



**Texaco Exploration  
and Production Inc.**  
Denver Region

3300 North Butler  
Farmington, NM 87401  
505 325-4397

November 4, 1999

Ms. Lisha Cordova  
State of Utah Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Texaco Year 2000 Drilling Wells  
Notice of Staking

Dear Lisha:

Attached for your information please find Texaco Exploration and Production, Inc.'s Notice Of Staking (NOS) forms for each of our thirteen (13) Year 2000 drilling wells. Included with each NOS is a location layout drawing and a project location map showing the referenced well. The original and two copies were submitted to Mr. Eric Jones in the BLM office in Moab, Utah. All of the wells will be on Federal land.

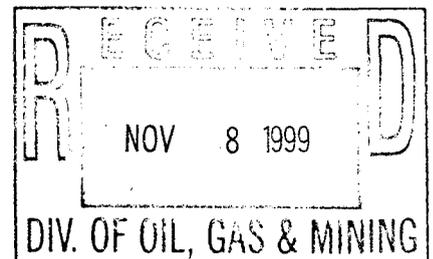
WELL	SECTION	RANGE	TOWNSHIP	FOOTAGE	FOOTAGE	SURF ELEV.	Anticipated Total Depth
22-69	22	18S	7E	870'FNL	562' FEL	6350	3405
22-83	22	18S	7E	480'FSL	1790'FEL	6390	3335
23-84	23	18S	7E	2151'FSL	398'FWL	6200	3140
27-85	27	18S	7E	1690'FNL	2320'FWL	6480	3395
27-86	27	18S	7E	1394'FNL	574'FEL	6390	3230
27-87	27	18S	7E	780'FSL	890'FEL	6740	3560
26-88	26	18S	7E	1816'FNL	897'FWL	6400	3175
35-89	35	18S	7E	1780'FSL	830'FWL	6310	3035
27-90	27	18S	7E	1960'FSL	630'FWL	6550	3500
22-91	22	18S	7E	951'FNL	1973'FWL	6490	3610
3-92	3	18S	7E	605'FSL	1718'FWL	6400	3690
3-93	3	18S	7E	2006'FNL	1233'FWL	6520	3820
21-94	21	18S	7E	512'FNL	547'FEL	6720	3920

Please feel free to contact Richard Carr or myself at the above number if you have any questions.

Sincerely,

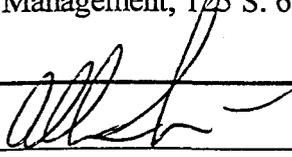
Allen R. Davis  
Farmington Production Team Leader

cc: Mr. Joe Mc Henry, Texaco  
Allen Childs, Talon Resources  
Farmington well file



RNC/mc

<b>NOTICE OF STAKING</b> (Not to be used in place of Application for Permit to Drill Form 3160-3)		<b>6. Lease Number</b> UTU-68538
<b>1. Oil Well</b> <input type="checkbox"/> <b>Gas Well</b> <input checked="" type="checkbox"/> <b>Other (Specify)</b>	<b>7. If Indian, Allottee or Tribe Name</b> N/A	
<b>2. Name of Operator:</b> Texaco Exploration And Production, Inc.	<b>8. Unit Agreement Name</b> N/A	
<b>3. Name of Specific Contact Person:</b> Richard Carr	<b>9. Farm or Lease Name</b> FEDERAL 'T'	
<b>4. Address &amp; Phone No. of Operator or Agent</b> 3300 North Butler, Farmington, Nm 87401	<b>10. Well No.</b> 22-69	
<b>5. Surface Location of Well</b>  Attach: a) Sketch showing road entry onto pad, pad dimensions, and reserve pit. b) Topographical or other acceptable map showing location, access road, and lease boundaries.  870' FNL & 562' FEL	<b>11. Field or Wildcat Name</b> Undesignated	
	<b>12. Sec., T., R., M., or Blk. and Survey or Area</b> 22, T18S, R7E, SLB&M	
	<b>13. County, Parish or Borough</b> EMERY	
<b>15. Formation Objective</b> Ferron Coals & Sands	<b>16. Estimated Well Depth</b> 3405'	<b>14. State</b> UTAH
<b>17. Additional Information (as appropriate; must include surface owner's name, address, and telephone number)</b> Bureau of Land Management, 125 S. 600 W., Price, UT 84501 (435)636-3640		

**18. Signed**  Title Production Supervisor

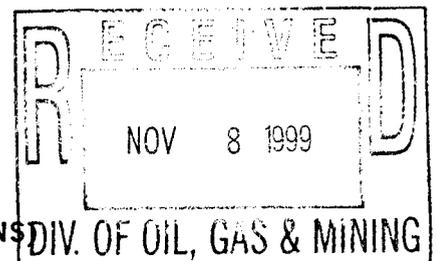
Date October 18, 1999

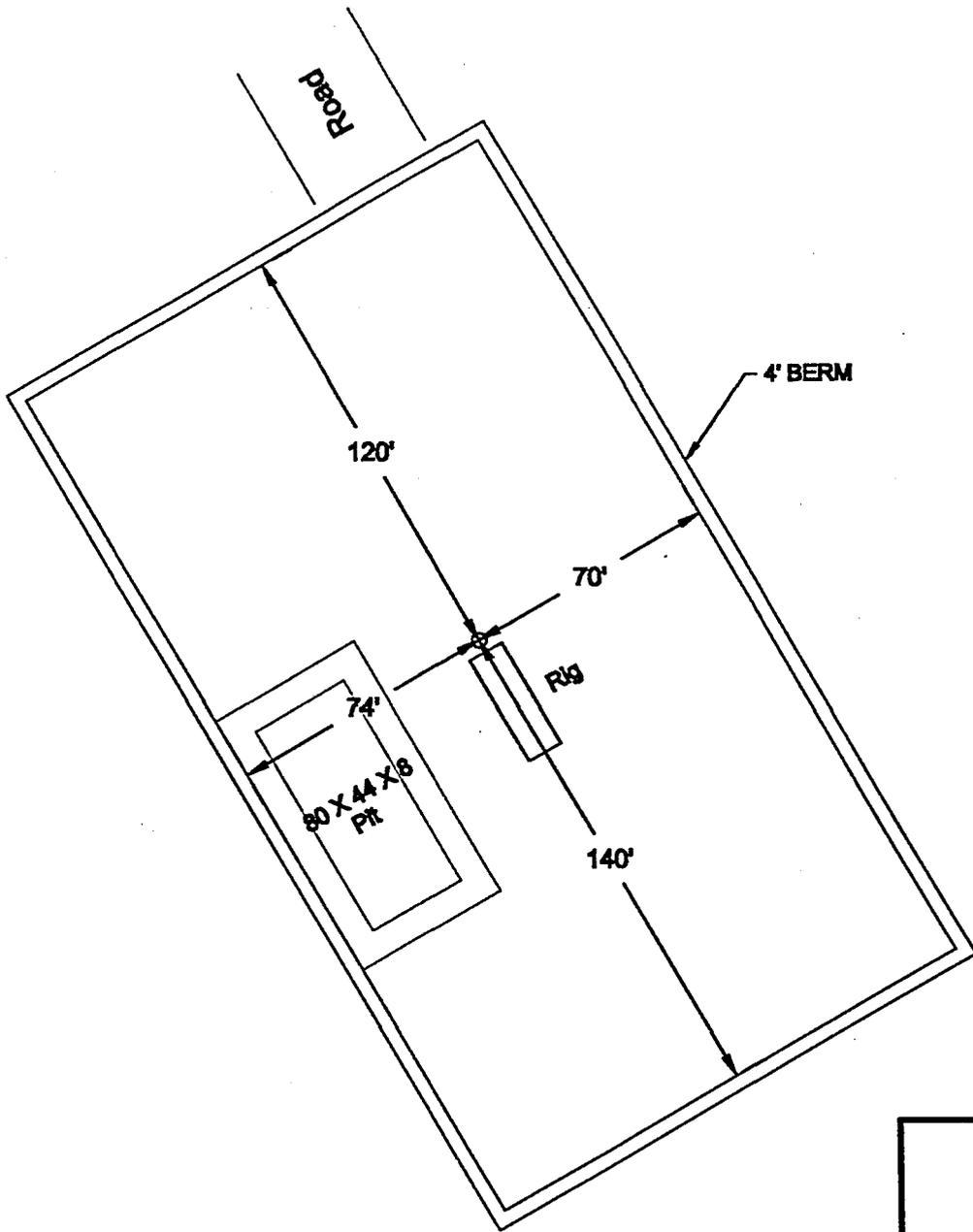
**Note:** Upon Receipt of this Notice, the Bureau of Land Management (BLM) will schedule the date of the onsite predrill inspection and notify you accordingly. The location must be staked and access road must be flagged prior to the onsite.

Operators must consider the following prior to the onsite:

- a) H<sub>2</sub>S Potential
- b) Cultural Resources (Archaeology)
- c) Federal Right-of-Way or Special Use Permit

(IMPORTANT: SEE REVERSE SIDE FOR INSTRUCTIONS)





**[** Federal 22-69  
 870' FNL 562' FEL  
 NE/4 NE/4  
 Section 22, T18S, R7E  
 UTU-68538 **]**



**Talon Resources, Inc.**  
 375 South Carbon Avenue, Suite 138  
 Price, Utah 84501  
 Ph: 435-637-5032 ext. 711  
 Fax: 435-748-5085

**★ TEXACO ★**  
 EXPLORATION & PRODUCTION  
 LOCATION LAYOUT  
 Section 22, T18S, R7E, S.L.B.&M.  
 Federal 22-69

Drawn By D. Robertson	Checked By L.W.J.
Drawing No. <i>P-1</i>	Date 10/14/99
	Scale: 1" = 50'
Sheet 1 of 1	Job No. 050



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT**

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. <b>UTU-68538</b>
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A
2. NAME OF OPERATOR <b>Texaco Exploration and Production, Inc.</b>		7. UNIT AGREEMENT NAME N/A
3. ADDRESS AND TELEPHONE NO. <b>3300 North Butler, Farmington, NM 87401; 505-325-4397</b>		8. FARM OR LEASE NAME, WELL NO. <b>Federal T 22-69</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface <b>870' FNL, 539' FEL</b>		9. API WELL NO. <b>CONFIDENTIAL</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>3.7 miles northwest of Orangeville, Utah</b>		10. FIELD AND POOL, OR WILDCAT <b>Undesignated</b>
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) <b>539'</b>	16. NO. OF ACRES IN LEASE <b>2205.82</b>	11. SEC. T, R, M, OR BLK. <b>NE/4 NE/4, Section 22 T18S, R7E, SLB&amp;M</b>
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>2575'</b>	19. PROPOSED DEPTH <b>3505'</b>	12. COUNTY OR PARISH <b>Emery</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>6346' GR</b>		13. STATE <b>Utah</b>
		17. NO. OF ACRES ASSIGNED TO THIS WELL <b>160 acres</b>
		20. ROTARY OR CABLE TOOLS <b>Rotary</b>
		22. APPROX. DATE WORK WILL START* <b>April 2000</b>

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55 ST&C	24	300'	230 sacks Class G cement + 2% CaCl <sub>2</sub> + 0.25 pps cellophane flakes
7-7/8"	5-1/2" N-80 LT&C	17	3505'	135 sacks 10:1 RFC Class G cement + 0.25 pps cellophane flakes

Federal Approval of this  
Action is Necessary

**RECEIVED**  
JAN 31 2000  
DIVISION OF  
OIL, GAS AND MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *[Signature]* TITLE FARMINGTON O. U. TEAM LEADER DATE 1/7/2000

(This space for Federal or State office use)  
PERMIT NO. 43-015-30451 APPROVAL DATE \_\_\_\_\_

Application approval does not warrant or certify that the applicant holds legal or equitable title to the rights in the subject lease which would entitle the applicant to conduct operations thereon.  
CONDITIONS OF APPROVAL, IF ANY:  
**BRADLEY G. HILL**  
RECLAMATION SPECIALIST III  
APPROVED BY: *[Signature]* TITLE \_\_\_\_\_ DATE 2/9/00

**\*See Instructions On Reverse Side**

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency or the

# Range 7 East

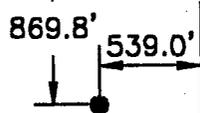
(N89°50'W - 2861.78') N89°34'29"W - 5321.34' (N89°21' W - 2647.26')

Township 18 South

(N00°20' E - 2636.04')

(N00°05' W - 2671.02')

Drill hole 22-69  
Elevation 6346.1'



(N00°04' E - 2674.32')  
(N00°05'56"E - 2674.32')

22

(N00°20'E - 2649.24')  
(N00°22'19"E - 2656.20')

(N89°38'W - 2647.26')

N89°38'13"W - 2658.99'

### Legend

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

### Location:

The Bearings Indicated are per the recorded plat obtained from the U.S. Land Office. The well location was determined using a Trimble 4700 GPS survey grade unit.

### Basis of Elevation:

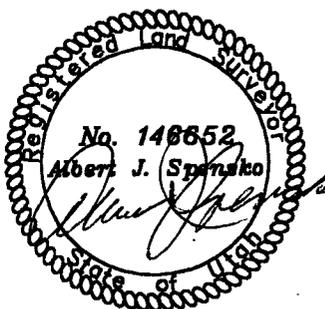
Basis of Elevation of 6006.86' being a Utah State Engineer's benchmark located between Section 25 and Section 26, T18S, R9E, Salt Lake Base & Meridian, 350' South of the Northwest Corner of Section 25, Township 18 South, Range 7 East.

### Description of Location:

Proposed Drill Hole located in the NE 1/4, NE 1/4 of Section 22; being 869.8' South and 539.0' West from the NE Corner of Section 22, T18S, R7E, Salt Lake Base and 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.**  
375 South Carbon Avenue, Suite 126  
Pree, Utah 84501  
Ph: 435-637-5032 ext. 711  
Fax: 435-748-5085

**TEXACO E & P**  
**WELL # 22-69**  
Section 22, T18S., R7E., S.L.B.&M.  
Emery County, Utah

Drawn By D. Robertson	Checked By L.W.J.
Drawing No. A-1	Date: 11/22/99
	Scale: 1" = 1000'
Sheet 1 of 4	Job No. 050



*Talon Resources, Inc.*

Service, Quality and Accuracy

375 South Carbon Avenue A-10  
Suite 101  
Price, Utah 84501  
Phone: 435-637-8781  
435-637-5032 Ext 710/711

Cell: 801-650-1401  
801-650-1402  
Fax: 435-637-7336  
Email: talon@castlernet.com

January 26, 2000

Mr. Eric Jones  
Petroleum Engineer  
82 East Dogwood  
Moab, Utah 84532

**RECEIVED**

**JAN 31 2000**

**DIVISION OF  
OIL, GAS AND MINING**

RE: Application for Permit to Drill—Federal T 22-69, Emery County, Utah  
870' FNL, 539' FEL, Section 22, T18S, R7E, SLB&M.

Dear Mr. Jones:

On behalf of Texaco Exploration and Production, Inc. Talon Resources, Inc. respectfully submits the enclosed original of the *Application for Permit to Drill (APD)* for the above named well. Included with the APD is the following supplemental information:

Exhibit "A" - Survey plats and layouts of the proposed well site;

Exhibit "B" - Proposed location map with pipe, power, and road corridors;

Exhibit "C" - Drilling site layout;

Exhibit "D" - Onsite Inspection Checklist;

Exhibit "E" - Well site layout;

Exhibit "F" - Typical road cross-section;

Exhibit "G" - Typical BOP diagram;

Exhibit "H" - Typical wellhead manifold diagram;

Exhibit "I" - Right-of-Way plat.

Please accept this letter as Texaco Exploration and Production's written request for confidential treatment of all information contained in and pertaining to this permit application, if said information is eligible for such consideration.

Thank you very much for your timely consideration of this application. Please feel free to contact myself or Mr. Richard Carr at Texaco if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Larry W. Johnson", with a long horizontal flourish extending to the right.

Larry W. Johnson  
Principal

cc: Mr. Mike Kaminski, BLM, Price, Utah  
Mr. John Baza, UDOGM,  
Mr. Allen Davis, Texaco  
Mr. Richard Carr, Texaco  
Texaco Well File



Proposed 2000 wellsite

Federal T 22-69

Texaco Exploration and Production, Inc.

**BUREAU OF LAND MANAGEMENT  
MOAB DISTRICT  
APPLICATION FOR PERMIT TO DRILL  
ON-SITE INSPECTION CHECKLIST**

Operator: Texaco Exploration and Production, Inc  
Lease and Well Name: Federal T 22-69  
Location: NE/4 NE/4, Section 22, T18S, R7E, SLB&M  
Onsite Inspection Date: None

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All operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, the approved plan of operations and the conditions of approval. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

1. **Surface Formation and Estimated Formation Tops:**

<u>Formation</u>	<u>Depth</u>
Bluegate Shale	100'
Top of "A" Coal	3075'
Total Depth	3505'

2. **Estimated Depths at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered:**

Expected Oil Zones:	None
Expected Gas Zones:	Ferron coals at 3075' to 3205'
Expected Water Zones:	Ferron coals at 3075' to 3205'
Expected Mineral Zones:	None

All Fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and will be cased and cemented. When possible, water flow rates will be measured and samples will be taken and analyzed with the results being submitted to the BLM. All oil and gas shows will be tested to determine commercial potential.

3. **Pressure Control Equipment:**

The proposed pressure control equipment consists of the following:

- a. Rotating head
  - b. 3000 psi WP hydraulic-operated double ram
- (See attached schematic drawings of the BOP and choke manifold)

BOP systems shall be consistent with API RP53 and Onshore Oil and Gas Order No. 2. Pressure tests for the surface casing and all BOP equipment potentially subject to pressure will be conducted before drilling the surface casing shoe. Blowout preventer controls will be installed prior to drilling the surface casing shoe and will remain in use until the well is completed or abandoned. BOP equipment will be inspected and operated daily to ensure good mechanical working order. The ram preventers shall be inspected and operated each trip (no more than once a day is require).

Pressure tests will be performed on all related well control equipment. Ram type preventers and associated equipment shall be tested using a test plug to full working pressure. The test pressure shall be maintained for at least 10 minutes with no bleed off. The valve on the casing head below the test plug shall be open during the BOP test.

As a minimum, the above pressure test shall be performed when:

- a. The stack is initially installed (prior to drilling out of the surface casing),
- b. Any seal subject to pressure is broken,
- c. Following repairs to any part of the BOP system, and
- d. At 30 day intervals.

All valves shall be tested from the working pressure side with all downstream valves open.

A BOP pit level drill shall be conducted weekly for each drilling crew.

All of the above described tests and drills shall be recorded in the drilling log. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be available upon request.

Drill string safety valves to fit all tools in the drill string shall be maintained on the rig floor while drilling operations are in progress.

4. **Casing Program and Auxiliary Equipment:**

- a. The following surface casing will be set at 300' in a 12-1/4" hole:  
8-5/8" 24 lbs/ft K-55 ST&C (new ERW pipe)
- b. The following production casing will be set at 3505' (TD) through the Ferron coal section in a 7-7/8" hole:  
5-1/2" 17 lbs/ft N-80 LT&C (new ERW pipe)



8. **Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:**

- a. The maximum anticipated bottom hole pressure gradient in any of the zones to be penetrated is 8.33 ppg (fresh water gradient).
- b. Lost circulation is a potential hazard in the Ferron coal section in the event the hole gets wet and water must be used as the circulating medium.
- c. No abnormal temperatures are anticipated.
- d. No H<sub>2</sub>S gas is anticipated.

9. **Lessee's Operator's Representatives:**

Permit Matters

Texaco Exploration and Production, Inc.  
Ron Wirth  
Production Supervisor  
P.O. Box 618  
Orangeville, Utah 84537

Drilling and Completion Matters

Texaco Exploration and Production, Inc.  
David Wojahn  
Drilling Engineer  
4601 DTC Boulevard  
Denver, Colorado 80237  
(303) 793-4918  
(303) 793-4000 (switchboard)  
(303) 771-0866 (home)

Bureau of Land Management  
Moab District  
Application for Permit to Drill  
On-Site Inspection Checklist

Company: Texaco Exploration & Production, Inc. Well No.: Federal 22-69

Location: Section 22, T18S, R7E SLB & M

Lease No.: Federal UTU-68538

On-Site Inspection Date: January 20, 2000

**B. THIRTEEN POINT SURFACE USE PLAN**

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

1. Existing Roads:

- a. Proposed route to location: *See Exhibit "B".*
- b. Location of proposed well in relation to town or other reference point: *Approximately 3.7 miles north west of Orangeville, Utah.*
- c. Contact the County Road Department for use of county roads. The use of Emery County roads will require an encroachment permit from the Emery County Road Department:  
*N/A*
- d. Plans for improvement and/or maintenance of existing roads: *N/A*
- e. Other:

2. Planned Access Roads:

- a. Location (centerline): *From the existing 23-8 wellsite, approximately 900' FNL, 1900' FWL, Section 23, T18S, R7E.*
- b. Length of new access to be constructed: *Approximately 700'*
- c. Length of existing roads to be upgraded: *Approximately 1600'*
- d. Maximum total disturbed width: *60'*
- e. Maximum travel surface width: *25'*
- f. Maximum grades: *10%*
- g. Turnouts: *None*
- h. Surface materials: *Native*
- i. Drainage (crowning, ditching, culverts, etc): *Roads will be crowned with bar ditches on both sides with approximately 8 culverts placed along the new road.*

- j. Cattleguards: *No cattleguards will be needed, Gates will be installed if required.*
- k. Length of new and/or existing roads which lie outside the lease boundary for which a BLM right-of-way is required: *Approximately 700', see Exhibit "I".*
- l. Other:

Surface disturbance and vehicular travel will be limited to the approved location access road. Any additional area needed must be approved by the Area Manager in advance.

