC.</b>		8. WELL NAME and NUMBER: <b>ANR 15-8-30-11</b>
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY <b>AZTEC</b> STATE <b>NM</b> ZIP <b>87410</b>	PHONE NUMBER: <b>(505) 333-3100</b>	9. API NUMBER: <b>4300731256</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>801' FNL &amp; 683' FWL</b>		10. FIELD AND POOL, OR WILDCAT: <b>FERRON SANDSTONE</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 30 15S 08E S</b>		COUNTY: <b>CARBON COUNTY</b>
		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>1/1/2008</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Dustin Doucet, Utah Division of Oil, Gas & Mining, and John Egelston, XTO Drilling, spoke on 12/28/2007 regarding plugging of this well. Well was drilled to approximately 1850' and XTO tried to run casing but could not get below 1000'. XTO reamed out to TD and when pulling out of hole got stuck 250' off bottom. Fished for one week had no results and decision made to plug well. Top of fish is at 1525'; fish is 124' long. Approval to plug in the following manner was verbally approved on 12/28/2007 by Dustin Doucet:

Set inflatable packer @ 1520' & spot 300' of Type V cement on top (lead cement for surface casing) WOC and tag. If tag is sufficient then POOH to 150' and set plug back to surface using surface casing tail cement (CBM Light). Ensure plug stays at surface, weld on subsurface marker & wait until spring to drill a rig skid (will submit APD & get approval prior to that time).

**COPY SENT TO OPERATOR**  
Date: 1-24-2008  
Initials: KS

NAME (PLEASE PRINT) HOLLY C. PERKINS TITLE REGULATORY COMPLIANCE TECH  
SIGNATURE Holly C. Perkins DATE 1/8/2008

(This space for State use only)

**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**

DATE: 1/22/08  
BY: [Signature] (See Instructions on Reverse Side)

**RECEIVED**  
**JAN 10 2008**  
DIV. OF OIL, GAS & MINING

\* See attached email confirmation of approved plan 1/28/07

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. LEASE DESIGNATION AND SERIAL NUMBER: **FEE**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
**ANR 15-8-30-11**

9. API NUMBER:  
**4300731256**

10. FIELD AND POOL, OR W/LDCAT  
**WC FERRON SANDSTONE**

11. QTR./QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**NWNW 30 15S 08E**

12. COUNTY  
**CARBON**

13. STATE  
**UTAH**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
**XTO Energy Inc.**

3. ADDRESS OF OPERATOR:  
**382 CR 3100 CITY AZTEC STATE NM ZIP 87410**

PHONE NUMBER:  
**(505) 333-3100**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **801' FNL & 683' FWL**  
AT TOP PRODUCING INTERVAL REPORTED BELOW:  
AT TOTAL DEPTH:

14. DATE SPUDDED: **12/3/2007**

15. DATE T.D. REACHED:

16. DATE COMPLETED: **1/1/2008**

ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
**9824' GL**

18. TOTAL DEPTH: MD  
TVD

19. PLUG BACK T.D.: MD  
TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD  
PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
24"	20"		0	105		425	0	SURF	0
13 1/2"	10 3/8 H40		0	1,858			0	SURF	0

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A)								Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: \_\_\_\_\_

30. WELL STATUS:

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in Item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

TO BE SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth, interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) HOLLY C. PERKINS TITLE REGULATORY COMPLIANCE TECH  
 SIGNATURE *Holly C. Perkins* DATE 1/16/2008

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
 1594 West North Temple, Suite 1210  
 Box 145801  
 Salt Lake City, Utah 84114-5801

Phone: 801-538-5340  
 Fax: 801-359-3940

**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>FEE</b>
2. NAME OF OPERATOR: <b>XTO ENERGY INC.</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 382 CR 3100 CITY <b>AZTEC</b> STATE <b>NM</b> ZIP <b>87410</b>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>801' FNL &amp; 683' FWL</b>		8. WELL NAME and NUMBER: <b>ANR 15-8-30-11</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 30 15S 08E</b>		9. API NUMBER: <b>4300731256</b>
PHONE NUMBER: <b>(505) 333-3100</b>		10. FIELD AND POOL, OR WILDCAT: <b>WILDCAT FERRON SANDSTONE</b>
COUNTY: <b>CARBON</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <b>1/1/2008</b>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

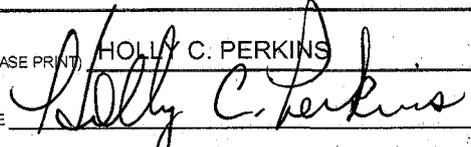
XTO Energy Inc. P&A'd this well in the following manner:

12/30/2007: MIRU Halliburton. Set inflatable BP @ 1418'; could not shear off w/pressure. Turned to left & released off tool. Ppd 245 sx, 300', cmt plug. RIH & tag TOC @ 1271'. Spotted 200' cmt plug 1271'-1071'.