If a right-a-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.

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 onlease/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 a 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.

If the well is productive, the access road will be rehabilitated or brought to Resource (Class III) 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 Area Manager will be notified so that temporary drainage control can be installed along the access road.

- 3. Location of Existing Wells - 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: *See Exhibit "E"*
  - b. Off-site facilities: *None*
  - c. Pipelines: *N/A*

All permanent (in place for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: *Olive Black*.

All site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 Colors will be as follows: *Olive Black*.

If a gas meter run is constructed, it will be located on lease within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and will be buried downstream of the meter until it leaves the pad. Meter runs will be housed and/or fenced. The gas meter shall be calibrated prior to first sales and shall be calibrated quarterly thereafter. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1 ½ times the storage capacity of the largest tank. All loading lines and valves will be placed inside the berm surrounding the tank battery. All oil production and measurement shall conform to the provisions of 43 CFR 3162.7-3 and Onshore Oil and Gas Order No. 4.

Production facilities on location may include a lined or unlined produced water pit. If water is produced from the well, an application must be submitted.

5. Location and Type of Water Supply:

All water needed for drilling purposes will be obtained from (describe location and/or show on A map): *All water needed for drilling will be obtained from a local municipal water source, Since this well will be primarily drilled with air, minimal water will be needed.*

6. Source of Construction Material:

Pad construction material will be obtained from (if the source is Federally owned, show location on a map): *Private Owner*

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

Any gravel used will be obtained from a state approved gravel pit.

7. Methods of Handling Waste Disposal:

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: *Inbound and along the southwest side of the pad.*

The reserve pit will be constructed so as not to leak, break, or allow discharge.

The reserve pit will be lined with native material unless designated otherwise by BLM officers prior to construction. Pit walls will be sloped no greater than 2 to 1.

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 reserve 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. As soon as the reserve pit has dried, all areas not needed for production will be rehabilitated.

Trash must be contained in a trash cage and hauled away to an approved disposal site as necessary but no later than at the completion of drilling operations.

8. Ancillary Facilities: Garbage Containers and Portable Toilets

9. Well Site Layout - depict the pit, rig, cut and fill, topsoil, etc. on a plat with a scale of at least 1" = 50'.

All well, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.6.

Access to the well pad will be from: *Northwest*

The blooie line will be located: *At least 100 feet from the well head.*

To minimize the amount of fugitive dust and spray escaping from the blooie pit, the following blooie line deflection method will be employed: *Water Injection.*

10. Plans for Restoration of the Surface:

The top 6 inches of topsoil material will be removed from the location and stockpiled separately on: *Adjacent land.*

Topsoil along the access road will be reserved in place adjacent to the road.

Immediately upon completion of drilling, all equipment that is not necessary for production shall be removed.

The reserve pit and that portion of the location not needed for production will be reclaimed.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry.

Reclaimed roads will have the berms and cuts reduced and will be closed to vehicle use.

All disturbed areas will be recontoured to replicate the natural slope.

The stockpiled topsoil will be evenly distributed over the disturbed area.

Prior to reseeding, all disturbed areas, including the access roads, will be scarified and left with a rough surface.

Seed will be broadcast or drilled between Sept. and Nov., or at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

The following seed mixture will be used: *BLM-recommended mixture.*

The abandonment marker will be one of the following, as specified by BLM:

- 1) at least four feet above ground level,
- 2) at restored ground level, or
- 3) below ground level.

In any case the marker shall be inscribed with the following: operator name, lease number, Well name and surveyed description (township, range, section and either quarter-quarter or footage.).

Additional requirements:

11. Surface and Mineral Ownership: *Federal; Bureau of Land Management*

12. Other Information:

- a. Archeological Concerns: *None that the operator is aware of.*

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 authorized officer (AO). Within five (5) working days, the AO will inform the operator as to:

1. whether the materials appear eligible for the National Register of Historic Places;
2. the mitigation measures the operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
3. a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO 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 AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that the required mitigation has been completed, the operator will then be allowed to resume construction.

- b. Threatened and Endangered Species Concerns: *None that the operator is aware of.*
- c. Wildlife Seasonal Restrictions (yes/no): *See Environmental Impact Statement (EIS)*
- d. Off Location Geophysical Testing: *N/A*
- e. Drainage crossings that require additional State or Federal approval: *None*
- f. Other:

13. Lessee's or Operator's Representative and Certification

Representative: Texaco Exploration & Production, Inc.

Name: Allen R. Davis

Title: Team Leader / Farmington Operating Unit

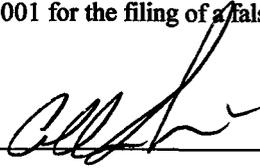
Address: 3300 No. Butler Suite 100  
Farmington, New Mexico 87401

Phone No: 505-325-4397

**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 exists; 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 Texaco 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 under Texaco's BLM bond. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

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



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

1/7/2000

Title: Team Leader

C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location - Contact the Resource Area, Natural Resource Protection Specialist at least 24 hours prior to commencing construction of location.

Spud - The spud date will be reported to the Resource Area Office 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted the District Office within 24 hours after spudding, regardless of whether spud was made with a dry hold digger or big rig.

Daily Drilling Reports - Daily drilling reports shall detail the progress and status of the well and shall be submitted to the District Office on a weekly basis.

Monthly Reports of Operations - In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices - There will be no deviation from the proposed drilling and/or workover program without prior approval from the Assistant District Manager. "Sundry Notices and Reports on Wells: (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2. Safe drilling and operating practices must be observed.

Drilling suspensions - Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Authorized Officer. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events - Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the Resource Area in accordance with requirements of NTLA.

Cultural Resources - If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Area Manager is to be notified.

First production - Should the well be successfully completed for production, the Assistant District Manager, Minerals Division will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five (5) business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Resource Area Office. The Resource Area Office shall be notified prior to the first sale.

Well Completion Report - Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs, core descriptions, core analysis, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings and/or samples) will be submitted when requested by the Assistant District Manager.

Venting/Flaring of Gas - NTL-4A allows venting/flaring of gas during the initial well evaluation period not to exceed 30 days or 50 Mmcf. Venting/flaring beyond the initial test period threshold must be approved by the District Office.

Produced Water - Produced waste water may be confined to an unlined pit for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted to the Assistant District Manager for approval.

Off-Lease Measurement, Storage, Commingling - Prior approval must be obtained from the Assistant District Manager for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment - If the well is completed as a dry hole, plugging instructions must be obtained from the BLM, Moab District Office prior to initiating plugging operations. Table 1 of this document provides the after-hours phone numbers of personnel who are authorized to give plugging instructions.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Assistant District Manager, Minerals Divisions within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Manager or his representative, or the appropriate surface managing agency.

**TABLE 1**  
**NOTIFICATIONS**

Notify Michael Kaminski of the Price Resource Area, at (435) 636-3646 for the following:

2 days prior to commencement of dirt work construction or reclamation;

1 day prior to spudding

50 feet prior to reaching surface and intermediate casing depths;

3 hours prior to testing BOPE;

12 hours prior to reaching kickoff point depth (if applicable).

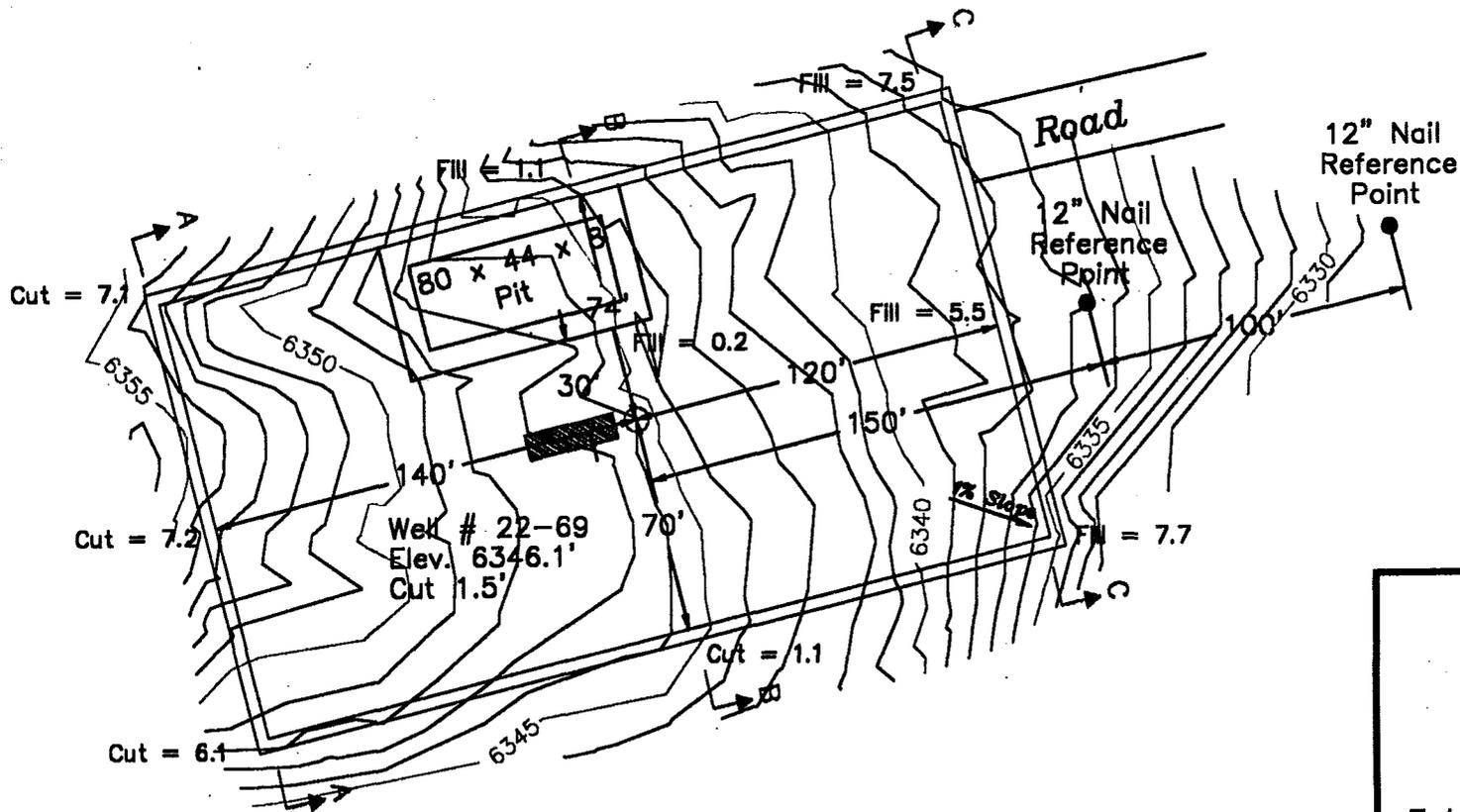
If the person at the above number cannot be reached, notify the Moab District Office at (435) 259-6111. If unsuccessful, notify one of the people listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab District Office, Branch of Fluid Minerals at (435) 259-6111. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer

Office: (435) 259-6111

Home: (435) 259-2214



**Talon Resources, Inc.**  
 375 South Carbon Avenue, Suite 138  
 Price, Utah 84501  
 Ph: 435-637-5032 ext. 711  
 Fax: 435-748-5085

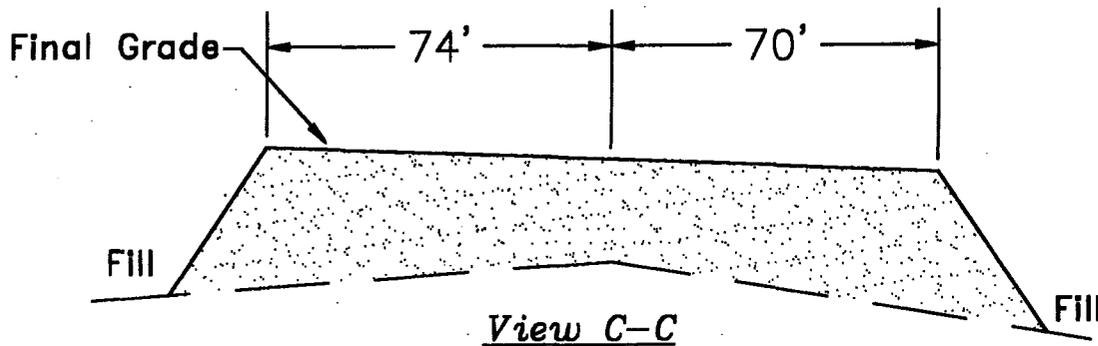
**TEXACO E & P**  
**LOCATION LAYOUT**

Section 22, T18S., R7E., S.L.B. & M.

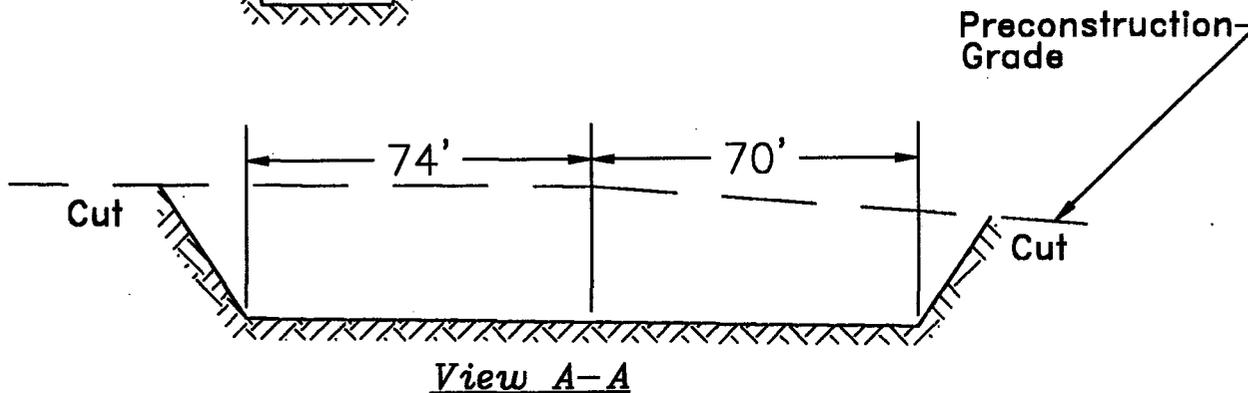
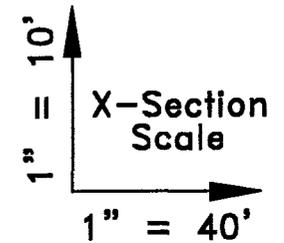
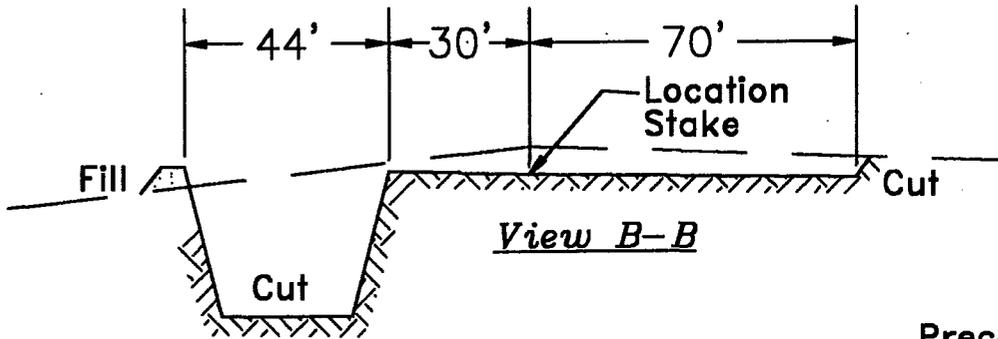
**WELL # 22-69**

Drawn By: D. Robertson	Checked By: L.W.J.
Drawing No. A-2	Date: 11/22/99
	Scale: 1" = 60'
Sheet 2 of 4	Job No. 050

*Elevation Ungraded Ground at Location Stake = 6346.1'*  
*Elevation Graded Ground At Location Stake = 6344.6'*



Slope - 1 1/2:1  
 (Except Pit)  
 Pit Slope = 1:1



Approximate Yardages

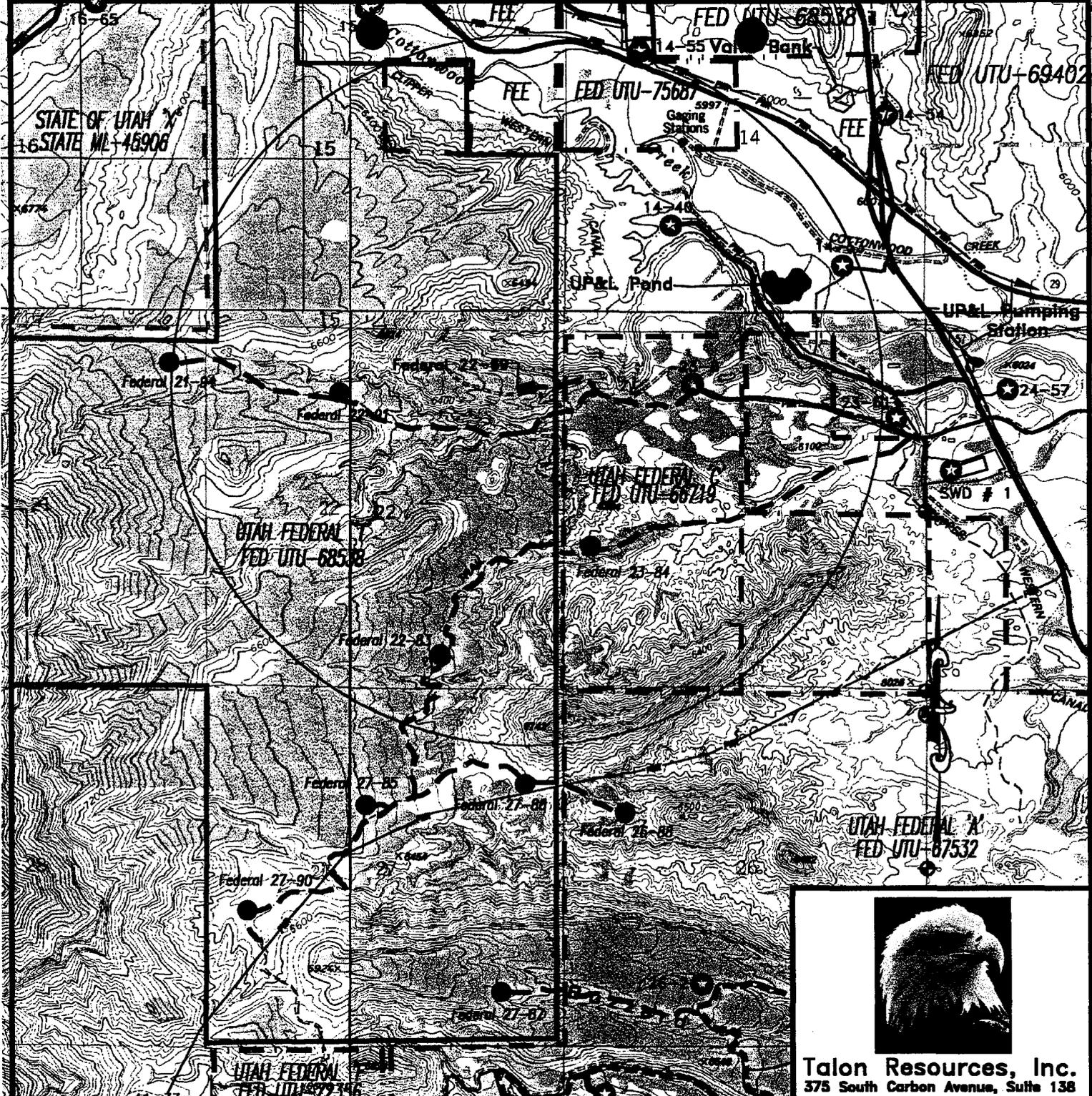
Cut	
(6") Topsoil Stripping	= 750.00 Cu. Yds.
Remaining Location	= 3123.10 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 3873.10 Cu. Yds.</b>
<b>TOTAL FILL</b>	<b>= 2209.60 Cu. Yds.</b>



**Talon Resources, Inc.**  
 375 South Carbon Avenue, Suite 126  
 Price, Utah 84501  
 Ph: 435-637-5032 ext. 711  
 Fax: 435-748-5085

 **TEXACO E & P**   
**TYPICAL CROSS SECTIONS**  
 Section 22, T18S., R7E., S.L.B.&M.  
**WELL # 22-69**

Drawn By: D. Robertson	Checked By: L.W.J.
Drawing No. <b>C-1</b>	Date: 11/22/99
	Scale: As Shown
Sheet <b>3</b> of <b>4</b>	Job No. 050



**Legend**

	<b>35-6</b>	<b>Texaco Existing Well Location &amp; Number</b>
	<b>27-87</b>	<b>Proposed 2000 Well Location &amp; Number</b>
	<b>11-70</b>	<b>Proposed 1999 Well Location &amp; Number</b>
		<b>Main Travel Roads</b>
		<b>Access and/or Upgraded Roads</b>
		<b>Existing Power</b>
		<b>Existing Gas and Water</b>
		<b>Unimproved Road</b>
		<b>Proposed Road, Gas, Water, &amp; Power</b>
		<b>Proposed Road</b>
		<b>Proposed Gas, Water &amp; Power</b>
		<b>Proposed Power</b>



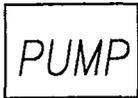
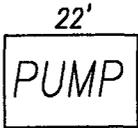
**Talon Resources, Inc.**  
 375 South Carbon Avenue, Suite 138  
 Price, Utah 84501  
 Ph: 435-637-5032 ext. 711  
 Fax: 435-748-5085

**TEXACO**   
 EXPLORATION & PRODUCTION  
 LOCATION MAP  
 Section 22, T18S, R7E, S.L.B.&M.  
**Well # 22-69**

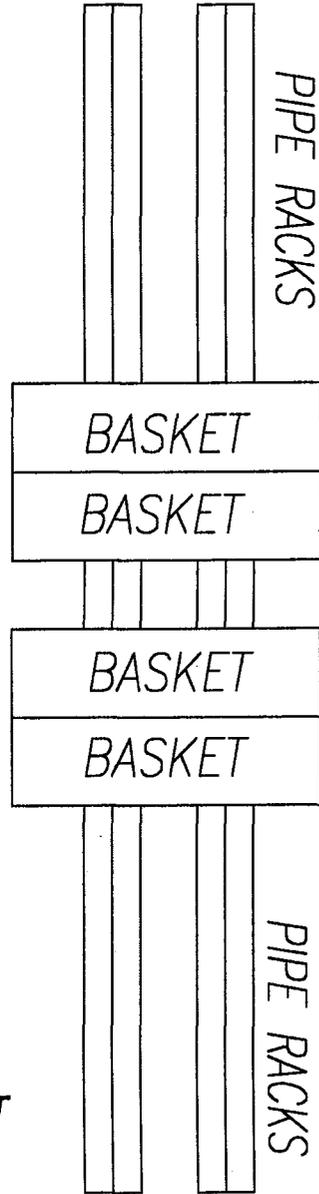
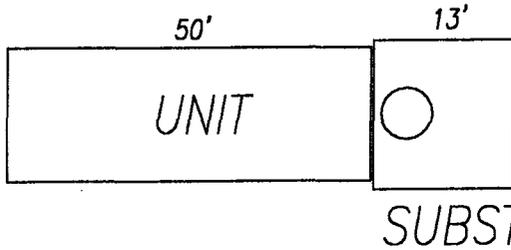
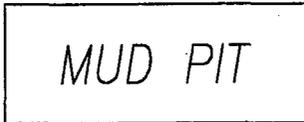
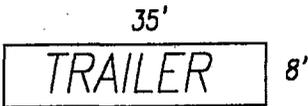
Drawn By <b>D. Robertson</b>	Checked By <b>L.W.J.</b>
Drawing No. <b>L-1</b>	Date <b>12/13/99</b>
	Scale <b>1" = 2000'</b>
Sheet <b>4</b> of <b>4</b>	Job No. <b>050</b>



DIESEL FUEL 26' PROpane



LIGHT PLANT

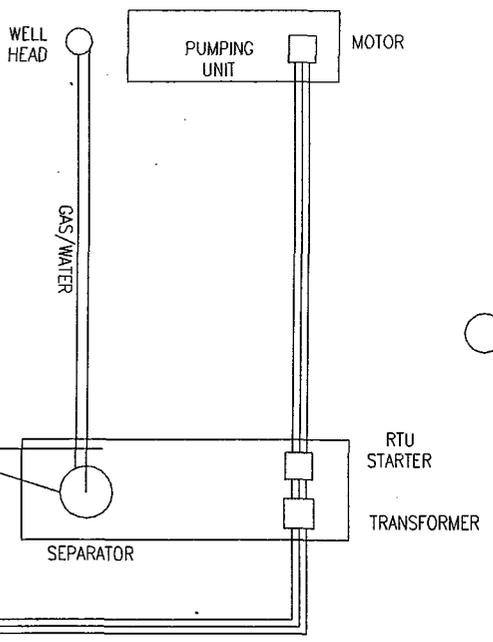
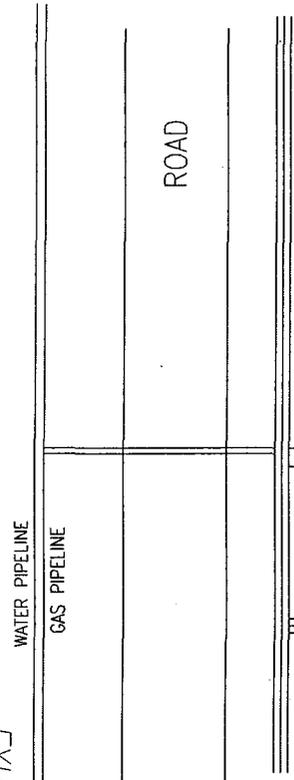
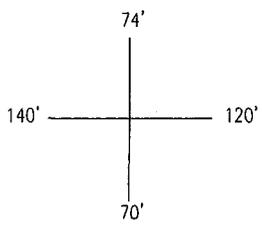


APPROXIMATE LAYOUT OF UNIT & EQUIPMENT  
(Not to Scale)

EXHIBIT "C"



ANCHOR (Typ. 4 PI)



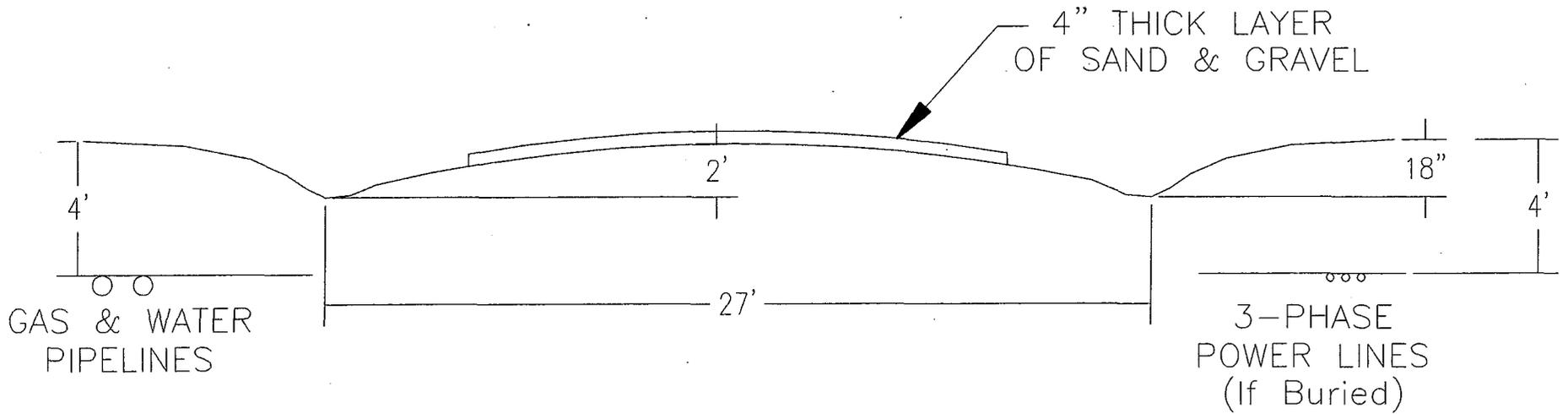
3-PHASE  
ELECTRIC

TEXACO EXPLORATION & PRODUCTION  
WELL SITE LAYOUT  
260' X 144'

EXHIBIT "E"



# TEXACO INC.



TYPICAL ROAD CROSS-SECTION  
NOT TO SCALE

EXHIBIT "F"



# BOP Equipment

3000psi WP (except rotating head at 1000psi)

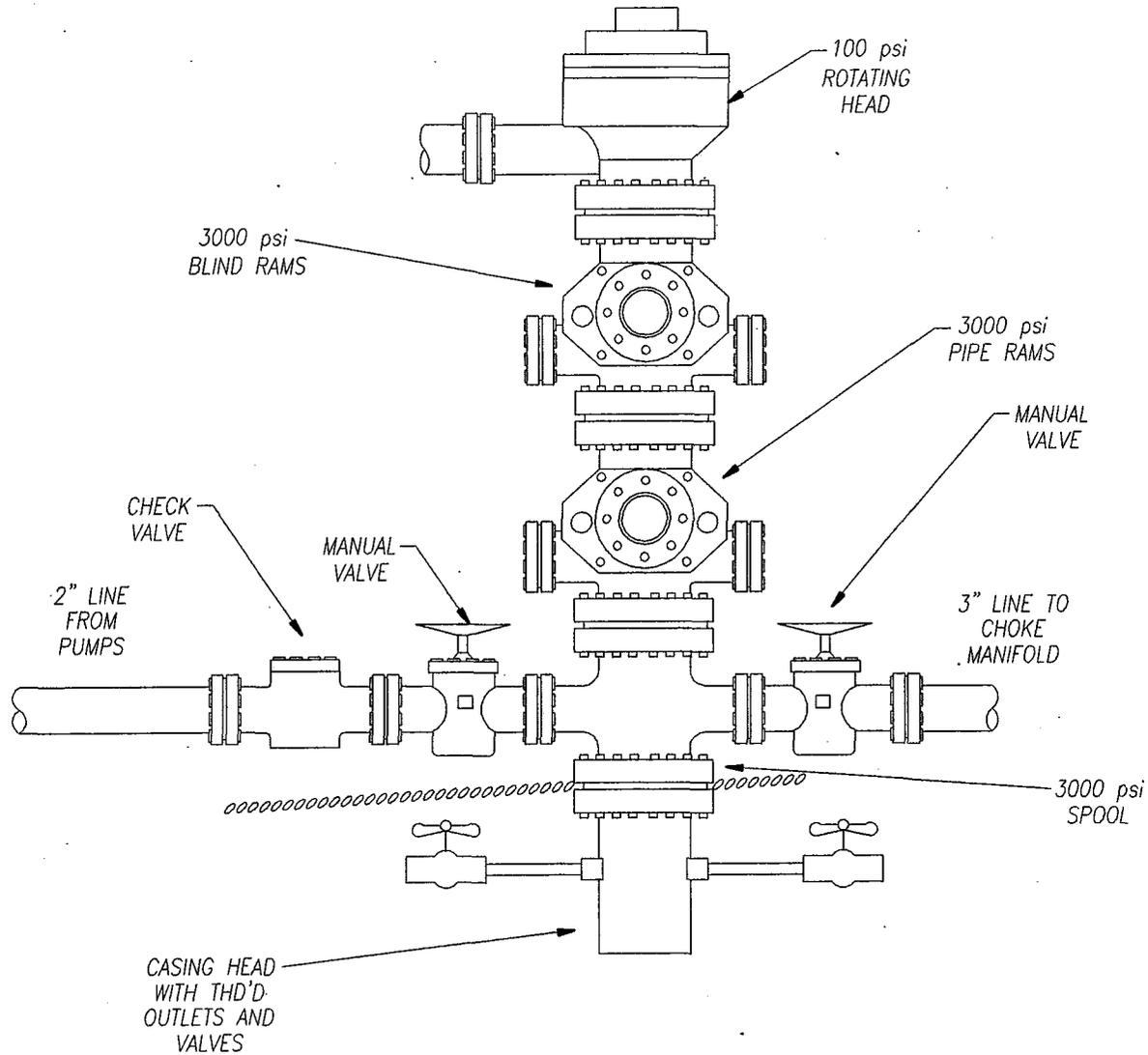


EXHIBIT "G"



# CHOKE MANIFOLD

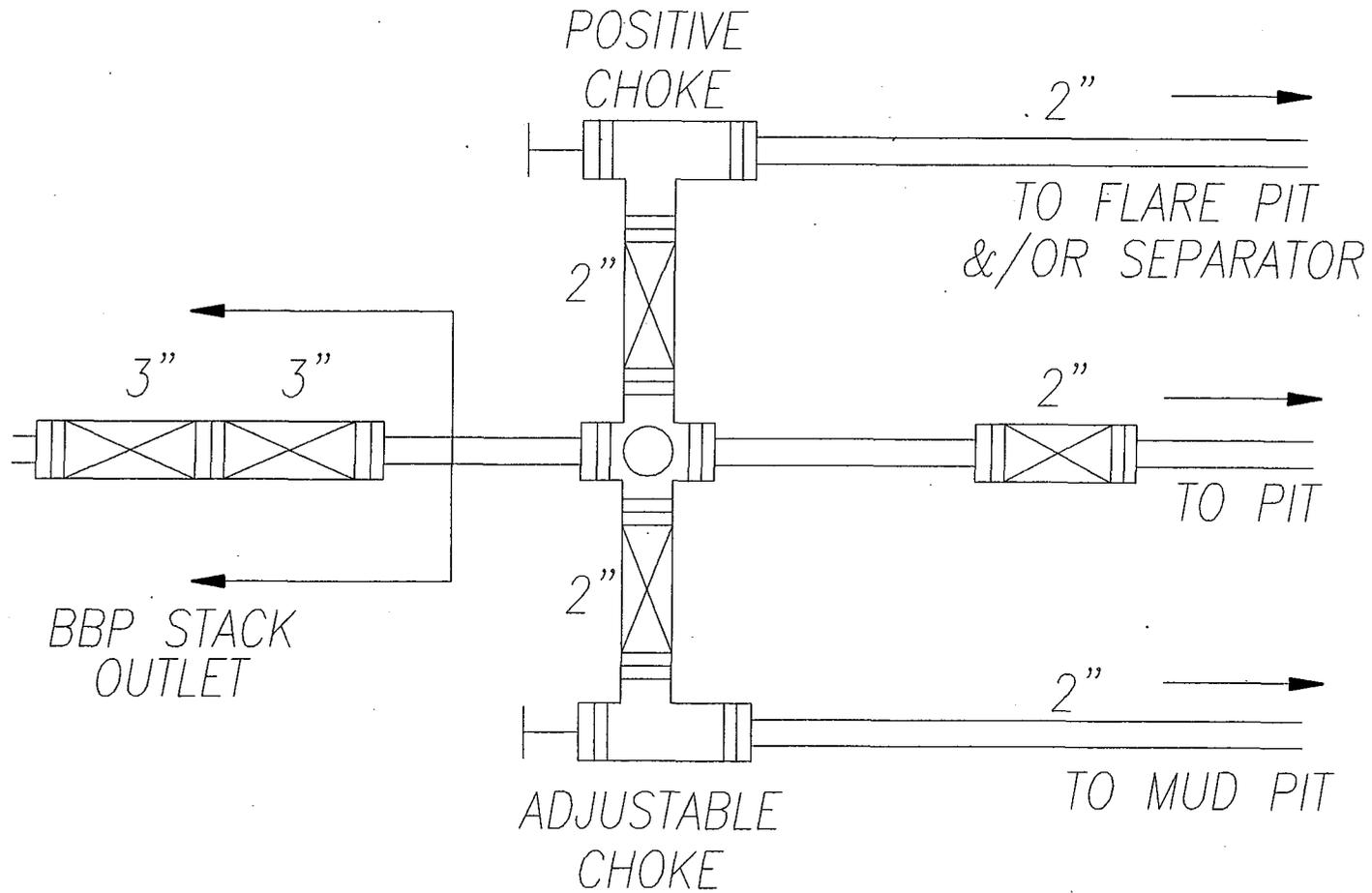


EXHIBIT "H"





**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/31/2000

API NO. ASSIGNED: 43-015-30451
--------------------------------

WELL NAME: FEDERAL T 22-69  
 OPERATOR: TEXACO E & P INC ( N5700 )  
 CONTACT: ALLEN DAVIS

PHONE NUMBER: 505-325-4397

PROPOSED LOCATION:  
 NENE 22 180S 070E  
 SURFACE: 0870 FNL 0539 FEL  
 BOTTOM: 0870 FNL 0539 FEL  
 EMERY  
 UNDESIGNATED ( 2 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

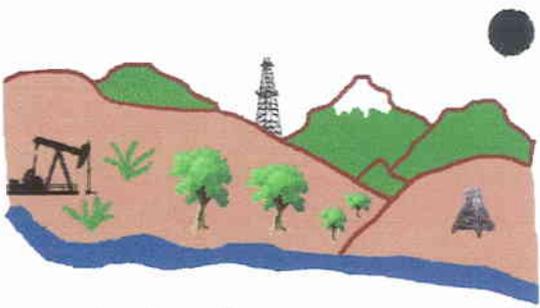
LEASE TYPE: 1-Federal  
 LEASE NUMBER: UTU-68538  
 SURFACE OWNER: 1-Federal  
 PROPOSED FORMATION: FRSD

RECEIVED AND/OR REVIEWED:  
 Plat  
 Bond: Fed[1] Ind[] Sta[] Fee[]  
 (No. CO 0058 ) #Blm 2/9/00  
 Potash (Y/N)  
 Oil Shale (Y/N) \*190 - 5 (B)  
 Water Permit  
 (No. MUNICIPAL )  
 RDCC Review (Y/N)  
 (Date: )  
 Fee Surf Agreement (Y/N)

LOCATION AND SITING:  
 R649-2-3. Unit \_\_\_\_\_  
 R649-3-2. General  
 Siting: \_\_\_\_\_  
 R649-3-3. Exception  
 Drilling Unit  
 Board Cause No: 245-1 (1/607)  
 Eff Date: 7-7-99  
 Siting: 400' fr. Dr. Unit Boundary E. 920' between wells.  
 R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

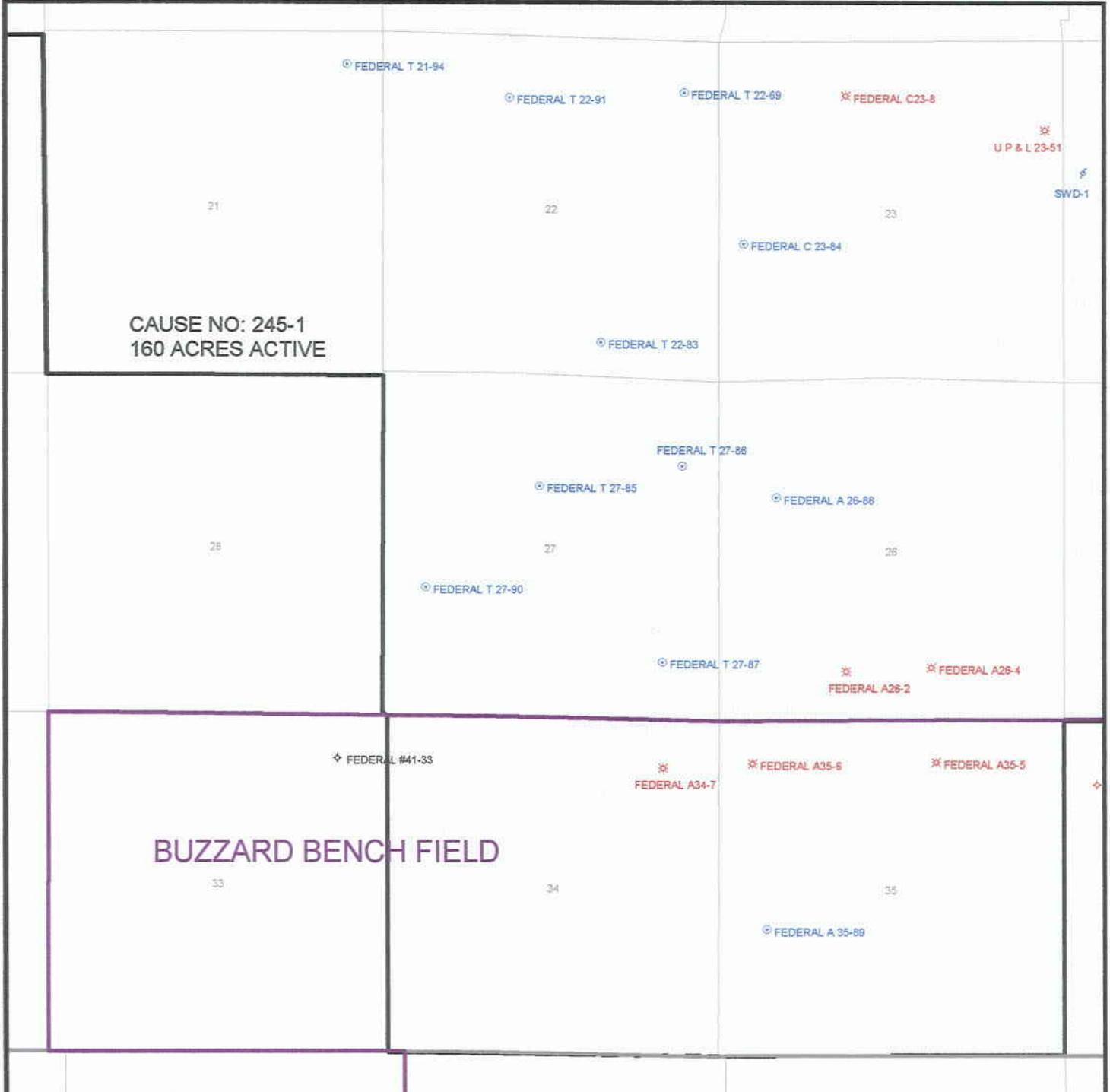
STIPULATIONS: ① Federal Approval  
 \_\_\_\_\_  
 \_\_\_\_\_



# Utah Oil Gas and Mining

Serving the Industry, Protecting the Environment

OPERATOR: TEXACO E&P INC.. (N5700)  
FIELD: UNDESIGNATED (002) BUZZARD BENCH (132)  
S EC. 21, 22, 23, 26,27, 35, T18S, R7 E,  
COUNTY: EMERY CAUSE: 245-1 160 ACRES



PREPARED  
DATE: 7-Feb-2000



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt  
Governor  
Kathleen Clarke  
Executive Director  
Lowell P. Braxton  
Division Director

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

February 9, 2000

Texaco Exploration & Production, Inc.  
3300 North Butler  
Farmington, New Mexico 87401

Re: Federal T 22-69 Well, 870' FNL, 539' FEL, NE NE, Sec. 22, T. 18 S, R. 7 E,  
Emery 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 43-015-30451.