12/31/07: Tagged top of plug @ 185'. Ppd 50 sx cmt plug @ 185'. Tagged cmt @ 642'.

1/1/08: Ppd 50 sx @ 185'. Tagged plug @ 600'. Ppd 200 sx plug, pulled DP, cmt standing 3' below flow line. Released rig 1/1/2008.

Halliburton Cementing Job Summary attached.

NAME (PLEASE PRINT) <b>HOLLY C. PERKINS</b>	TITLE <b>REGULATORY COMPLIANCE TECH</b>
SIGNATURE 	DATE <b>1/16/2008</b>

(This space for State use only)

**RECEIVED**  
**JAN 22 2008**  
**DIV. OF OIL, GAS & MINING**

The Road to Excellence Starts with Safety

Sold To #: 301599	Ship To #: 2621204	Quote #:	Sales Order #: 5576462
Customer: XTO ENERGY INC		Customer Rep: CONEFER, MIKE	
Well Name: ANR	Well #: 15-8-30-11	API/UWI #:	
Field: ANSCHUTZ RANCH	City (SAP): UNKNOWN	County/Parish: Carbon	State: Utah
Contractor: Frontier Drilling		Rig/Platform Name/Num: FRONTIER 1	
Job Purpose: Cement Multiple Stages			
Well Type: Development Well		Job Type: Cement Multiple Stages	
Sales Person: KRUGER, ROBERT		Srvc Supervisor: HANSEN, DUSTIN	MBU ID Emp #: 332377

Job Personnel

HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #	HES Emp Name	Exp Hrs	Emp #
DEARING, KEN A	11.0	239372	HANSEN, DUSTIN T	74.0	332377	PRICE, TIM	83.5	439394
SNOW, JANELE	74.0	370186	VANDERMEER, ROD	11.0	363541	WALLACE, TYLER	83.5	408055

Equipment

HES Unit #	Distance-1 way						
10624106	100 mile	10825967	100 mile	10829452	100 mile	10991611	100 mile
10991613	100 mile	10994445	100 mile	10994447	100 mile	7646T	100 mile

Job Hours

Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours	Date	On Location Hours	Operating Hours
12-28-07	4	0	12-29-07	24	8	12-30-07	24	4

TOTAL Total is the sum of each column separately

Job

Job Times

Formation Name	Date	Time	Time Zone
Formation Depth (MD) Top	Called Out	28 - Dec - 2007	09:00 MST
Formation Depth (MD) Bottom	On Location	28 - Dec - 2007	20:00 MST
Form Type	Job Started	29 - Dec - 2007	06:30 MST
Job depth MD	Job Completed	01 - Jan - 2008	03:00 MST
Water Depth	Departed Loc	01 - Jan - 2008	07:30 MST
Perforation Depth (MD) From			
Perforation Depth (MD) To			

Well Data

Description	New / Used	Max pressure psig	Size in	ID in	Weight lbm/ft	Thread	Grade	Top MD ft	Bottom MD ft	Top TVD ft	Bottom TVD ft
Open Hole				13.5					1856.		
Surface Casing	Used		10.75	9.784	54.		J-55		1856.		
Multiple Stage Cementer	Used							1527.	1528.		

Tools and Accessories

Type	Size	Qty	Make	Depth	Type	Size	Qty	Make	Depth	Type	Size	Qty	Make
Guide Shoe					Packer					Top Plug			
Float Shoe					Bridge Plug					Bottom Plug			
Float Collar					Retainer					SSR plug set			
Insert Float										Plug Container			
Stage Tool										Centralizers			

Miscellaneous Materials

Gelling Agt	Conc	Surfactant	Conc	Acid Type	Qty	Conc	%
Treatment Fld	Conc	Inhibitor	Conc	Sand Type	Size	Qty	