Sincerely,

A handwritten signature in cursive script that reads "John R. Baza".

John R. Baza  
Associate Director

jb

Enclosures

cc: Emery County Assessor  
Bureau of Land Management, Moab District Office

**Operator:** Texaco E&P Inc.

**Well Name & Number:** Federal T 22-69

**API Number:** 43-015-30451

**Lease:** UTU-68538

**Location:** NE NE      **Sec.** 22      **T.** 18 S.      **R.** 7 E.

### 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

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.  
Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza at (801)538-5334.

3. Reporting Requirements

All required reports, forms and submittals shall 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. State approval of this well does not supersede the required Federal Approval which must be obtained prior to drilling.



**Texaco Exploration  
and Production Inc.**  
Denver Region

3300 North Butler  
Farmington, NM 87401  
505 325-4397

February 9, 2000

State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
Ms. Lisha Cordova  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

**RECEIVED**

FEB 14 2000

DIVISION OF  
OIL, GAS AND MINING

Re: **Bond Coverage**  
**Application for Permit to Drill**

WELL	SECTION	RANGE	TOWNSHIP	COUNTY	STATE
Utah Fed "T" 22-69	22	18S	7E	Emery	Utah
Utah Fed "T" 22-83	22	18S	7E	Emery	Utah
Utah Fed "C" 23-84	23	18S	7E	Emery	Utah
Utah Fed "T" 27-85	27	18S	7E	Emery	Utah
Utah Fed "T" 27-86	27	18S	7E	Emery	Utah
Utah Fed "T" 27-87	27	18S	7E	Emery	Utah
Utah Fed "A" 26-88	26	18S	7E	Emery	Utah
Utah Fed "A" 35-89	35	18S	7E	Emery	Utah
Utah Fed "T" 27-90	27	18S	7E	Emery	Utah
Utah Fed "T" 22-91	22	18S	7E	Emery	Utah
Utah Fed "P" 3-92	3	18S	7E	Emery	Utah
Utah Fed "P" 3-93	3	18S	7E	Emery	Utah
Utah Fed "T" 21-94	21	18S	7E	Emery	Utah

Dear Lisha:

The Bond Coverage for the above referenced wells is provided by U.S. Dept. of Interior Federal Oil & Gas Lease Bond No. 5858552 and State of Utah Bond No.s 5858501 & 5858502 issued by General Insurance Company of America.

Please accept this letter as Texaco Exploration and Production Incorporated's written request for confidential treatment of all information contained in and pertaining to these permit applications, if said information is eligible for such consideration.

Thank you very much for your timely consideration of these applications. Please feel free to contact me at the above number (ext. 12) if you have any questions.

Sincerely,

Richard Carr  
Texaco E. & P. Inc.  
Farmington Operating Unit

RNC/mc

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

*SUBMIT IN TRIPLICATE*

1. Type of Well

Oil  Gas

2. Name of Operator

Texaco Exploration & Production, Inc.

3. Address and Telephone No.

3300 N. Butler, Suite 100, Farmington, New Mexico 87401

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

870' FNL, 539' FEL  
NE/4 NE/4, Section 22, T18S, R7E, SLB&M

5. Lease Designation and Serial No.

UTU-68538

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Federal T 22-69

9. API Well No.

10. Field and Pool, or Exploratory Area

Undesignated

11. County or Parish, State

Emery County, Utah

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

TYPE OF SUBMISSION

TYPE OF ACTION

- Notice of Intent
- Subsequent Report
- Final Abandonment Notice

- Change of Name
- Recompletion
- Plugging Back
- Casing Repair
- Altering Casing
- Transmission Line Information

- Change of Plans
- New Construction
- Non-Routine Fracturing
- Water Shut-Off
- Conversion to Injection
- Dispose Water

13. Describe Proposed or Completed Operations ( Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Please include the following information with the previously submitted Application for Permit to Drill (all sizes and lengths are approximate based on information available at this time):**

**The Gas Pipeline will be 3" to 8" in diameter, buried at a depth of 4', and travel 2,300' along the proposed access road.**

**The Water Pipeline will be 4" to 8" in diameter, buried at a depth of 4', and travel 2,300' within the same trench as the gas pipeline.**

**The 3-Phase Power Line will be overhead, opposite the pipelines, and travel 2,300' along the proposed access road.**

**RECEIVED**

FEB 17 2000

14. I hereby certify that the foregoing is true and correct

Signed Ron With Title PRODUCTION SUPERVISOR Date 2/14/00

DIVISION OF  
OIL, GAS AND MINING

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

*SUBMIT IN TRIPLICATE*

1. Type of Well  
 Oil  Gas

2. Name of Operator  
Texaco Exploration & Production, Inc.

3. Address and Telephone No.  
3300 N. Butler, Suite 100, Farmington, New Mexico 87401

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
870' FNL, 539' FEL  
NE/4 NE/4, Section 22, T18S, R7E, SLB&M

**CONFIDENTIAL**

5. Lease Designation and Serial No.	UTU-68538
6. If Indian, Allottee or Tribe Name	N/A
7. If Unit or CA, Agreement Designation	N/A
8. Well Name and No.	Federal T 22-69
9. API Well No.	43-015-30451
10. Field and Pool, or Exploratory Area	Undesignated
11. County or Parish, State	Emery County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Change of Name	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Change to the submitted 13 Point Plan	<input type="checkbox"/> Dispose Water

13. Describe Proposed or Completed Operations ( Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Please replace pages 1 and 2 of the 13 point plan within the submitted Federal T 22-69 APD with the following pages 1 and 2.**

**The proposed access was changed during Right-of-Way preparation and the change not made within the subsequent APD submission.**

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14. I hereby certify that the foregoing is true and correct

Signed Ron With Title PRODUCTION SUPERVISOR Date 3/27/2000

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_

Conditions of approval, if any:

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

*Federal Approval of this  
Action is Necessary*

**FOR RECORD ONLY**

Bureau of Land Management  
Moab District  
Application for Permit to Drill  
On-Site Inspection Checklist

Company: Texaco Exploration & Production, Inc. Well No.: Federal 22-69

Location: Section 22, T18S, R7E SLB & M

Lease No.: Federal UTU-68538

On-Site Inspection Date: January 20, 2000

B. THIRTEEN POINT SURFACE USE PLAN

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

1. Existing Roads:

- a. Proposed route to location: *See Exhibit "B"*.
- b. Location of proposed well in relation to town or other reference point: *Approximately 3.7 miles north west of Orangeville, Utah.*
- c. Contact the County Road Department for use of county roads. The use of Emery County roads will require an encroachment permit from the Emery County Road Department:  
*N/A*
- d. Plans for improvement and/or maintenance of existing roads: *N/A*
- e. Other:

2. Planned Access Roads:

- a. Location (centerline): *From the existing 23-8 wellsite, approximately 900' FNL, 1900' FWL, Section 23, T18S, R7E.*
- b. Length of new access to be constructed: *Approximately 2480'*
- c. Length of existing roads to be upgraded: *None*
- d. Maximum total disturbed width: *60'*
- e. Maximum travel surface width: *25'*
- f. Maximum grades: *10%*
- g. Turnouts: *None*
- h. Surface materials: *Native*
- i. Drainage (crowning, ditching, culverts, etc): *Roads will be crowned with bar ditches on both sides with approximately 8 culverts placed along the new road.*

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- j. Cattleguards: *No cattleguards will be needed, Gates will be installed if required.*
- k. Length of new and/or existing roads which lie outside the lease boundary for which a BLM right-of-way is required: *2156.11', see Exhibit "I".*
- l. Other:

Surface disturbance and vehicular travel will be limited to the approved location access road. Any additional area needed must be approved by the Area Manager in advance.

If a right-a-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.

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 onlease/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 a 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.

If the well is productive, the access road will be rehabilitated or brought to Resource (Class III) 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 Area Manager will be notified so that temporary drainage control can be installed along the access road.

- 3. Location of Existing Wells - 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: *See Exhibit "E"*
  - b. Off-site facilities: *None*
  - c. Pipelines: *N/A*

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All permanent (in place for six months or longer) structures constructed or installed (including oil well pump jacks) will be painted a flat, nonreflective color to match the standard environmental colors, as determined by the Rocky Mountain Five-State Interagency Committee. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) may be excluded. Colors will be as follows: *Olive Black*.

All site security guidelines identified in 43 CFR 3163.7-5 and Onshore Oil and Gas Order No. 3 Colors will be as follows: *Olive Black*.

If a gas meter run is constructed, it will be located on lease within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and will be buried downstream of the meter until it leaves the pad. Meter runs will be housed and/or fenced. The gas meter shall be calibrated prior to first sales and shall be calibrated quarterly thereafter. All gas production and measurement shall comply with the provisions of 43 CFR 3162. 7-3, Onshore Oil and Gas Order No. 5, and American Gas Association (AGA) Report No. 3.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK  
 DRILL  DEEPEN

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Texaco Exploration and Production, Inc.

3. ADDRESS AND TELEPHONE NO.  
 3300 North Butler, Farmington, NM 87401; 505-325-4397

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface: 870' FNL, 539' FEL  
 At proposed prod. zone: 870' FNL, 539' FEL

5. LEASE DESIGNATION AND SERIAL NO.  
 UUU-68538

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 N/A

7. UNIT AGREEMENT NAME  
 N/A

8. FARM OR LEASE NAME, WELL NO.  
 Federal T 22-69

9. API WELL NO.  
 43-015-30451

10. FIELD AND POOL, OR WILDCAT  
 Undesignated

11. SEC., T., R., M., OR BLK.  
 NE/4 NE/4, Section 22  
 T18S, R7E, SLB&M

12. COUNTY OR PARISH  
 Emery

13. STATE  
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 3.7 miles northwest of Orangeville, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 539'

16. NO. OF ACRES IN LEASE  
 2205.82

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 160 acres

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 2575'

19. PROPOSED DEPTH  
 3505'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6346' GR

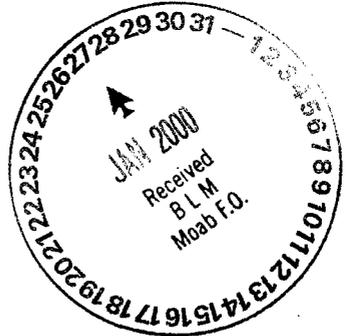
22. APPROX. DATE WORK WILL START\*  
 April 2000

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" K-55 ST&C	24	300'	230 sacks Class G cement + 2% CaCl <sub>2</sub> + 0.25 pps cellophane flakes
7-7/8"	5-1/2" N-80 LT&C	17	3505'	135 sacks 10:1 RFC Class G cement + 0.25 pps cellophane flakes

Bond # CO 0058

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CONDITIONS OF APPROVAL ATTACHED

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A  
 Dated 1/1/80

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE FARMINGTON O. U. TEAM LEADER DATE 1/7/2000

(This space for Federal or State office use)  
 PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

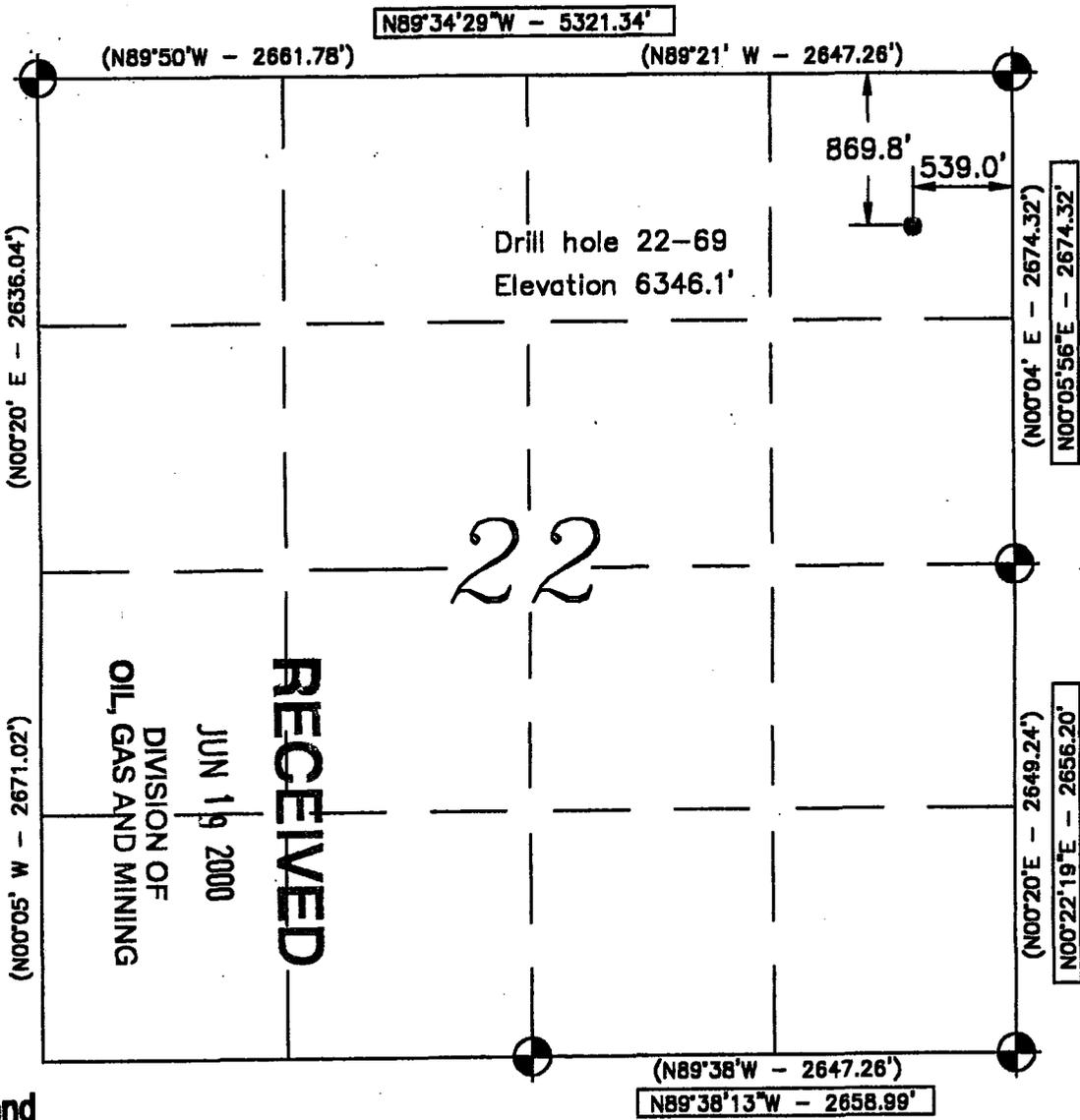
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
 CONDITIONS OF APPROVAL, IF ANY:  
 APPROVED BY /S/ WILLIAM C. STRINGER TITLE Assistant Field Manager, Division of Resources DATE JUN 14 2000

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency or the

Township 18 South

# Range 7 East



Drill hole 22-69  
Elevation 6346.1'

22

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**Location:**

The Bearings indicated are per the recorded plat obtained from the U.S. Land Office. The well location was determined using a Trimble 4700 GPS survey grade unit.

**Basis of Elevation:**

Basis of Elevation of 6008.88' being a Utah State Engineer's benchmark located between Section 25 and Section 26, T18S, R9E, Salt Lake Base & Meridian, 350' South of the Northwest Corner of Section 25, Township 18 South, Range 7 East.

**Description of Location:**

Proposed Drill Hole located in the NE 1/4, NE 1/4 of Section 22; being 869.8' South and 539.0' West from the NE Corner of Section 22, T18S, R7E, Salt Lake Base and 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.

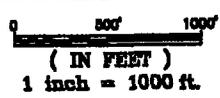


**Talon Resources, Inc.**  
375 South Carbon Avenue, Suite 126  
Price, Utah 84501  
Ph: 435-637-5032 ext. 711  
Fax: 435-748-5085

**TEXACO E & P**  
**WELL # 22-69**  
Section 22, T18S., R7E., S.L.B.&M.  
Emery County, Utah

Drawn By <b>D. Robertson</b>	Checked By <b>L.W.J.</b>
Drawing No. <b>A-1</b>	Date <b>11/22/99</b>
	Scale <b>1" = 1000'</b>
Sheet <b>1</b> of <b>4</b>	Job No. <b>050</b>

**GRAPHIC SCALE**



**Legend**

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

Texaco Exploration & Production, Inc.  
Federal T 22-69  
Lease U-68538  
NENE Section 22, T18S, R7E  
Emery County, Utah

#### CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that Texaco Exploration & Production, Inc. is considered to be the operator of the above well and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for this well is provided by CO0058 (Principal - Texaco Exploration & Production, Inc.) via surety consent as provided for in 43 CFR § 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43 CFR § 3106.7-2 continuing responsibility are met.

This permit will be valid for a period of one year from the date of approval. After permit termination, a new application must be filed for approval.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR § 3100), Onshore Oil and Gas Orders, lease terms, notices to lessees, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to field representatives to insure compliance.

## A. DRILLING PROGRAM

1. The proposed BOP system is in a 2M configuration. Although components of the system are rated to 3000 psi, testing to the requirements of a 2M system will be sufficient.
2. It is not clear whether a pressure gauge is depicted on the choke manifold schematic. A pressure gauge must be installed on the choke manifold (preferably at the cross), and a valve capable of isolating the gauge from manifold pressure must be in-place.
3. Concurrent approval from the State of Utah, Division of Oil, Gas & Mining is required before conducting any surface disturbing activities.
4. A cement bond log (CBL) or other appropriate tool shall be used to determine the top-of-cement behind the production casing.

SURFACE USE

1. The following appendices are attached for your reference. They are to be followed as conditions of approval:

Table A-1, Seed Mixture for Green Strip Areas  
Table A-2, Seed Mixture for Final Reclamation, Pinyon-Juniper Areas  
EMP 16 & 19, 21, Winter Seasonal Restriction on Critical & High  
Priority Winter Range

2. Whether the mud pit shall be lined will be determined at the time of construction.
3. Within six months of installation, surface structures shall be painted in the following flat, earth tone color: Olive Black (5W A 20-6). This Fuller O'Brien color is for reference only. Any brand of paint may be used provided the colors match. Any facilities that must be painted to comply with OSHA standards are exempt.
4. Soil is to be tested at a certified soils lab. If soil test results determine the need, commercial fertilization shall be applied. The soil on all sites to be reseeded is to be tested for electrical conductivity, SAR (Sodium Absorption Ratio), macronutrients (N, P, K) and DTPA micronutrients (Fe, Zn, Cu, Mg, Ca, Cr, Ni).

Commercial fertilizer with a formula of 16-16-8 is to be applied at a rate of 200 pounds per acre to the site as directed by the authorized officer. The rate may be adjusted depending on the soil test results.

Soil collection and testing should be performed at the time of pad and road construction. Test results shall be sent to the Price BLM Field Office

5. The lowest profile pump jack possible shall be used to produce the well.

GENERAL CONSTRUCTION

1. Operator shall contact the Price BLM Office at least forty-eight hours prior to the anticipated start of construction and/or any surface disturbing activities. The BLM may require and schedule a preconstruction conference with the operator prior to the operator commencing construction and/or surface disturbing activities. The operator and the operator's contractor, or agents involved with construction and/or any surface disturbing activities associated with the project, shall attend this conference to review the Conditions of

Approval and plan of development. The operator's inspector will be designated at the pre-drill conference, and is to be given an approved copy of all maps, permits and conditions of approval before the start of construction. The BLM will also designate a representative for the project at the preconstruction conference.

2. The operator shall designate a representative(s) who shall have the authority to act upon and to implement instructions from the BLM. The operator's representative shall be available for communication with the BLM within a reasonable time when construction or other surface disturbing activities are underway.
3. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the operator, or any person working on his behalf, on public land is to be immediately reported to the Price BLM Office. The operator will suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Price BLM Office. An evaluation of the discovery will be made by the BLM to determine appropriate actions to prevent the loss of significant cultural or scientific values. The operator is responsible for the cost of evaluation of any site found during construction. The BLM will determine what mitigation is necessary.
4. During project construction, surface disturbance and vehicle travel shall be limited to the approved location and access routes. Any additional area needed must be approved by the Price BLM Office prior to use.
5. The operator must provide a trash cage for the collection and containment of all trash. The trash shall be disposed in an authorized landfill. The location and access roads shall be kept litter free.
6. Vegetation removal necessitated by construction shall be confined to the limits of actual construction. Removed vegetation will be stockpiled for use in reclamation or removed from the construction site at the direction of the BLM.
7. Prior to surface disturbance, topsoil is to be separately removed and segregated from other material. Topsoil depth will be decided onsite by BLM. If the topsoil is less than 6 inches, a 6-inch layer that includes the A horizon and the unconsolidated material immediately below the A horizon shall be removed and the mixture segregated and redistributed as the surface soil layer.

Generally topsoil shall be stored within the pad site or adjacent to access roads. The company in consultation with BLM shall determine stockpile locations and dimensions at the onsite. If the topsoil stockpiles will not be redistributed for a period in excess of one (1) year, the stockpiles are to be

seeded with seed mixture Pinyon-Juniper (see attached).

#### ROAD and PIPELINE CONSTRUCTION

8. Operator shall provide an inspector under the direction of a registered professional engineer (PE) at all times during road construction. A PE shall certify (statement with PE stamp) that the road was constructed to the required Bureau of Land Management (BLM) road standards.
9. Road construction or routine maintenance activities are to be performed during periods when the soil can adequately support construction equipment. If such equipment creates ruts more than 6 inches deep, the soil is deemed too wet to adequately support construction equipment.
10. The operator is responsible for maintenance of all roads authorized through the lease or a right-of-way. Construction and maintenance shall comply with Class II or III Road Standards as described in BLM Manual Section 9113 and the Moab District Road Standards, except as modified by BLM. Maintenance may include but is not limited to grading, applying gravel, snow removal, ditch cleaning, headcut restoration/prevention.
11. Topsoil from access roads and pipelines is to be wind rowed along the uphill side of the road or stored in an approved manner. When the road and pipeline is rehabilitated, this soil will then be used as a top coating for the seed bed.
12. Erosion-control structures such as water bars, diversion channels, and terraces will be constructed to divert water and reduce soil erosion on the disturbed area. Road ditch turnouts shall be equipped with energy dissipators as needed to avoid erosion. Where roads interrupt overland sheet-flow and convert this runoff to channel flow, ditch turnouts shall be designed to reconvert channel flow to sheet flow. Rock energy dissipators and gravel dispersion fans may be used, or any other design which would accomplish the desired reconversion of flow regime. As necessary cut banks, road drainages, and road crossings shall be armored or otherwise engineered to prevent headcutting.

#### PAD CONSTRUCTION

13. During the construction of the drill pad, suitable topsoil material is to be stripped and conserved in a stockpile on the pad. If stockpiles are to remain for more than a year, they shall be seeded with the seed mixture Pinyon-Juniper (see attached).
14. Generally, drill pads are to be designed to prevent overland flow of water

from entering or leaving the site. The pad is to be sloped to drain spills and water into the reserve pit. The drill pad shall be designed to disperse diverted overland flow and to regulate flow velocity so as to prevent or minimize erosion. Well pad diversion outlets shall be equipped with rock energy brakes and gravel-bedded dispersion fans.

## REHABILITATION PROCEDURES

### Site Preparation

15. The entire roadbed should be obliterated and brought back to the approximate original contour. Drainage control is to be reestablished as necessary. All areas affected by road construction are to be recontoured to blend in with the existing topography. All berms are to be removed unless determined to be beneficial by BLM. In recontouring the disturbed areas, care should be taken to not disturb additional vegetation.

### Seedbed Preparation

16. An adequate seedbed should be prepared for all sites to be seeded. Areas to be revegetated should be chiseled or disked to a depth of at least 12 inches unless restrained by bedrock.
17. Ripping of fill materials should be completed by a bulldozer equipped with single or a twin set of ripper shanks. Ripping should be done on 4-foot centers to a depth of 12 inches. The process should be repeated until the compacted area is loose and friable, then shall be followed by final grading. Seedbed preparation will be considered complete when the soil surface is completely roughened and the number of rocks (if present) on the site is sufficient to cause the site to match the surrounding terrain.
18. After final grading, the stockpiled topsoil shall be spread evenly across the disturbed area.

### Fertilization

19. Commercial fertilizer with a formula of 16-16-8 is to be applied at a rate of 200 pounds per acre to the site. The rate may be adjusted depending on soil.
20. Fertilizer is to be applied not more than 48 hours before seeding, and shall be cultivated into the upper 3 inches of soil.
21. Fertilizer is to be broadcast over the soil using hand-operated "cyclone-type" seeders or rotary broadcast equipment attached to construction or

revegetation machinery as appropriate to slope. All equipment should be equipped with a metering device. Fertilizer application is to take place before the final seeding preparation treatment. Fertilizer broadcasting operations should not be conducted when wind velocities would interfere with even distribution of the material.

### Mulching

22. When it is time to reclaim this location, the Price BLM Office will determine whether it will be necessary to use mulch in the reclamation process. The type of mulch should meet the following requirements: Wood cellulose fiber shall be natural or cooked, shall disperse readily in water, and shall be nontoxic. Mulch shall be thermally produced and air dried. The homogeneous slurry or mixture shall be capable of application with power spray equipment. A colored dye that is noninjurious to plant growth may be used when specified. Wood cellulose fiber is to be packaged in new, labeled containers. A minimum application of 1500 pounds per acre shall be applied. A suitable tackifier shall be applied with the mulch at a rate of 60 to 80 pounds per acre.

An alternative method of mulching on small sites would be the application of straw or hay mulch at a rate of 2000 pounds per acre. Hay or straw shall be certified weed free. Following the application of straw or hay, crimping shall occur to ensure retention.

### Reseeding

23. All disturbed areas are to be seeded with the seed mixture required by the BLM. The seed mixture(s) shall be planted in the fall of the year (Sept-Nov), in the amounts specified in pounds of pure live seed (PLS)/acre. There shall be no noxious weed seed in the seed mixture. Seed will be tested and the viability testing of seed shall be done in accordance with State law(s) and within 12 months prior to planting. Commercial seed will be either certified or registered seed. The seed mixture container shall be tagged in accordance with State law(s) and available for inspection by the BLM. Seed is to be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture shall be evenly and uniformly planted over the disturbed area. (Smaller/heavier seeds tend to drop to the bottom of the drill and are planted first. Appropriate measures should be taken to ensure this does not occur.) Where drilling is not possible, seed is to be broadcast and the area raked or chained to cover the seed. Woody species with seeds that are too large for the drill will be broadcast. When broadcasting the seed, the pounds per acre noted below are to be increased by 50 percent. Reseeding may be required if a satisfactory stand is

not established to the surface rights owner's specifications. Evaluation of the seeding's success will not be made before completion of the second growing season after the vegetation becomes established. The Price BLM Office is to be notified a minimum of seven days before seeding a project.

24. The disturbed areas for the road and pipeline must be seeded in the fall of the year, immediately after the topsoil is replaced. The prescribed seed mixture is Pinyon-Juniper (see attached).

#### General

25. Prior to the use of insecticides, herbicides, fungicides, rodenticides and other similar substances, the operator must obtain from BLM, approval of a written plan. The plan must describe the type and quantity of material to be used, the pest to be controlled, the method of application, the location for storage and disposal of containers, and other information that BLM may require. A pesticide may be used only in accordance with its registered uses and within other agency limitations. Pesticides must not be permanently stored on public lands.

TABLE A-1 GREEN STRIP SEED LIST

The following seed mix shall be used for temporary seeding of the areas around the edge of the drill pads, topsoil storage piles, service roads and borrow ditches.

Forage kochia	<i>Kochia prostrata</i>	2
Wyoming big sagebrush	<i>Artemisia tridentata wyomingensis</i>	1
	Var. Gordon Creek	
Douglas low rabbitbrush	<i>Chrysothamnus viscidiflorus</i>	<u>1</u>
	<b>TOTAL</b>	<b>4</b>

TABLE A-2 FINAL RECLAMATION SEED LIST

The following seed mix shall be used in rehabilitation of well sites and roads :

<u>Common Plant Name</u>	<u>Scientific Name</u>	<u>Pounds per acre (PLS)<sup>1</sup></u>
Grasses		
Thickspike wheatgrass	<i>Elymus lanceolatus</i>	1.5
Intermediate wheatgrass	<i>Elytrigia intermedia</i>	1.5
Squirreltail	<i>Elymus elymoides</i>	2.
Crested wheatgrass	<i>Agropyron desertorum</i>	2.
Forbs		
Lewis flax	<i>Linum perenne lewisii</i>	1
Palmer penstemon	<i>Penstemon palmerii</i>	1
Shrubs		
Forage kochia	<i>Kochia prostrata</i>	2
Fourwing saltbush	<i>Atriplex canescens</i>	2
Wyoming big sagebrush	<i>Atemesia tridentata wyomingensis</i> var	
	Gordon Creek	1
Antelope bitterbrush	<i>Purshia tridentata</i>	<u>1</u>
	<b>TOTAL</b>	<b>15</b>

Notes:

1. Seeding rate is listed as pounds per acre of pure live seed (PLS) drilled. Rate is increased by 50 percent if broadcast seeded.

Formula : pure live seed (PLS) = % seed purity x % seed germination.

**FERRON NATURAL GAS PROJECT AREA**

**PROPONENT:** TEXACO

**WELL #:** 22-69

**EPM 16 & 17: WINTER SEASONAL RESTRICTION (DECEMBER 1 to APRIL 15) ON CRUCIAL AND HIGH PRIORITY WINTER RANGE.**

Pg 1 of 1

Restrictions on Construction Phase Activity: Prohibit construction phase activity, described below, on big game high value and critical winter range during the period (December 1 - April 15) without regard for land ownership.

This condition would not apply to normal maintenance and operation of producing wells, described below. On nonfederal lands (where the federal government does not have either surface or subsurface ownership) the Companies would be allowed to conduct construction phase activity if needed to avoid breach of contract or loss of lease rights. In the event construction phase activity proceeds into the winter closure period on non federal interest lands, Companies would make available appropriate documentation to UDWR, upon request.

Construction Phase Activity: Construction phase activity is considered to include all work associated with initial drilling and construction of facilities through completion, including installation of pumping equipment, connection with ancillary facilities and tie-in with pipelines necessary for product delivery.

Companies would not be allowed to initiate construction activity unless it is reasonable to believe that such work can be finished to a logical stopping point prior to December 1 of that year. Specific activities considered to be covered by the seasonal closure include all heavy equipment operation including but not limited to the following:

- Mobilization/Demobilization or operation of heavy equipment (crawler tractor, front end loader, backhoe, road grader, etc.)
- Construction activity (road construction or upgrading, pad, pipeline, powerline, ancillary facilities, etc.).
- Drilling activity (Operator would not propose or initiate drilling activity if the project could not reasonably be expected to be finished to a logical stopping point by the December 1 date of that year.)
- Seismic operation, detonation of explosives

This seasonal closure would not apply to reconnaissance, survey/design and/or flagging of project work or other similar activity not requiring actions listed for heavy equipment operation.

Production Phase: A well is considered to be in production phase when the well and ancillary facilities are completed to the point that they are capable of producing and delivering product for sale. It is noted that heavy equipment operation may be necessary in the performance of maintenance and operation of producing wells.

Restriction on Non Emergency Workover Operations: The Companies will schedule non-emergency workover operations (defined below) on big game crucial and high value winter range outside the December 1 to April 15 date of the seasonal closure.

Non-emergency Workover Operations: Workover operations to correct or reverse a gradual loss of production over time (loss of production of 20 percent or less over a 60 day period) is considered to be routine or non-emergency workover operations and would not be permitted during the December 1 to April 15 time frame.

Emergency Workover Operations: Emergency work over operations are defined as downhole equipment failure problems or workover operation necessary to avoid shut in of the well or to avoid an immediate safety or environmental problem. Loss of production greater than 20 percent within a 60 day period is indicative of pump failure and will be treated as an emergency workover operation. The Companies will submit Sundry notices to BLM within five days of the emergency workover operations between December 1 and April 15.

**FERRON NATURAL GAS PROJECT AREA**

**PROPONENT:** TEXACO

**WELL #:** 22-69

**EPM 19: CRITICAL WINTER RANGE BROWSE HAND PLANTING**

One or two browse species lists (checked below) are to be hand planted at the prescribed application rate and according to the following prescribed methods on critical winter range areas that are undergoing long term reclamation. This would include all pipeline corridors, berm around edge of drill pads, miscellaneous disturbed areas associated with construction such as staging areas for equipment, sidecast on road cuts, along side upgraded or new roads up to and including borrow ditch and in the termination of redundant access roads being closed. This planting shall be completed in the first planting window following reclamation.

**Planting Methods:**

Planting shall be accomplished using a labor force with specific experience in landscape restoration, hand planting methods and handling and care of browse tubling and or bareroot stock plants.

Browse plants to be utilized can be bareroot stock or tubling stock plants of 1 year old age class or greater.

Browse seedling protectors will be used to provided protection from browsing ungulates for two years. Seedling protectors will be of an open mesh rigid design that will break down when exposed to sunlight and that measures a minimum of 12 inches in length and 4 inches in diameter.

Planting shall be completed in the spring (March 1- April 1) and or fall (November 1- December 1) planting windows.

Browse plants shall be stored and handled in such a manner as to maintain viability, according to the type of browse stock being used.

**Planting Species and Application Rate:**

<u>Species</u>	<input checked="" type="checkbox"/> Sagebrush-Grass <u>Plants Per Acre</u>	<input type="checkbox"/> Pinyon-Juniper
Wyoming Sagebrush (Gordon Creek)	100	50
Fourwing Saltbush (Utah seed source collected at or above 5,000 feet elevation)	100	50
True Mountain Mahogany (Utah seed source)	0	50
Antelope Bitterbrush (Utah seed source)	0	50
<b>Total</b>	<b>200</b>	<b>200</b>

**Suitable Substitutions:**

Prostrate Kochia	yes	yes
Whitestem Rubber Rabbitbrush	no	yes
Utah Serviceberry	no	yes
Winterfat	yes	no

**FERRON NATURAL GAS PROJECT AREA**  
PROPONENT: TEXACO

WELL #: 22-109

**EPM 21: SURFACE DISTURBANCE MITIGATION FOR CRITICAL AND HIGH PRIORITY WINTER RANGE**

Pg. 1 of 1

The subject permit application is proposed within critical and high priority winter range (FEIS) and subject to EPM 21 requiring acre for acre mitigation for surface disturbance on critical winter range. The following condition comes from a cooperative agreement between the Texaco, Anadarko, Chandler (Companies), BLM-Price Field Office, the Utah Division of Wildlife Resources and the National Fish and Wildlife Foundation. The Companies agreed to the following:

1. Contribute \$1,301.26 (1998 dollars) for each Federal interest well (Federal surface and or subsurface ownership) permitted and drilled by the Companies (or on behalf of Companies by its contractor) on big game critical winter range as depicted in the FEIS Ferron Natural Gas Project Area. (Wells meeting the above criteria for which payment will be required, will be referred to as "subject wells".) This contribution will be adjusted annually for inflation based on the Consumer Price Index (CPI), see Section II.C.6. for the reference source used for the determination of the CPI and the date in which this annual adjustment will go into effect.

Since this mitigation program is designed to address impacts of all big game critical winter range surface disturbance (roads, well pads, pipelines, etc.), contributions will be required regardless of the success or failure of the subject well to produce.

- a. The recorded date for spudding for each subject well (the first boring of a hole during the drilling of a well) will serve as the reference date triggering the requirement for the mitigation contribution.
- b. Contributions will be submitted (in the form of an Company check, cashiers check or wire transfer) directly to the National Fish and Wildlife Foundation by the 1<sup>st</sup> of August and February for all subject wells spudded in the preceding six months as reported by the Bureau.
- c. All contributions will be made payable to the "National Fish and Wildlife Foundation re, Proj 99-270" and reference the "Ferron Natural Gas Wildlife Habitat Impact Mitigation Fund".

## C. REQUIRED APPROVALS, REPORTS AND NOTIFICATIONS

Required verbal notifications are summarized in Table 1, attached.

Building Location- Contact the BLM Natural Resource Protection Specialist at least 48-hours prior to commencing construction of location.

Spud- The spud date will be reported to BLM 24-hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the Moab Field Office within 24-hours after spudding, regardless of whether spud was made with a dry hole digger or big rig.

Daily Drilling Reports- Daily drilling reports shall detail the progress and status of the well and shall be submitted to the Moab Field Office on a weekly basis.

Monthly Reports of Operations- In accordance with Onshore Oil and Gas Order No. 1, this well shall be reported on Minerals Management Service (MMS) Form 3160, "Monthly Report of Operations," starting the month in which operations commence and continuing each month until the well is physically plugged and abandoned. This report will be filed directly with MMS.

Sundry Notices- There will be no deviation from the proposed drilling and/or workover program without prior approval. "Sundry Notices and Reports on Wells" (Form 3160-5) will be filed, with the Moab Field Office, for approval of all changes of plans and subsequent operations in accordance with 43 CFR § 3162.3-2. Safe drilling and operating practices must be observed.

Drilling Suspensions- Operations authorized by this permit shall not be suspended for more than 30 days without prior approval of the Moab Field Office. All conditions of this approval shall be applicable during any operations conducted with a replacement rig.

Undesirable Events- Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be immediately reported to the BLM in accordance with requirements of NTL-3A.

Cultural Resources- If cultural resources are discovered during construction, work that might disturb the resources is to stop, and the Price Field Office is to be notified.

First Production- Should the well be successfully completed for production, the Moab Field Office will be notified when the well is placed in producing status. Such notification may be made by phone, but must be followed by a sundry notice or letter not later than five business days following the date on which the well is placed into production.

A first production conference will be scheduled as soon as the productivity of the well is apparent. This conference should be coordinated through the Price Field Office. The Price Field Office shall be notified prior to the first sale.

Well Completion Report- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the Moab Field Office not later than thirty-days after completion of the well or after completion of operations being performed, in accordance with 43 CFR § 3162.4-1. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. When requested, samples (cuttings and/or samples) will be submitted to the Moab Field Office.

Venting/Flaring of Gas- Gas produced from this well may not be vented/flared beyond an initial, authorized test period of 30 days or 50 MMcf, whichever first occurs, without the prior, written approval of the Moab Field Office. Should gas be vented or flared without approval beyond the authorized test period, the well may be ordered shut-in until the gas can be captured or approval to continue the venting/flaring as uneconomic is granted. In such case, compensation to the lessor shall be required for that portion of the gas that is vented/flared without approval and which is determined to have been avoidably lost.

Produced Water- An application for approval of a permanent disposal method and location will be submitted to the Moab Field Office for approval pursuant to Onshore Oil and Gas Order 7.

Off-Lease Measurement, Storage, Commingling- Prior approval must be obtained from the Moab Field Office for off-lease measurement, off-lease storage and/or commingling (either down-hole or at the surface).

Plugging and Abandonment- If the well is completed as a dry hole, plugging instructions must be obtained from the Moab Field Office prior to initiating plugging operations.

A "Subsequent Report of Abandonment" (Form 3160-5) will be filed with the Moab Field Office within thirty-days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR § 3162.6. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Price Field Office or the appropriate surface managing agency.

TABLE 1

NOTIFICATIONS

Notify Mike Kaminski (work: 435-636-3640, home: 435-637-2518) or Don Stephens (work: 435-636-3608, home: 435-637-7967) of the BLM, Price Field Office for the following:

2 days prior to commencement of dirt work, construction and reclamation;

1 day prior to spudding;

50 feet prior to reaching the surface casing setting depth

If the people above cannot be reached, notify the Moab Field Office at (435) 259-2100. If unsuccessful, contact the person listed below.

Well abandonment operations require 24 hour advance notice and prior approval. In the case of newly drilled dry holes, verbal approval can be obtained by calling the Moab Field Office at (435) 259-2100. If approval is needed after work hours, you may contact the following:

Eric Jones, Petroleum Engineer      Office: (435) 259-2117  
Home: (435) 259-2214



Texaco Exploration and Production Inc

3300 N Butler  
Farmington NM 87401

**CONFIDENTIAL**

July 6, 2000

Mr. Gil Hunt  
Dept. of Natural Resources  
Div. of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

Re: Utah Federal "T" 22-69 *T.185 ROYE SEC 22*  
Utah Federal "P" 27-87  
Utah Federal "P" 35-89  
SWD #3

Dear Gil:

Enclosed please find copies of the daily drilling reports for the above mentioned wells. These daily drilling reports have been submitted to the Bureau of Land Management.

Please feel free to contact Ian Kephart or myself at the above number if you have any questions.