Fluid Data

Stage/Plug #: 1	Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk

# Cementing Job Summary

Stage/Plug #: 1									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density lbm/gal	Yield ft <sup>3</sup> /sk	Mix Fluid Gal/sk	Rate bbl/min	Total Mix Fluid Gal/sk
1	Water Spacer		10.00	bbl	8.33	.0	.0	5.0	
2	50/50 Poz Tail	POZ PREMIUM 50/50 - SBM (12302)	170.0	sacks	14.35	1.19	5.19	5.0	5.19
	1 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.191 Gal	FRESH WATER							
3	Water Displacement		16.00	bbl	8.33	.0	.0	5.0	
Stage/Plug #: 2									
Fluid #	Stage Type	Fluid Name	Qty	Qty uom	Mixing Density uom	Yield uom	Mix Fluid uom	Rate uom	Total Mix Fluid uom
1	CBM Light	CBMCEM CEMENT (471113)	45.0	sacks	10.5	4.14	26.03	5.0	26.03
	2 %	CAL-SEAL 60, 50 LB BAG (101217146)							
	2 %	ECONOLITE (100001580)							
	0.3 %	VERSASET, 50 LB SK (100007865)							
	10 lbm	GILSONITE, BULK (100003700)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	26.03 Gal	FRESH WATER							
2	50/50 Poz Tail	POZ PREMIUM 50/50 - SBM (12302)	245.0	sacks	14.35	1.19	5.19	5.0	5.19
	1 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	0.125 lbm	POLY-E-FLAKE (101216940)							
	5.191 Gal	FRESH WATER							
3	Water Displacement		15.00	bbl	8.33	.0	.0	5.0	
4	TOP OUT	CMT - PREMIUM - CLASS G, 94 LB SK (100003685)	200.0	sacks	15.6	1.2	5.26		5.26
	94 lbm	CMT - PREMIUM - CLASS G REG OR TYPE V, BULK (100003685)							
	2 %	CALCIUM CHLORIDE - HI TEST PELLET (100005053)							
	5.258 Gal	FRESH WATER							
Calculated Values		Pressures			Volumes				
Displacement		Shut In: Instant		Lost Returns		Cement Slurry		Pad	
Top Of Cement		5 Min		Cement Returns		Actual Displacement		Treatment	
Frac Gradient		15 Min		Spacers		Load and Breakdown		Total Job	
Rates									
Circulating		Mixing		Displacement		Avg. Job			
Cement Left In Pipe	Amount	44 ft	Reason	Shoe Joint					
Frac Ring # 1 @	ID	Frac ring # 2 @	ID	Frac Ring # 3 @	ID	Frac Ring # 4 @	ID		
<b>The Information Stated Herein Is Correct</b>				Customer Representative Signature					

# Cementing Job Log

The Road to Excellence Starts with Safety

Sold To #: 301599	Ship To #: 2621204	Quote #:	Sales Order #: 5576462
Customer: XTO ENERGY INC		Customer Rep: CONEFER, MIKE	
Well Name: ANR	Well #: 15-8-30-11	API/UWI #:	
Field: ANSCHUTZ RANCH	City (SAP): UNKNOWN	County/Parish: Carbon	State: Utah
<b>Legal Description:</b>			
Lat: N 0 deg. OR N 0 deg. 0 min. 0 secs.		Long: E 0 deg. OR E 0 deg. 0 min. 0 secs.	
Contractor: Frontier Drilling		Rig/Platform Name/Num: FRONTIER 1	
Job Purpose: Cement Multiple Stages			Ticket Amount:
Well Type: Development Well		Job Type: Cement Multiple Stages	
Sales Person: KRUGER, ROBERT		Srvc Supervisor: HANSEN, DUSTIN	MBU ID Emp #: 332377

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Call Out	12/28/2007 09:00							
Pre-Convoy Safety Meeting	12/28/2007 10:30							HAD PROBLEMS WITH RCM TRACTOR DELAYED LEAVING FOR JOB
Crew Leave Yard	12/28/2007 17:00							
Arrive At Loc	12/28/2007 20:00							
Rig-Up Equipment	12/29/2007 04:30							
Safety Meeting - Pre Job	12/29/2007 06:00							
Pressure Test	12/29/2007 06:30						3400.0	
Pump Water	12/29/2007 06:36		4	10			30.0	PUMP WATER TO FILL DRILL PIPE
Shutdown	12/29/2007 06:42							
Drop Ball	12/29/2007 06:43							
Pump Water	12/29/2007 06:44		0.5	14				INFLATED PACKER
Shutdown	12/29/2007 07:00						2000.0	
Other	12/29/2007 07:10							COULDNT GET PACKER TO RELEASE
Other	12/29/2007 10:45							RCM AND LINES FROZEN HAD TO DETHAW THEM
Pump Water	12/29/2007 11:58		4.5	10			.0	
Pump Cement	12/29/2007 12:01		4.5	52			.0	14.3 # 1.19 YLD 5.21 H2O (250 SKS)