Sincerely,

Alan R. Davis  
Texaco Exploration and Production Inc.  
Farmington Operating Unit

Cc: Farmington well file

ksd

**RECEIVED**

JUL 25 2000

DIVISION OF  
OIL, GAS AND MINING



Field: BUZZARD BENCH Activity: MOVING TO "T" 27-87 Spud Date: 6/30/00 CD: 3  
 County: EMERY State: UT TD: 3380 Footage: 220 API No: 43-015-30451-00-00  
 OU: FARMINGTON ATD: 3,505 Hours: 3.5 Estimate No 400501  
 Objective: FERRON COAL PBTD: 3,380 Class: Dev Supervisor: J. D. DEROUEN  
 GWI: 0 Well Type: GAS KB: 6,358 BOP Days: 3 Phone: (435) 748-2884  
 Lithology: SH /SD / GL: 6346 IDC\$/Ft: \$29.90 Contractor: ELENBURG #15 Footage

DIRECTIONAL SURVEYS			
M Dpth	Inclination	Azimuth	DLS
1,295	2.50	0.00	0.10
1,794	2.00	0.00	0.10
2,203	1.00	0.00	0.24
2,707	3.00	0.00	0.40
3,205	2.00	0.00	0.20
3,330	1.75	0.00	0.20

LAST SURVEY	
Measured Depth:	3,330
True Vertical Depth:	3,328.08
Inclination:	1.75
Azimuth:	0.00
North/South Coordinate:	103.72
East/West Coordinate:	0.00
Vertical Section:	103.72
Dog Leg:	0.20
Survey Tool:	TOTCO

WORK		
0.00	SFM	NO ACCIDENTS OR NEAR MISS REPORTED. SAFETY MEETING TOPICS ON WORKING AFTER DARK & LOOKING FOR HAZZARDS.
1.00	DRL	MIST DRILLED 7 7/8" HOLE FROM 3,160 FT TO 3,236 FT FOR 76 FT.
0.50	SVY	WIRELINE SURVEY @ 3,205 FT. 2 DEGREES
2.50	DRL	MIST DRILLED 7 7/8" HOLE FROM 3,226 FT TO 3,380 FT FOR 154 FT @ 61.6 FT/HR. 2,100 SCFM AIR , 12 BPH WATER & 1.5 GPH SOAP @ 250 PSI 90% BLOW HOLE CLEAN.
1.00	CCM	LOAD HOLE WITH 25 BBLs KCL WATER. WIRELINE SURVEY @ 3,330 FT . 1 3/4 DEGREES.
0.50	SVY	LAI DOW DRILL STRING TO LOG.
3.00	LDD	WAITING ON SCHLUMBERGER.
1.50	WLO	RIGGED UP SCHLUMBERGER. RAN PLATFORM EXPRESS LOG. FROM 3,370 FT . RIGGED DOWN SCHLUMBERGER.
3.00	WLO	RIGGED UP & RAN 74 JTS 5 1/2" , 17# , N-80 , LTC CASING TO 3,378 FT. FLOAT COLLAR @ 3,329 FT & MARKER JOINT @ 2,939 FT. CENTRALIZERS ON BOTTOM 3 JTS & EVERY OTHER JOINT ABOVE MARKER JOINT FOR 12 TOTAL.
2.50	PUC	CIRCULATED CAP. OF CASING.
0.50	CCM	RIGGED UP DOWELL & CEMENT 5 1/2" CASING WITH 175 SKS 10-1 RFC + 1/4 # SK D29 . DISPLACED WITH 77 BBLs WATER. BUMPED PLUG @ 22:00 HR MST ON 7/10/00 WITH 1,150 PSI. LIFT PSI 820. GOOD RETURNS DURING JOB. RELEASED PRESSURE FLOAT HELD OK.
1.50	CMT	NIPPLED DOWN BOPE. SET SLIPS & RELEASED RIG @ 01:00 HRS MST ON 7/11/00.
2.50	NBP	
20.00	<b>TOTAL HOURS</b>	

MUD DATA			
Mud Wt:	0	Oil:	0
Viscosity:	0	MBT:	0
PV:	0	pH:	0
YP:	0	Pm:	0
10 Sec Gel:	0	Pf:	0
10 Min Gel:	0	Chl:	0
WL:	0	CA:	0
HTHP:	0	Ex Lime:	0
FC:	0	Elec Stab:	0
Solids:	0	Temp:	0
Daily Cost	\$334	Cum:	\$1334

CASING				
String	Prop Size	Act Size	Prop Dep	Act Dep
CONDUCT	14	14	40	35
SURFACE	8.625	8.625	300	303
PRODUCTI	5.5	5.5	3505	3378

ESTIMATE (AFE) COSTS			
	Tangible	Intangible	Totals
Drlg:	\$4000	\$217000	\$221000
Compl:	\$44000	\$122000	\$166000
Total:	\$48000	\$339000	\$387000

ACTUAL COSTS			
	Tangible	Intangible	Totals
Drlg:	\$4187	\$101068	\$105255
Compl:	\$31575	\$7472	\$39047
Total:	\$35762	\$108540	\$144302
Daily:	\$31575	\$24659	\$56234

**MUD MATERIAL**  
KCL - 30

HYDRAULICS					
PUMP #	Liner Size	Stk Lgth	SPM	GPM	PSI:
PUMP #	0	0	0	0	250
PUMP #	0	0	0	0	AV (DC): 0
					AV (DP): 0

SLOW PUMP RATES			
PUMP #1:		@	
PUMP #1:	0	@	0
PUMP #2:	0	@	0

BHA								
BHA#	LENGTH	DEPTH IN	HOURS	TYPE	STRING WT	DRAG UP	DRAG DOWN	TORQUE
1	450	303	29.5	S	82	84	81	1800

DESCRIPTION: BIT, 15 - 6" DRILL COLLARS

BITS																						
RUN	BIT#	MAKE	SIZE	TYPE	FROM	TO	FEET	HRS	ROP	WOB	RPM	N1	N2	N3	I	O	D	L	B	G	O	R
1	1	ATJ-33	7.875	537	303	3380	3077	29.5	104	34	70	18	18	18	0	0						



**REMARKS**

Daily Cost: Elenburg \$ 5,265 - Salaries (TX) \$ 500 - ( Callaway ) \$ 640 - Rentals \$ 5 - KCL \$ 334 - Nielson ( water ) \$ 1,493 - Schlumberger \$ 7,950 - Contingency \$ 1,000 - Completion Cost: Redman ( 5 1/2" Casing ) \$ 26,300 - Bunning ( Delivered Casing ) \$ 1,580 - Weatherford ( Float Equipment ) \$ 496 - Dowell \$ 3,498 - Vetco ( Wellhead ) \$ 5,275 - ( Install wellhead ) \$ 528 - Nielson ( Cementing water ) \$ 240 - Stricker's ( clean &

**CASING REPORT**

Casing String: PRODUCTION			Run Date: 7/11/00	Shoe Depth: 3378	Float Collar Depth 3329	DV Tool Depths: 0		0	
Section	Prop. Size	Actual Size	Grade	Weight	Connection	Joints	Length	Prop. Depth	Actual Depth
1	5.5	5.5	N-80	17	LTC	74	3385	3505	3378

**CONFIDENTIAL**



Field:	BUZZARD BENCH	Activity:	MIST DRILL 7 7/8" HOLE	Spud Date:	6/30/00	CD:	2
County:	EMERY	State:	UT	TD:	3160	Footage:	2520
OU:	FARMINGTON	ATD:	3,505	Hours:	21.5	API No:	43-015-30451-00-00
Objective:	FERRON COAL	PBTD:	3,160	Class:	Dev	Estimate No	400501
GWI:	0	Well Type:	GAS	KB:	6,358	BOP Days:	2
Lithology:	SH /SD /	GL:	6346	IDC\$/Ft:	\$26.54	Supervisor:	J. D. DEROUEN
						Phone:	(435) 748-2884
						Contractor:	ELENBURG #15
						Footage	

DIRECTIONAL SURVEYS			
M Dpth	Inclination	Azimuth	DLS
1,295	2.50	0.00	0.10
1,794	2.00	0.00	0.10
2,203	1.00	0.00	0.24
2,707	3.00	0.00	0.40
3,205	2.00	0.00	0.20
3,330	1.75	0.00	0.20

LAST SURVEY	
Measured Depth:	3,330
True Vertical Depth:	3,328.08
Inclination:	1.75
Azimuth:	0.00
North/South Coordinate:	103.72
East/West Coordinate:	0.00
Vertical Section:	103.72
Dog Leg:	0.20
Survey Tool:	TOTCO

WORK		
0.00	SFM	NO ACCIDENTS OR NEAR MISS REPORTED. SAFETY MEETING TOPICS ON LIFTING & UNLOADING CASING.
2.00	DRL	MIST DRILLED 7 7/8" HOLE FROM 640 FT TO 829 FT FOR 189 FT @ 94.5 FT/HR.
0.50	SVY	WIRELINE SURVEY @ 792 FT. 2 DEGREES
4.50	DRL	MIST DRILLING 7 7/8" HOLE FROM 829 FT TO 1,327 FT FOR 498 FT @ 110.7 FT/HR.
0.50	SVY	WIRELINE SURVEY @ 1,295 FT. 2 1/2 DEGREES
4.00	DRL	MIST DRILLING 7 7/8" HOLE FROM 1,327 FT TO 1,826 FT FOR 499 FT @ 124.7 FT/HR.
0.50	SVY	WIRELINE SURVEY @ 1,794 FT. 2 DEGREES
3.00	DRL	MIST DRILLING 7 7/8" HOLE FROM 1,826 FT TO 2,234 FT FOR 408 FT @ 136 FT/HR.
0.50	SVY	WIRELINE SURVEY @ 2,203 FT. 1 DEGREE
4.00	DRL	MIST DRILLING 7 7/8" HOLE FROM 2,234 FT TO 2,736 FT FOR 502 FT @ 125.5 FT/HR.
0.50	SVY	WIRELINE SURVEY @ 2,703 FT. 3 DEGREES
4.00	DRL	MIST DRILLING 7 7/8" HOLE FROM 2,736 FT TO 3,160 FT FOR 407 FT @ 101.7 FT/HR
24.00		TOTAL HOURS

MUD DATA			
Mud Wt:	0	Oil:	0
Viscosity:	0	MBT:	0
PV:	0	pH:	0
YP:	0	Pm:	0
10 Sec Gel:	0	Pf:	0
10 Min Gel:	0	Chl:	0
WL:	0	CA:	0
HTHP:	0	Ex Lime:	0
FC:	0	Elec Stab:	0
Solids:	0	Temp:	0
Daily Cost	\$400	Cum:	\$1000

CASING					
String	Prop Size	Act Size	Prop Dep	Act Dep	
CONDUCT	14	14	40	35	
SURFACE	8.625	8.625	300	303	
PRODUCTI	5.5	5.5	3505	3378	

ESTIMATE (AFE) COSTS			
	Tangible	Intangible	Totals
Drig:	\$4000	\$217000	\$221000
Compl:	\$44000	\$122000	\$166000
Total:	\$48000	\$339000	\$387000

ACTUAL COSTS			
	Tangible	Intangible	Totals
Drig:	\$4187	\$83881	\$88068
Compl:	\$0	\$0	\$0
Total:	\$4187	\$83881	\$88068
Daily:	\$0	\$45535	\$45535

MUD MATERIAL	
KCL - 60	

HYDRAULICS						
Liner Size	Stk Lgth	SPM	GPM	PSI:	250	
PUMP #	0	0	0	AV (DC):	0	PSI Drop: 0
PUMP #	0	0	0	AV (DP):	0	HP/IN2: 0

SLOW PUMP RATES			
PUMP #1:		@	
	0	@	0
PUMP #2:		@	0
	0	@	0

BHA									
BHA#	LENGTH	DEPTH IN	HOURS	TYPE	STRING WT	DRAG UP	DRAG DOWN	TORQUE	
1	450	303	29.5	S	82	84	81	1800	

DESCRIPTION: BIT, 15 - 6" DRILL COLLARS

BITS																							
RUN	BIT#	MAKE	SIZE	TYPE	FROM	TO	FEET	HRS	ROP	WOB	RPM	N1	N2	N3	I	O	D	L	B	G	O	R	
1	1	ATJ-33	7.875	537	303	3380	3077	29.5	104	34	70	18	18	18	0	0							

REMARKS
Daily Cost: Elenburg \$ 42,210 - Salaries ( TX ) \$ 500 ( Callaway ) \$ 640 - Rentals \$ 5 - M-I ( KCL ) \$ 400 - Pason \$ 780 - Contingency \$ 1,000 ....



Field: BUZZARD BENCH	Activity: MIST DRILLING 7 7/8" HOLE	Spud Date: 6/30/00	CD: 1
County: EMERY State: UT	TD: 640 Footage: 337	API No: 43-015-30451-00-00	
OU: FARMINGTON	ATD: 3,505 Hours: 4.5	Estimate No: 400501	
Objective: FERRON COAL	PBTD: 640 Class: Dev	Supervisor: J. D. DEROUEN	
GWI: 0 Well Type: GAS	KB: 6,358 BOP Days: 1	Phone: (435) 748-2884	
Lithology: SH /SD /	GL: 6346 IDC\$/Ft: \$59.92	Contractor: ELENBURG #15	Footage

DIRECTIONAL SURVEYS			
M Dpth	Inclination	Azimuth	DLS
302	0.25	0.00	0.08
792	2.00	0.00	0.36
1,295	2.50	0.00	0.10
1,794	2.00	0.00	0.10
2,203	1.00	0.00	0.24
2,707	3.00	0.00	0.40

LAST SURVEY	
Measured Depth:	2,707
True Vertical Depth:	2,705.63
Inclination:	3.00
Azimuth:	0.00
North/South Coordinate:	77.91
East/West Coordinate:	0.00
Vertical Section:	77.91
Dog Leg:	0.40
Survey Tool:	TOTCO

WORK		
0.00	SFM	NO ACCIDENTS OR NEAR MISS REPORTED. SAFETY MEETING TOPICS ON MOVING RIG & NIPPLING UP.
1.50	MOV	MOVE RIG FROM UTAH FEDERAL "P" 11 - 72 TO "T" 22 - 69.
1.50	TTM	CASING HEAD TREADS DAMAGE. DRESSED TREADS WITH FILE & START FLANGE.
3.00	RUP	RIGGED UP ELENBURG RIG # 15.
2.00	TTM	TIGHTEN CASING HEAD FLANGE WITH DRILL PIPE & BAR. END OF DRILL PIPE BROKE OFF & FELL DOWN HOLE.
2.00	NBP	NIPPLED UP BOPE.
2.00	TBP	TESTED BOPE TO 250 PSI LOW & 2,000 PSI HIGH. OK TESTED CASING TO 1,000 PSI FOR 30 MINUTES.
1.00	FIS	TRIP WITH MAGNET. NO RECOVERY.
0.50	FIS	TRIPPED IN HOLE WITH MAGNET.
0.50	FIS	BLOWING HOLE CLEAN & WASHING DOWN TO FISH.
0.50	FIS	TRIPPED OUT OF HOLE. RECOVERED FISH.
1.00	RIH	MADE UP BIT & TRIPPED IN HOLE TO 270 FT. TOP OF CEMENT.
0.50	DRC	DRILLED CEMENT TO 303 FT.
1.00	DRL	MIST DRILLED 7 7/8" HOLE FROM 303 FT TO 362 FT FOR 59 FT.
0.50	SVY	WIRELINE SURVEY @ 302 FT. 1/4 DEGREE
3.50	DRL	MIST DRILLED 7 7/8" HOLE FROM 362 FT TO 640 FT FOR 278 FT @ 79.4 FT/HR. 2,100 SCFM AIR, 12 BPH WATER & 1.5 GPH SOAP W/ 90% EFFICIENCY.
21.00	<b>TOTAL HOURS</b>	

MUD DATA			
Mud Wt:	0	Oil:	0
Viscosity:	0	MBT:	0
PV:	0	pH:	0
YP:	0	Pm:	0
10 Sec Gel:	0	Pf:	0
10 Min Gel:	0	Chl:	0
WL:	0	CA:	0
HTHP:	0	Ex Lime:	0
FC:	0	Elec Stab:	0
Solids:	0	Temp:	0
Daily Cost	\$600	Cum:	\$600

CASING				
String	Prop Size	Act Size	Prop Dep	Act Dep
CONDUCT	14	14	40	35
SURFACE	8.625	8.625	300	303
PRODUCTI	5.5	0	3505	0

ESTIMATE (AFE) COSTS			
	Tangible	Intangible	Totals
Drlg:	\$4000	\$217000	\$221000
Compl:	\$44000	\$122000	\$166000
Total:	\$48000	\$339000	\$387000

ACTUAL COSTS			
	Tangible	Intangible	Totals
Drlg:	\$4187	\$38346	\$42533
Compl:	\$0	\$0	\$0
Total:	\$4187	\$38346	\$42533
Daily:	\$4187	\$38346	\$42533

MUD MATERIAL	
KCL - 45 , TRKING - 1	

HYDRAULICS					
Liner Size	Stk Lgth	SPM	GPM	PSI:	200
PUMP #	0	0	0	AV (DC):	0
PUMP #	0	0	0	AV (DP):	0

SLOW PUMP RATES		
PUMP #1:	@	0
PUMP #2:	@	0

BHA									
BHA#	LENGTH	DEPTH IN	HOURS	TYPE	STRING WT	DRAG UP	DRAG DOWN	TORQUE	
1	450	303	26	S	82	84	81	1800	

DESCRIPTION: BIT, 15 - 6" DRILL COLLARS

BITS																						
RUN	BIT#	MAKE	SIZE	TYPE	FROM	TO	FEET	HRS	ROP	WOB	RPM	N1	N2	N3	I	O	D	L	B	G	O	R
1	1	ATJ-33	7.875	537	303	3160	2857	26	110	34	70	18	18	18	0	0						



**REMARKS**

Cost: 8 5/8" Casing \$ 2,386 - Casing Head \$ 1,801 - Trking \$ 242 - Location \$ 8650 - Conductor pipe \$ 5,020 - Pit Liner \$ 2,152 - Surface Hole \$ 8,115 - Elenburg \$ 6,677 - Salaries (TX) \$ 500 - ( Callaway ) \$ 640 - Rental \$ 5 - KCL & Trking \$ 600 - 8 5/8" Shoe & Centralizers \$ 250 - Cement 8 5/8" Casing \$ 2,398 - Water \$ 284 - Gardiner ( Install Casing Head ) \$ 563 - Double Jack ( Test BOPE ) \$ 1,250 - Contingency \$ 1,000 ....

**CEMENT REPORT**

String:	SURFACE		Start Date:	7/9/00	
Stage:	1		Start Time:	12/30/99	
	"Lead"	"Tail"		"Lead"	"Tail"
Cement Type:	G		Slurry Volume (ft³):	0	261
Cement Top (ft):	0	0	Thickening Time (h.min)	0	1.5
Slurry Weight (ppg):	0	15.5	Free Water (cc/30m):	0	0
Mix Water (gal/sx):	0	4.97	Fluid Loss (cc/30m):	0	0
Water Type:	CITY		Comp Str (psi):	0	0
Yield (ft³/sx):	0	1.16	Comp Str (h.min):	0	0
Sacks:	0	225			
Lead Additives:			Tail Additives:	G + 1/4 #/SK D29 + 2% S001	
Comment:	CEMENTED ON JULY 3 , 2000				

**CASING REPORT**

Casing String: CONDUCTOR		Run Date: 7/9/00	Shoe Depth: 35	Float Collar Depth 0	DV Tool Depths: 0	0			
Section	Prop. Size	Actual Size	Grade	Weight	Connection	Joints	Length	Prop. Depth	Actual Depth
1	14	14	H-40	0	WELD	1	40	40	35

**CASING REPORT**

Casing String: SURFACE		Run Date: 7/9/00	Shoe Depth: 303	Float Collar Depth 0	DV Tool Depths: 0	0			
Section	Prop. Size	Actual Size	Grade	Weight	Connection	Joints	Length	Prop. Depth	Actual Depth
1	8.625	8.625	K-55	24	STC	7	304	300	303

ENTITY ACTION FORM - DOGM FORM 6

OPERATOR TEXACO EXPLORATION & PROD. INC. OPERATOR CODE N 5700  
 ADDRESS 3300 N. BUTLER PHONE NO. 505, 325 4347  
FARMINGTON, N.M.  
87401

OPERATORS MUST COMPLETE FORM UPON SPUDDING NEW WELL OR WHEN CHANGE IN OPERATIONS OR INTERESTS NECESSITATES CHANGE IN EXISTING ENTITY NUMBER ASSIGNMENT.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12817	43-015-30456	FEDERAL 'T' 27-87	SE/SE	27	18S	7E	EMERY	7/1/00	7-27-00

COMMENTS: *000727 entity added*

**CONFIDENTIAL**

A	99999	12818	43-015-30457	FEDERAL 'T' 22-69	NE/NE	22	18S	7E	EMERY	6/30/00	7-27-00
---	-------	-------	--------------	-------------------	-------	----	-----	----	-------	---------	---------

COMMENTS: *000727 entity added.*

**CONFIDENTIAL**

A	99999	12819	43-015-30446	FEDERAL 'A' 35-89	NW/SW	35	18S	7E	EMERY	7/2/00	7-27-00
---	-------	-------	--------------	-------------------	-------	----	-----	----	-------	--------	---------

COMMENTS: *000727 entity added.*

**CONFIDENTIAL**

A	99999	12820	43-015-30781	STATE OF UTAH 'Z' 1-76	NW/NW	1	18S	7E	EMERY	7/17/00	7-27-00
---	-------	-------	--------------	------------------------	-------	---	-----	----	-------	---------	---------

COMMENTS: *000727 entity added.*

**CONFIDENTIAL**

A											
---	--	--	--	--	--	--	--	--	--	--	--

COMMENTS:

**RECEIVED**

JUL 26 2000

DIVISION OF  
OIL, GAS AND MINING

*R. David Coyle*  
 SIGNATURE  
*Safety Coordinator 712-00*  
 TITLE: \_\_\_\_\_  
 DATE

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)  
 (SEE INSTRUCTIONS ON BACK OF FORM)



Texaco Exploration  
and Production Inc.  
Denver Region

3300 North Butler  
Farmington, NM 87401  
505 325-4397

July 21, 2000

**CONFIDENTIAL**

Ms. Lisha Cordova  
State of Utah Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

**Re: State Form 9  
Utah Federal "T" 22-69  
Utah Federal "T" 27-87  
Utah Federal "A" 35-89  
Texaco SWD #3**

Dear Lisha:

Please find State of Utah Division of Oil and Gas and Mining Sundry Notices and Reports on Wells Form 9 for the above referenced wells for the drilling portion of the wells. The completed Form 9 will be submitted as soon as the completion phase of the drilling wells is complete.

Thank you for your time and consideration. Please feel free to contact Ian Kephart or myself at the above number if you have any questions.

Sincerely,

Richard N. Carr  
Texaco Exploration and Production Inc.  
Farmington Operating Unit

cc: BLM, Moab  
Farmington well file

RNC/mc

**RECEIVED**

AUG 01 2000

DIVISION OF  
OIL, GAS AND MINING



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

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>UTU-68538</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: <b>N/A</b>
		7. UNIT or CA AGREEMENT NAME: <b>N/A</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>Utah Federal 'T' 22-69</b>	
2. NAME OF OPERATOR: <b>Texaco Exploration &amp; Production Inc.</b>		9. API NUMBER: <b>4301530451</b>
3. ADDRESS OF OPERATOR: <b>3300 N. Butler</b> CITY <b>Farmington</b> STATE <b>NM</b> ZIP <b>87401</b>	PHONE NUMBER: <b>(505) 325-4397</b>	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>870' FNL, 539' FEL</b>		COUNTY: <b>EMERY</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENE 22 18S 7E</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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 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.

9-19-2000 - MIRU Schlmbgr- perforate 3164'-3181' and 3136'-3142', 6 SPF, 60\* phasing, w/power jets. RU Dowell, pump 300 gal 7.5% HCL, frac w/55,054 gal YF125 GEL, w/107,800lb 16/30 sand, flush w/3178 gas WF120. Perforate 3092'-3098' and 3066'-3080' 6 SPF, 60\* phasing, w/power jets, pump 300 gal 7.5% HCL, frac w/44,480 gal YF125 GEL, w/66,550 lb 16/30 sand, no flush-screen out

9-20/21/22 -2000 - clean out

9-23-2000 - MIRU Schlmbgr - set RBP at 3045', perforate 3024'-3032', 6 SPF, 60\* phasing, w/ power jets. RU Dowell, pump 300 gal 7.5% HCL, frac w/49,467 gal YF125GEL, w/122,730 lb 16/30sand, flush w/2620 gal WF120.

9-24/25-2000 - SI

9-26/27/28-2000 - clean out

9-29-2000 - hang well on. set TA at 2991 w/ 10,000# tension, NU wellhead, TIH w/2" pump, space well out, fill tbg,

NAME (PLEASE PRINT) <u>Roger D. Johnson</u>	TITLE <u>EA</u>
SIGNATURE <u><i>Roger D. Johnson</i></u>	DATE <u>10-26-00</u>

(This space for State use only)



CONFIDENTIAL

Texaco Exploration  
and Production Inc.  
Denver Region

3300 North Butler  
Farmington, NM 87401  
505 325-4397

October 26, 2000

Ms. Lisah Cordova  
State of Utah Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

**Re: State Form 8 – Well Completion Report**

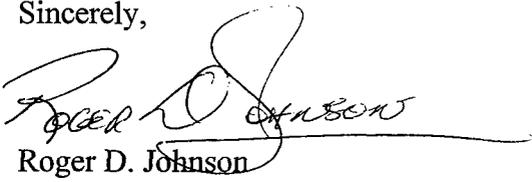
Utah Federal 'P' 3-74 - Section 3, T18S, R7E, Emery County, Utah  
Utah Federal 'P' 11-72 – Section 11, T18S, R7E, Emery County, Utah  
Utah Federal 'T' 22-69- Section 22, T18S, R7E, Emery County, Utah

Dear Lisha:

Please find State of Utah Division of Oil and Gas and Mining Well Completion Reports on Wells Form 8 for the above referenced wells.

Thank you for your time and consideration. Please feel free to contact Ian Kephart – 505-325-4397 ext: 11 or myself at the above number if you have any questions.

Sincerely,



Roger D. Johnson  
Texaco Exploration and Production Inc.  
Farmington Operating Unit

RECEIVED

OCT 27 2000

DIVISION OF  
OIL, GAS AND MINING



CONFIDENTIAL

Texaco Exploration  
and Production Inc.  
Denver Region

3300 North Butler  
Farmington, NM 87401  
505 325-4397

October 26, 2000

Ms. Lisah Cordova  
State of Utah Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

**Re: State Form 9 – Sundry Notices & Reports on Wells**  
Utah Federal ‘P’ 3-74 - Section 3, T18S, R7E, Emery County, Utah  
Utah Federal ‘P’ 11-72 – Section 11, T18S, R7E, Emery County, Utah  
Utah Federal ‘T’ 22-69- Section 22, T18S, R7E, Emery County, Utah

Dear Lisha:

Please find State of Utah Division of Oil and Gas and Mining Sundry Notices & Reports on Wells, Form 9 for the above referenced wells.

Thank you for your time and consideration. Please feel free to contact Ian Kephart – 505-325-4397 ext: 11 or myself at the above number if you have any questions.

Sincerely,

Roger D. Johnson  
Texaco Exploration and Production Inc.  
Farmington Operating Unit

EXPLORATION  
DIVISION  
OCT 27 1999  
DIVISION OF  
OIL, GAS AND MINING

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

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:  
UTU-68538

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER   
b. TYPE OF WORK: NEW  HORIZ.  DEEP.  RE-  DIFF.

CONFIDENTIAL  
PERIOD  
EXPIRED  
ON 10-29-01

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A

7. UNIT OR CA AGREEMENT NAME  
N/A

8. WELL NAME and NUMBER: Federal T 22-69  
Utah Federal T 22-69

9. API NUMBER:  
4301530451

2. NAME OF OPERATOR:  
Texaco Exploration & Production, Inc.

3. ADDRESS OF OPERATOR:  
3300 N. Butler CITY Farmington STATE NM ZIP 87401

PHONE NUMBER:  
(505) 325-4397

10. FIELD AND POOL, OR WILDCAT

4. LOCATION OF WELL (FOOTAGES)

870 ENL, 539 FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

NENE 22 18S 7E

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH: 3380

12. COUNTY  
EMERY

13. STATE  
UTAH

14. DATE SPUDDED:  
6/30/2000

15. DATE T.D. REACHED:

16. DATE COMPLETED:  
9/29/2000

ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
6346 GL

18. TOTAL DEPTH: MD 3,380  
TVD

19. PLUG BACK T.D.: MD 3,325  
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)

7-28-01 CBL, CNL, GR, DENSITY, ARRAY INDUCTION 9-13-00

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
12-1/4	6-5/8 K-55	24#	0	303		G 225		SURFACE	IRCULATE
7-7/8	5-1/2 N-80	17#	0	3,380		RCF 175		SURFACE	IRCULATE

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	3,216							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
3,024 - 3,032	.40"	6 SPF	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
3,066 - 3,080	.40"	6 SPF	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
3,092 - 3,098	.40"	6 SPF	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
3,136 - 3,142	.40"	6 SPF	Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
3,164 - 3,181	.40"	6 SPF	

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
3024' - 3032'	stage3- 300 gal 7.5% HCL, frac w/49,467 gal YF125GEL, w/122,730 lb 16/30 sand, flush w/2620 gal WF120
3066'-3080' / 3092' -3098'	stage2- 300 gal 7.5% HCL, frac w/44,480 gal YF125GEL, w/66,550 lb 16/30 sand, no flush-screenout
3136'-3142' / 3164'-3181'	stage1- 300 gal 7.5% HCL, frac w/55,054 gal YF125GEL, w/107,800 lb 16/30 sand, flush w/3178 gal W

29. ENCLOSED ATTACHMENTS:

- ELECTRICAL/MECHANICAL LOGS
- SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION
- GEOLOGIC REPORT
- CORE ANALYSIS
- DST REPORT
- OTHER: \_\_\_\_\_
- DIRECTIONAL SURVEY

30. WELL STATUS:

CONFIDENTIAL  
STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**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.)**

**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) ROGER D. JOHNSON TITLE EA  
 SIGNATURE *Roger D. Johnson* DATE 10-26-00

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



TEXACO

# FAX TRANSMITTAL COVER SHEET

NOTE: DO NOT USE BLUE OR RED INK OR PENCIL ON THIS FORM. THEY WILL NOT REPRODUCE

DATE: 11-02-00  URGENT  ROUTINE NO. OF PAGES C+4

MESSAGE TO: Ms. CAROL DANIELS

TELEPHONE NO. \_\_\_\_\_ FAX MACHINE NO. 801-359-3940

DEPT./DIV./SUBS. \_\_\_\_\_

LOCATION \_\_\_\_\_ ROOM NO. \_\_\_\_\_

MESSAGE FROM: ROGER JOHNSON

TELEPHONE NO. 505-325-<sup>4397</sup>7497-25 FAX MACHINE NO. \_\_\_\_\_

DEPT./DIV./SUBS. \_\_\_\_\_

LOCATION \_\_\_\_\_ ROOM NO. \_\_\_\_\_

SENDING DEPT. APPROVAL \_\_\_\_\_ TIME TRANSMITTED \_\_\_\_\_

RETURN ORIGINAL VIA INTER-OFFICE MAIL  RETURN ORIGINAL CALL SENDER TO PICK UP

ADDITIONAL COMMENTS:

Carol - Please review the two reports per our conversation earlier. Let me know if correct. (e-mail - johnsrd@TEXACO.com)

Thanks

**CONFIDENTIAL**

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

AMENDED REPORT  FORM 8  
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**UTU-68538**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
N/A

7. UNIT or CA AGREEMENT NAME:  
N/A

8. WELL NAME and NUMBER:  
*Actual T 72-69*  
Utah Federal T-22-69

9. API NUMBER:  
4301530451

10. FIELD AND POOL, OR WILDCAT

11. DTR/DTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
NENE 22 16S 7E

12. COUNTY: **EMERY** 13. STATE: **UTAH**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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

b. TYPE OF WORK: NEW  HORIZ  DEEP  RE  DIFF.

2. NAME OF OPERATOR:  
**Texaco Exploration & Production, Inc.**

3. ADDRESS OF OPERATOR:  
**3300 N. Butler** CITY **Farmington** STATE **NM** ZIP **87401** PHONE NUMBER: **(505) 325-4397**

4. LOCATION OF WELL (FOOTAGES):  
**870' FNL 539' FEL** **CONFIDENTIAL PERIOD EXPIRED ON 10-29-01**

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH: **3380**

14. DATE SPUDDED: **6/30/2000** 15. DATE T.D. REACHED: 16. DATE COMPLETED: **9/29/2000** ABANDONED  READY TO PRODUCE

17. ELEVATIONS (OF, RKB, RT, GL): **6346 GL**

18. TOTAL DEPTH: MD **3380** 19. PLUG BACK T.D.: MD **3325** 20. IF MULTIPLE COMPLETIONS, HOW MANY? 21. DEPTH BRIDGE MD TVD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**CBL, CNL, GR, DENSITY, ARRAY INDUCTION**

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 (W/L)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (DBL)	CEMENT TOP **	AMOUNT PULLED
12-1/4	8-5/8 K-55	24#	0	303		G 225		SURFACE	IRCULATE
7-7/8	5-1/2 N-80	17#	0	3,380		RCF 175		SURFACE	IRCULATE

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8		3,216						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Ferron	3,024	3,032			3,024 - 3,032	.40"	48	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Ferron	3,066	3,080			3,066 - 3,080	.40"	84	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C) Ferron	3,092	3,098			3,092 - 3,098	.40"	36	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D) Ferron	3,136	3,142			3,136 - 3,142	.40"	36	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
3024' - 3032'	stage3- 300 gal 7.5% HCL, frac w/49,467 gal YF125GEL, w/122,730 lb 16/30 sand, flush w/2620 gal WF120
3066'-3080' / 3092' -3098'	stage2- 300 gal 7.5% HCL, frac w/44,450 gal YF125GEL, w/66,530 lb 16/30 sand, no flush-screenout
3136'-3142' / 3164'-3181'	stage1- 300 gal 7.5% HCL, frac w55,054 gal YF125GEL, w/107,800 lb 16/30 sand, flush w/3178 gal W

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:  
**producing**

CONFIDENTIAL

'7' 22-69

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 11/11/2000		TEST DATE: 10/14/2000		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 57	WATER - BBL: 120	PROD. METHOD: pump
CHOKE SIZE: N2	TBG. PRESS. 60	CSG. PRESS. 60	API GRAVITY ---	BTU - GAS ---	GAS/OIL RATIO ---	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 57	WATER - BBL: 120	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.)

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)
Ferron Coal	3,075	3,205		Manco Shale Bluegate Shale Ferron TD	0 100 3,075 3,505

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) ROGER JOHNSON TITLE EA  
SIGNATURE [Signature] DATE \_\_\_\_\_

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 146801  
Salt Lake City, Utah 84114-5801

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



TEXACO

# FAX TRANSMITTAL COVER SHEET

NOTE: DO NOT USE BLUE OR RED INK OR PENCIL ON THIS FORM. THEY WILL NOT REPRODUCE

DATE: 11-~~08~~<sup>13</sup>  URGENT  ROUTINE NO. OF PAGES C+2

MESSAGE TO: Ms. CARROL DANIELS

TELEPHONE NO. \_\_\_\_\_ FAX MACHINE NO. 801-359-3940

DEPT./DIV./SUBS. \_\_\_\_\_

LOCATION \_\_\_\_\_ ROOM NO. \_\_\_\_\_

MESSAGE FROM: Roger Johnson

TELEPHONE NO. 505-325-4397-25 FAX MACHINE NO. \_\_\_\_\_

DEPT./DIV./SUBS. \_\_\_\_\_

LOCATION \_\_\_\_\_ ROOM NO. \_\_\_\_\_

SENDING DEPT. APPROVAL \_\_\_\_\_ TIME TRANSMITTED \_\_\_\_\_

RETURN ORIGINAL VIA INTER-OFFICE MAIL  RETURN ORIGINAL CALL SENDER TO PICK UP

ADDITIONAL COMMENTS:  
Carrol, here is one more. Thanks!!

**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.

<b>1. TYPE OF WELL</b> OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Operator Name Change</u>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> See Attached List of Wells
<b>2. NAME OF OPERATOR:</b> Chevron U.S.A. Inc.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> BLM & State of Utah
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 36366 CITY <u>Houston</u> STATE <u>TX</u> ZIP <u>77236</u>		<b>7. UNIT or CA AGREEMENT NAME:</b> Orangeville & Huntington
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: See Attached List of Wells		<b>8. WELL NAME and NUMBER:</b> See Attached List of Wells
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		<b>9. API NUMBER:</b>
COUNTY: <u>Emery</u>		<b>10. FIELD AND POOL, OR WILDCAT:</b>
STATE: <u>UTAH</u>		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (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 checked="" 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 checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only)  Date of work completion: _____	<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: <u>Operator Name Change (Merger)</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.

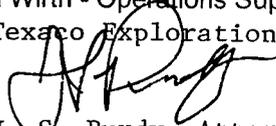
Effective May 1, 2002, Chevron U.S.A. Inc. is the new operator of the attached list of subject wells and leases that were previously operated by Texaco Exploration and Production Inc. The subject wells are located North of Orangeville and North of Huntington, Emery County, Utah. These Wells will be protected by the following surety bonds:

STATE OF UTAH Bond #: 103521627-0010 in the amount of \$80,000. (This bond will replace United Pacific Insurance Company bond number U89-75-80-0059. We respectfully request this bond be released and returned.)

BLM Nationwide Bond#: U89-75-81-0034 in the amount of \$300,000.

Key Contacts:

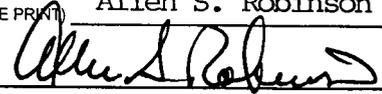
Ron Wirth - Operations Supervisor - 435 748-5395 x1  
Texaco Exploration & Production Inc.

  
J. S. Purdy, Attorney-In-Fact

**RECEIVED**

MAY 06 2002

DIVISION OF  
OIL, GAS AND MINING

NAME (PLEASE PRINT) <u>Allen S. Robinson</u>	TITLE <u>Attorney-In-Fact</u>
SIGNATURE 	DATE <u>April 30, 2002</u>

(This space for State use only)

Chevron U.S.A. Inc.  
 Midcontinent Business Unit  
 Ferron Operations  
 Emery County, Utah

Name / Operatorship Change  
 Texaco Exploration and Production Inc.  
 to  
 Chevron U.S.A. Inc.

Account Number	Section	Township	Range	API Number	Well Name	Lease Type	Well Status Main	Well Type Main	Fed or State
N5700	06	170S	080E	4301530292	UTAH FEDERAL M 6-25	1	S	GW	Federal
N5700	34	170S	070E	4301530282	UTAH FEDERAL D 34-12	1	P	GW	Federal
N5700	34	170S	070E	4301530389	USA 34-80	1	P	GW	Federal
N5700	34	170S	070E	4301530390	USA 34-82	1	P	GW	Federal
N5700	35	170S	070E	4301530285	UTAH FEDERAL D 35-13	1	P	GW	Federal
N5700	35	170S	070E	4301530286	UTAH FEDERAL D 35-14	1	P	GW	Federal
N5700	35	170S	070E	4301530287	UTAH FEDERAL D 35-15	1	P	GW	Federal
N5700	03	180S	070E	4301530383	USA 3-74	1	P	GW	Federal
N5700	03	180S	070E	4301530384	USA 3-75	1	P	GW	Federal
N5700	03	180S	070E	4301530448	FEDERAL P 3-92	1	DRL	GW	Federal
N5700	03	180S	070E	4301530449	FEDERAL P 3-93	1	DRL	GW	Federal
N5700	04	180S	070E	4301530280	UTAH FEDERAL Q 4-44	1	P	GW	Federal
N5700	08	180S	070E	4301530274	UTAH FEDERAL S 8-46	1	P	GW	Federal
N5700	10	180S	070E	4301530258	UTAH FEDERAL P 10-47	1	P	GW	Federal
N5700	10	180S	070E	4301530276	UTAH FEDERAL P 10-42	1	P	GW	Federal
N5700	10	180S	070E	4301530277	UTAH FEDERAL P 10-43	1	P	GW	Federal
N5700	11	180S	070E	4301530385	USA 11-70	1	APD	GW	Federal
N5700	11	180S	070E	4301530386	USA 11-71	1	APD	GW	Federal
N5700	11	180S	070E	4301530387	USA 11-72	1	P	GW	Federal
N5700	11	180S	070E	4301530388	USA 11-73	1	APD	GW	Federal
N5700	21	180S	070E	4301530450	FEDERAL T 21-94	1	APD	GW	Federal
N5700	22	180S	070E	4301530451	FEDERAL T 22-69	1	P	GW	Federal
N5700	22	180S	070E	4301530452	FEDERAL T 22-83	1	APD	GW	Federal
N5700	22	180S	070E	4301530453	FEDERAL T 22-91	1	APD	GW	Federal
N5700	23	180S	070E	4301530245	FEDERAL C23-8	1	P	GW	Federal
N5700	23	180S	070E	4301530447	FEDERAL C 23-84	1	APD	GW	Federal
N5700	26	180S	070E	4301530244	FEDERAL A26-2	1	P	GW	Federal
N5700	26	180S	070E	4301530246	FEDERAL A26-4	1	P	GW	Federal
N5700	26	180S	070E	4301530445	FEDERAL A 26-88	1	APD	GW	Federal
N5700	27	180S	070E	4301530440	FEDERAL T 27-85	1	APD	GW	Federal
N5700	27	180S	070E	4301530455	FEDERAL T 27-86	1	APD	GW	Federal
N5700	27	180S	070E	4301530456	FEDERAL T 27-87	1	P	GW	Federal

6/6/03 need to move these

Chevron U.S.A. Inc.  
Midcontinent Business Unit  
Ferron Operations  
Emery County, Utah

Name / Operatorship Change  
Texaco Exploration and Production Inc.  
to  
Chevron U.S.A. Inc.