Sold To #: 301599

Ship To #: 2621204

Quote # :

Sales Order #: 5576462

SUMMIT Version: 7.20.130

Tuesday, January 01, 2008 06:16:00

**Cementing Job Log**

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Pump Displacement	12/29/2007 12:20		2.5	16			.0	
Shutdown	12/29/2007 12:23							
Other	12/29/2007 13:00							TURN OVER TO RIG AND WAITED TILL 2030 HOURS TO TAG PLUG
Other	12/29/2007 21:00							TAGGED PLUG @ 1271' 200' SHORT
Pump Cement	12/29/2007 23:15		4	36			60.0	14.3# 1.19 yld 5.21 H2O (170 SKS)
Pump Displacement	12/29/2007 23:25		4	15			65.0	
Other	12/29/2007 23:28		2				40.0	
Shutdown	12/29/2007 23:30						48.0	
Other	12/29/2007 23:35							TURN OVER TO RIG AND WAITED TILL 0730 TO TAG PLUG
Other	12/30/2007 07:30							TAGGED CEMENT @ 685' RIG FILLED HOLE AND PULLED UP TO NEXT PLUG
Pump Water	12/30/2007 15:56		2	5			30.0	
Pump Cement	12/30/2007 16:09		4	32			105.0	10.5# 4.14YLD 26.03 H2O (50 SKS)
Pump Displacement	12/30/2007 16:19		4	3			60.0	
Shutdown	12/30/2007 16:20							
Other	12/30/2007 16:30							TURN OVER TO RIG AND WAITED TILL 0030 TO TAG PLUG
Pump Water	12/30/2007 23:13		2	5			42.0	
Other	12/31/2007 04:00							TAGGED PLUG @ 644'
Pump Water	12/31/2007 06:49		2	5				
Pump Cement	12/31/2007 06:53		4	32				10.5# 4.14YLD 26.03 H2O (50 SKS)
Pump Displacement	12/31/2007 07:01		4	3				
Shutdown	12/31/2007 07:05							WAIT TILL 1530 TO TAG PLUG

Sold To #: 301599

Ship To #: 2621204

Quote #:

Sales Order #: 5576462

SUMMIT Version: 7.20.130

Tuesday, January 01, 2008 06:16:00

# Cementing Job Log

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Other	12/31/2007 16:00							TAGGED PLUG @ 600'
Other	12/31/2007 16:00							RIG PUMPING MUD TO TRY TO SEAL OFF ZONE AND GET CIRCULATION
Safety Meeting	12/31/2007 20:30							SAFETY MEETING GET READY TO PUMP LAST PLUG.
Safety Meeting - Pre Job	12/31/2007 21:00							SAFETY MEETING WITH RIG CREW AND CO.MAN.
Other	12/31/2007 21:15							RCM FROZE UP, UNTHAW AIR LINES AND PUMP LINES.
Safety Huddle	01/01/2008 02:10							
Pump Water	01/01/2008 02:21		2				30.0	PUMP H2O AHEAD TO MAKE SURE LINES ARE CLEAR.
Shutdown	01/01/2008 02:22				2.5			SHUT DOWN, LINE ON FLOOR LEAKING, SAFETY HUDDLE, FIX LINE.
Resume	01/01/2008 02:25		2				40.0	RESUME H2O.
Shutdown	01/01/2008 02:26				5			SHUT DOWN, MIX UP CEMENT.
Pump Cement	01/01/2008 02:31		3				90.0	START 15.6# CEMENT, 187sks, 40bbbls, 1.2 YEILD.
Shutdown	01/01/2008 02:41				40			SHUT DOWN, MIX MORE CEMENT, USE ALL 200sks OF TOP OUT CEMENT.
Resume	01/01/2008 02:44		3				250.0	RESUME 15.6# CEMENT.
Other	01/01/2008 02:45		3		43		250.0	SEE CEMENT.
Shutdown	01/01/2008 02:45				43			GOOD CEMENT RETURNS AS PER BLM REP.
Pump Water	01/01/2008 02:45		2.5				200.0	PUMP 1bbl H2O TO FLUSH PUMPS AND LINES.
Shutdown	01/01/2008 02:46				1			CEMENT GOOD AS PER BLM REP.

Sold To #: 301599

Ship To #: 2621204

Quote #:

Sales Order #: 5576462

SUMMIT Version: 7.20.130

Tuesday, January 01, 2008 06:16:00

**Cementing Job Log**

Activity Description	Date/Time	Cht #	Rate bbl/min	Volume bbl		Pressure psig		Comments
				Stage	Total	Tubing	Casing	
Safety Huddle	01/01/2008 02:48							SAFETY HUDDLE, RIG IRON OFF OF DRILL PIPE.
Other	01/01/2008 02:52							RIG PULLS DRILL PIPE OUT.
Safety Huddle	01/01/2008 03:00							
Other	01/01/2008 03:05							WASH UP RCM.
Other	01/01/2008 05:00							CEMENT STAYS UP, CEMENT GOOD AS PER BLM REP.
Safety Meeting - Pre Rig-Down	01/01/2008 05:05							
Rig-Down Equipment	01/01/2008 05:10							RACK UP IRON AND SUCTION HOSE.
Safety Meeting - Departing Location	01/01/2008 07:15							
Crew Leave Location	01/01/2008 07:30							RELEASED BY CO.MAN, LEAVE LOCATION.

Field Ticket

<b>Field Ticket Number:</b> 5576462		<b>Field Ticket Date:</b> Friday, December 28, 2007	
<b>Bill To:</b> XTO ENERGY INC 382 ROAD 3100 AZTEC, NM 87410		<b>Job Name:</b> Cement Surface Casing <b>Order Type:</b> Streamline Order (ZOH) <b>Well Name:</b> ANR 15-8-30-11 <b>Company Code:</b> 1100 <b>Customer PO No.:</b> NA <b>Shipping Point:</b> Vernal, UT, USA <b>Sales Office:</b> Rocky Mountains BD <b>Well Type:</b> Oil <b>Well Category:</b> Development	
<b>Ship To:</b> XTO ENERGY INC ANR, 15-8-30-11 2621204 UNKNOWN, UT			

Material	Description	QTY	UOM	Base Amt	Unit Amt	Gross Amount	Discount	Net Amount
392189	PLUG TO ABONDON	1	JOB	0.00	0.00	0.00		0.00
2	MILEAGE FOR CEMENTING CREW,ZI <i>Number of Units</i>	200 1	MI	0.00	5.76	1,152.00	68%	368.64
1	ZI-MILEAGE FROM NEAREST HES BASE,/UNIT <i>Number of Units</i>	200 1	MI	0.00	9.79	1,958.00	68%	626.56
139	ADC (AUTO DENSITY CTRL) SYS, /JOB,ZI <i>NUMBER OF UNITS</i>	1 1	JOB	0.00	2,275.00	2,275.00	68%	728.00
132	PORT. DAS W/CEMWIN;ACQUIRE W/HES, ZI <i>NUMBER OF DAYS</i>	1 1	JOB	0.00	1,649.00	1,649.00	68%	527.68
114	R/A DENSOMETER W/CHART RECORDER,/JOB,ZI <i>NUMBER OF UNITS</i>	1 1	JOB	0.00	1,285.00	1,285.00	68%	411.20
12302	50-50 POZ (PREMIUM)	450	SK	0.00	33.98	15,291.00	68%	4,893.12
100005053	CALCIUM CHLORIDE HI TEST PLT	4	SK	0.00	251.00	1,004.00	68%	321.28
101216940	POLY-E-FLAKE	56	LB	0.00	7.84	439.04	68%	140.49
471113	CBMCEM (TM) CEMENT	200	JOB	0.00		14,881.08	68%	4,761.95
76400	ZI MILEAGE,CMT MTLs DEL/RET MIN <i>NUMBER OF TONS</i>	100 39.95	MI	0.00	3.35	13,383.25	68%	4,282.64
3965	HANDLE&DUMP SVC CHRg, CMT&ADDITIVES,ZI <i>NUMBER OF EACH</i>	978 1	CF	0.00	5.49	5,369.22	68%	1,718.15
86955	ZI FUEL SURCHG-HEAVY TRKS >1 1/2 TON <i>Number of Units</i>	200 4	MI	0.00	0.45	360.00		360.00