Account Number	Section	Township	Range	API Number	Well Name	Lease Type	Well Status Main	Well Type Main	Fed or State
N5700	27	180S	070E	4301530457	FEDERAL T 27-90	1	APD	GW	Federal
N5700	34	180S	070E	4301530249	FEDERAL A34-7	1	P	GW	Federal
N5700	35	180S	070E	4301530247	FEDERAL A35-6	1	P	GW	Federal
N5700	35	180S	070E	4301530248	FEDERAL A35-5	1	P	GW	Federal
N5700	35	180S	070E	4301530446	FEDERAL A 35-89	1	DRL	GW	Federal
N5700	21	190S	070E	4301530243	FEDERAL B21-3	1	S	GW	Federal
N5700	06	200S	070E	4301530294	UTAH FEDERAL H 6-21	1	TA	GW	Federal

6/6/03  
move these  
Er

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

**X Operator Name Change**

Merger

The operator of the well(s) listed below has changed, effective:

**05/01/2002**

<b>FROM:</b> (Old Operator): TEXACO EXPLORATION & PRODUCTION, INC 11111 S. WILCREST Phone: (281) 561-4991 Account No. <b>N5700</b>	<b>TO:</b> ( New Operator): CHEVRON U.S.A., INC. 11111 S. WILCREST HOUSTON, TX 77099 Phone: (281) 561-4991 Account No. <b>N0210</b>
---	--

**CA No.**

**Unit:**

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
UP&L FED 01-101	01	170S	070E	4301530511	13546	Federal	GW	P
UT FED KK 01-140	01	170S	070E	4301530507	13553	Federal	GW	P
UT FED KK 01-141	01	170S	070E	4301530559	13587	Federal	GW	P
USA 34-80	34	170S	070E	4301530389	12765	Federal	GW	P
USA 34-82	34	170S	070E	4301530390	12821	Federal	GW	P
UTAH FED D 34-12	34	170S	070E	4301530282	12074	Federal	GW	P
UTAH FED D 35-13	35	170S	070E	4301530285	12075	Federal	GW	P
UTAH FED D 35-14	35	170S	070E	4301530286	12076	Federal	GW	P
UTAH FED D 35-15	35	170S	070E	4301530287	12077	Federal	GW	P
FEDERAL P 3-92	03	180S	070E	4301530448	13209	Federal	GW	P
FEDERAL P 3-93	03	180S	070E	4301530449	13210	Federal	GW	P
USA 3-74	03	180S	070E	4301530383	12823	Federal	GW	P
USA 3-75	03	180S	070E	4301530384	12822	Federal	GW	P
UTAH FED Q 4-44	04	180S	070E	4301530280	12237	Federal	GW	S
UTAH FED S 8-46	08	180S	070E	4301530274	12239	Federal	GW	P
UTAH FED R 9-45	09	180S	070E	4301530275	12236	Federal	GW	P
UTAH FED P 10-42	10	180S	070E	4301530276	12195	Federal	GW	P
UTAH FED P 10-43	10	180S	070E	4301530277	12198	Federal	GW	P
UTAH FED P 10-47	10	180S	070E	4301530258	11843	Federal	GW	P
USA 11-72	11	180S	070E	4301530387	12824	Federal	GW	P
FEDERAL T 22-69	22	180S	070E	4301530451	12818	Federal	GW	P
FEDERAL C23-8	23	180S	070E	4301530245	11979	Federal	GW	P
FEDERAL A26-2	26	180S	070E	4301530244	11706	Federal	GW	P
FEDERAL A26-4	26	180S	070E	4301530246	11980	Federal	GW	P
FEDERAL T 27-87	27	180S	070E	4301530456	12817	Federal	GW	P
FEDERAL A34-7	34	180S	070E	4301530249	11982	Federal	GW	P
FEDERAL A 35-89	35	180S	070E	4301530446	12819	Federal	GW	P
FEDERAL A35-5	35	180S	070E	4301530248	11983	Federal	GW	P
FEDERAL A35-6	35	180S	070E	4301530247	11981	Federal	GW	P
FEDERAL B21-3	21	190S	070E	4301530243	11713	Federal	GW	TA
UTAH FED H 6-21	06	200S	070E	4301530294	12347	Federal	GW	TA
UTAH FED M 6-25	06	170S	080E	4301530292	12345	Federal	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 05/06/2002

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 05/06/2002

3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 07/15/2003

4. Is the new operator registered in the State of Utah: YES Business Number: 564408-0143

5. If **NO**, the operator was contacted on: \_\_\_\_\_

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: not given

8. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Contro** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 07/15/2003

2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/15/2003

3. Bond information entered in RBDMS on: n/a

4. Fee wells attached to bond in RBDMS on: n/a

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: n/a

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: ES0022 \*United Pacific (NR-5 rating)

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a

2. The **FORMER** operator has requested a release of liability from their bond on: n/a  
The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

**COMMENTS:**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



*Talon Resources, Inc.*

Service, Quality and Accuracy

P.O. Box 1230  
195 North 100 West  
Huntington, Utah 84528  
Phone: 435-687-5310

Cell: 435-650-1886  
Fax: 435-687-5311  
Email: talon@etv.net

January 8, 2003

Mr. Eric Jones  
Petroleum Engineer  
Bureau of Land Management  
82 East Dogwood  
Moab, Utah 84532

**RE: Request for approval to utilize Electronic Flow Meters (EFM's);  
Sundry Notices for Calibration Reschedule—Texaco E & P, Inc.**

Dear Mr. Jones:

On behalf of Texaco Exploration and Production, Inc. (Texaco), Talon Resources, Inc. respectfully submits this request to utilize Electronic Flow Meters (EFM's) within the Texaco Buzzard Bench and Huntington Canyon Fields comprising all of their operations in Emery County, Utah. Additionally, we have enclosed one original and two copies of the *Sundry Notices and Reports on Wells* for 21 federal wells that we are requesting a calibration reschedule from quarterly to semi-annually.

Thank you very much for your timely consideration of this request and enclosed sundries. Please feel free to contact myself, or Mr. Kern Behling of Texaco at 435-748-5395 if you have any questions or need additional information.

Sincerely,

*Don Hamilton*

Don Hamilton  
Agent for Texaco

cc: Mr. Don Stephens, BLM—Price Field Office  
Mrs. Carol Daniels, Division of Oil, Gas and Mining  
Mr. Kern Behling, Texaco  
Mr. Ian Kephart, Texaco  
Texaco Well Files

RECEIVED

JAN 10 2003

DIV. OF OIL, GAS & MINING

FILE COPY

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT-" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well

Oil  Gas

2. Name of Operator

Texaco Exploration and Production, Inc.

3. Address and Telephone No.

P.O. Box 618, Orangeville, Utah 84537 435-748-5395

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

870' FNL, 539' FEL  
NE/4 NE/4, Section 22, T18S, R7E, SLB&M

5. Lease Designation and Serial No.

UTU-68538

6. If Indian, Allottee or Tribe Name

N/A

7. If Unit or CA, Agreement Designation

N/A

8. Well Name and No.

Federal T 22-69

9. API Well No.

43-015-30451

10. Field and Pool, or Exploratory Area

Buzzard Bench

11. County or Parish, State

Emery County, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Change of Name	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Calibration Reschedule	<input type="checkbox"/> Dispose Water

13. Describe Proposed or Completed Operations ( Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

**Texaco E&P, Inc. requests that the calibration schedule of the Electronic Flow Meter (EFM) for the referenced well that makes less than 100 mcf per day be changed from quarterly to semi-annually.**

**The EFM is located at the well site and all associated measurement and calibration of the EFM will occur at the well site.**

Accepted by the  
Utah Division of  
Oil, Gas and Mining

Date: 1/17/2003  
By: [Signature]

Federal Approval Of This  
Action Is Necessary

COPY SENT TO OPERATOR  
Date: 1-21-03  
Initials: CHD

RECEIVED

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DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Signed Don Hamilton Don Hamilton Title Agent for Texaco E&P, Inc. Date January 8, 2003

(This space for Federal or State office use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any:

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: Various Leases
2. NAME OF OPERATOR: XTO ENERGY INC. <i>N2615</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 2700 Farmington Bldg K, Sur CITY Farmington STATE NM ZIP 87401		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE:  QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		8. WELL NAME and NUMBER: See attached list
		9. API NUMBER: Multiple
		10. FIELD AND POOL, OR WILDCAT: Buzzard Bench
		COUNTY: Emery
		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 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 checked="" 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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.

Effective August 1, 2004, the operator changed from Chevron U.S.A. Inc. to XTO ENERGY INC. for all wells on the attached list.

BLM #579173

State and Fee Bond #104312762

*Kenneth W. Jackson*

Kenneth W. Jackson Regulatory Specialist ChevronTexaco for Chevron U.S.A. Inc. *N0210*

NAME (PLEASE PRINT) <i>James L. Death</i>	TITLE <i>Vice President Land</i>
SIGNATURE <i>James L. Death</i>	DATE <i>8/16/04</i>

(This space for State use only)

**APPROVED** *9/30/2004*

*Earlene Russell*

Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

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DIV. OF OIL, GAS & MINING

API Well Number	Well Name	Well Type	County Name	Qtr/Qtr	Section	Trn-Rng
43-015-30242-00-00	L M LEMMON 10-1	Gas Well	EMERY	SESE	10	17S-8E
43-015-30243-00-00	FEDERAL B21-3	Gas Well	EMERY	NESW	21	19S-7E
43-015-30244-00-00	FEDERAL A26-2	Gas Well	EMERY	SESW	26	18S-7E
43-015-30245-00-00	FEDERAL C23-8	Gas Well	EMERY	NENW	23	18S-7E
43-015-30246-00-00	FEDERAL A26-4	Gas Well	EMERY	SWSE	26	18S-7E
43-015-30247-00-00	FEDERAL A35-6	Gas Well	EMERY	NWNW	35	18S-7E
43-015-30248-00-00	FEDERAL A35-5	Gas Well	EMERY	NWNE	35	18S-7E
43-015-30249-00-00	FEDERAL A34-7	Gas Well	EMERY	NENE	34	18S-7E
43-015-30258-00-00	UTAH FED P 10-47	Gas Well	EMERY	NWNW	10	18S-7E
43-015-30259-00-00	A L JENSEN 27-9	Gas Well	EMERY	SESE	27	21S-6E
43-015-30268-00-00	ST OF UT T 36-10	Gas Well	EMERY	SWNE	36	16S-7E
43-015-30270-00-00	ST OF UT U 2-11	Gas Well	EMERY	NWNW	2	18S-7E
43-015-30272-00-00	SWD 1	Water Disposal Well	EMERY	SWNW	24	18S-7E
43-015-30274-00-00	UTAH FED S 8-46	Gas Well	EMERY	SESW	8	18S-7E
43-015-30275-00-00	UTAH FED R 9-45	Gas Well	EMERY	NWNE	9	18S-7E
43-015-30276-00-00	UTAH FED P 10-42	Gas Well	EMERY	NWNE	10	18S-7E
43-015-30277-00-00	UTAH FED P 10-43	Gas Well	EMERY	NWSE	10	18S-7E
43-015-30280-00-00	UTAH FED Q 4-44	Gas Well	EMERY	SESE	4	18S-7E
43-015-30282-00-00	UTAH FED D 34-12	Gas Well	EMERY	SESE	34	17S-7E
43-015-30285-00-00	UTAH FED D 35-13	Gas Well	EMERY	SWSW	35	17S-7E
43-015-30286-00-00	UTAH FED D 35-14	Gas Well	EMERY	NWNW	35	17S-7E
43-015-30287-00-00	UTAH FED D 35-15	Gas Well	EMERY	SWSE	35	17S-7E
43-015-30292-00-00	UTAH FED M 6-25	Gas Well	EMERY	SENE	6	17S-8E
43-015-30294-00-00	UTAH FED H 6-21	Gas Well	EMERY	SESW	6	20S-7E
43-015-30303-00-00	SWD 3	Water Disposal Well	EMERY	SENE	11	18S-7E
43-015-30306-00-00	ST OF UT U 2-48	Gas Well	EMERY	NWNE	2	18S-7E
43-015-30308-00-00	ST OF UT U 2-50	Gas Well	EMERY	NESW	2	18S-7E
43-015-30309-00-00	ST OF UT U 2-49	Gas Well	EMERY	NWSE	2	18S-7E
43-015-30310-00-00	L & M CURTIS 10-58	Gas Well	EMERY	SWSW	10	18S-7E
43-015-30311-00-00	ST OF UT X 16-66	Gas Well	EMERY	SENE	16	18S-7E
43-015-30312-00-00	ST OF UT X 16-65	Gas Well	EMERY	NWNE	16	18S-7E
43-015-30313-00-00	U P & L 14-53	Gas Well	EMERY	SESE	14	18S-7E
43-015-30314-00-00	U P & L 14-55	Gas Well	EMERY	NWNW	14	18S-7E
43-015-30315-00-00	U P & L 23-51	Gas Well	EMERY	SENE	23	18S-7E
43-015-30316-00-00	U P & L 24-57	Gas Well	EMERY	NWNW	24	18S-7E
43-015-30318-00-00	D & A JONES 15-68	Gas Well	EMERY	NENW	15	18S-7E
43-015-30319-00-00	D&D CURTIS 14-54	Gas Well	EMERY	SENE	14	18S-7E
43-015-30320-00-00	P & K PEACOCK 8-62	Gas Well	EMERY	SWNE	8	18S-7E
43-015-30321-00-00	PEACOCK TRUST 9-60	Gas Well	EMERY	NWSW	9	18S-7E
43-015-30323-00-00	SWD 2	Water Disposal Well	EMERY	NWNW	14	18S-7E
43-015-30324-00-00	R G NORRIS 14-40	Gas Well	EMERY	NESW	14	18S-7E
43-015-30325-00-00	L & M CURTIS 15-67	Gas Well	EMERY	NENE	15	18S-7E
43-015-30326-00-00	PEACOCK TRUST 8-61	Gas Well	EMERY	NESE	8	18S-7E
43-015-30327-00-00	PEACOCK 7-64	Gas Well	EMERY	NENE	7	18S-7E
43-015-30328-00-00	PEACOCK TRUST 8-63	Gas Well	EMERY	SENE	8	18S-7E
43-015-30329-00-00	D & A JONES 9-59	Gas Well	EMERY	SESE	9	18S-7E
43-015-30381-00-00	UTAH STATE 1-76	Gas Well	EMERY	NWNW	1	18S-7E
43-015-30382-00-00	UTAH STATE 36-78	Gas Well	EMERY	SWSW	36	17S-7E
43-015-30383-00-00	USA 3-74	Gas Well	EMERY	SESE	3	18S-7E
43-015-30384-00-00	USA 3-75	Gas Well	EMERY	NENE	3	18S-7E
43-015-30385-00-00	USA 11-70	Gas Well	EMERY	SWSE	11	18S-7E
43-015-30386-00-00	USA 11-71	Gas Well	EMERY	SWNE	11	18S-7E
43-015-30387-00-00	USA 11-72	Gas Well	EMERY	NWNW	11	18S-7E
43-015-30388-00-00	USA 11-73	Gas Well	EMERY	NWSW	11	18S-7E
43-015-30389-00-00	USA 34-80	Gas Well	EMERY	SENE	34	17S-7E
43-015-30390-00-00	USA 34-82	Gas Well	EMERY	SESW	34	17S-7E
43-015-30393-00-00	ST OF UT EE 06-138	Gas Well	EMERY	NENW	6	17S-9E
43-015-30396-00-00	ST OF UT AA 07-106	Gas Well	EMERY	NWNE	7	17S-8E
43-015-30437-00-00	ST OF UT BB 09-119	Gas Well	EMERY	SESW	9	17S-8E
43-015-30438-00-00	ST OF UT CC 10-124	Gas Well	EMERY	SENE	10	17S-8E
43-015-30439-00-00	ST OF UT DD 31-98	Gas Well	EMERY	NWSW	31	17S-8E
43-015-30440-00-00	FEDERAL T 27-85	Gas Well	EMERY	SENE	27	18S-7E
43-015-30441-00-00	UP&L 06-102	Gas Well	EMERY	NENW	6	17S-8E
43-015-30442-00-00	UP&L 06-104	Gas Well	EMERY	NESE	6	17S-8E
43-015-30443-00-00	WM S IVIE ET AL 09-118	Gas Well	EMERY	SWNE	9	17S-8E

API Well Number	Well Name	Well Type	County Name	Qtr/Qtr	Section	Twn-Rng
43-015-30444-00-00	ST OF UT BB 09-120	Gas Well	EMERY	NESE	9	17S-8E
43-015-30445-00-00	FEDERAL A 26-88	Gas Well	EMERY	SWNW	26	18S-7E
43-015-30446-00-00	FEDERAL A 35-89	Gas Well	EMERY	NWSW	35	18S-7E
43-015-30447-00-00	FEDERAL C 23-84	Gas Well	EMERY	NESW	23	18S-7E
43-015-30448-00-00	FEDERAL P 3-92	Gas Well	EMERY	SESW	3	18S-7E
43-015-30449-00-00	FEDERAL P 3-93	Gas Well	EMERY	SWNW	3	18S-7E
43-015-30450-00-00	FEDERAL T 21-94	Gas Well	EMERY	NENE	21	18S-7E
43-015-30451-00-00	FEDERAL T 22-69	Gas Well	EMERY	NENE	22	18S-7E
43-015-30452-00-00	FEDERAL T 22-83	Gas Well	EMERY	SWSE	22	18S-7E
43-015-30453-00-00	FEDERAL T 22-91	Gas Well	EMERY	NENW	22	18S-7E
43-015-30454-00-00	ST OF UT CC 10-123	Gas Well	EMERY	NWNW	10	17S-8E
43-015-30455-00-00	FEDERAL T 27-86	Gas Well	EMERY	SENE	27	18S-7E
43-015-30456-00-00	FEDERAL T 27-87	Gas Well	EMERY	SESE	27	18S-7E
43-015-30457-00-00	FEDERAL T 27-90	Gas Well	EMERY	NWSW	27	18S-7E
43-015-30458-00-00	ST OF UT FF 10-125	Gas Well	EMERY	NESW	10	17S-8E
43-015-30459-00-00	ST OF UT FF 11-129	Gas Well	EMERY	NWNW	11	17S-8E
43-015-30462-00-00	ST OF UT FF 11-130	Gas Well	EMERY	NWSW	11	17S-8E
43-015-30478-00-00	GARDNER TRUST ET AL 16-121	Gas Well	EMERY	NENE	16	17S-8E
43-015-30479-00-00	ST OF UT BB 05-107	Gas Well	EMERY	SENW	5	17S-8E
43-015-30480-00-00	ST OF UT BB 05-108	Gas Well	EMERY	NWSW	5	17S-8E
43-015-30481-00-00	ST OF UT BB 05-109	Gas Well	EMERY	SENE	5	17S-8E
43-015-30482-00-00	ST OF UT BB 05-110	Gas Well	EMERY	SWSE	5	17S-8E
43-015-30483-00-00	UP&L 06-103	Gas Well	EMERY	NESW	6	17S-8E
43-015-30484-00-00	AMERICA WEST GROUP ET AL 15-126	Gas Well	EMERY	NENW	15	17S-8E
43-015-30485-00-00	W H LEONARD ET AL 15-127	Gas Well	EMERY	NENE	15	17S-8E
43-015-30486-00-00	ROWLEY 08-111	Gas Well	EMERY	SENW	8	17S-8E
43-015-30490-00-00	SWD 4	Water Disposal Well	EMERY	SENE	15	17S-8E
43-015-30495-00-00	SEELEY 08-112	Gas Well	EMERY	NENE	8	17S-8E
43-015-30496-00-00	ST OF UT BB 08-113	Gas Well	EMERY	NWSE	8	17S-8E
43-015-30497-00-00	ST OF UT AA 07-105	Gas Well	EMERY	SWNW	7	17S-8E
43-015-30498-00-00	ST OF UT 01-97	Gas Well	EMERY	SENE	1	18S-7E
43-015-30499-00-00	ST OF UT GG 03-122	Gas Well	EMERY	SWSW	3	17S-8E
43-015-30500-00-00	ST OF UT HH 03-133	Gas Well	EMERY	SWSE	3	17S-8E
43-015-30501-00-00	SEELEY FARMS 09-117	Gas Well	EMERY	NWNW	9	17S-8E
43-015-30502-00-00	ST OF UT GG 15-128	Gas Well	EMERY	NWSW	15	17S-8E
43-015-30503-00-00	ST OF UT BB 04-116	Gas Well	EMERY	SWSE	4	17S-8E
43-015-30504-00-00	ST OF UT GG 04-115	Gas Well	EMERY	NESW	4	17S-8E
43-015-30505-00-00	BURNSIDE 14-132	Gas Well	EMERY	NWNE	14	17S-8E
43-015-30506-00-00	ST OF UT T 36-100	Gas Well	EMERY	NESE	36	16S-7E
43-015-30507-00-00	UT FED KK 01-140	Gas Well	EMERY	SENW	1	17S-7E
43-015-30508-00-00	ST OF UT II 36-96	Gas Well	EMERY	NWSE	36	17S-7E
43-015-30509-00-00	ST OF UT II 36-95	Gas Well	EMERY	NWNE	36	17S-7E
43-015-30510-00-00	SWD 5	Water Disposal Well	EMERY	SESE	23	17S-8E
43-015-30511-00-00	UP&L FED 01-101	Gas Well	EMERY	SENE	1	17S-7E
43-015-30520-00-00	ST OF UT SS 22-165	Gas Well	EMERY	NENE	22	17S-8E
43-015-30521-00-00	ZIONS FED 35-135R (RIG SKID)	Gas Well	EMERY	NESW	35	16S-7E
43-015-30528-00-00	ST OF UT 14-170	Gas Well	EMERY	SWSE	14	17S-8E
43-015-30529-00-00	CONOVER 14-171	Gas Well	EMERY	NWSW	14	17S-8E
43-015-30530-00-00	ST OF UT 36-139	Gas Well	EMERY	NWSW	36	16S-7E
43-015-30533-00-00	ST OF UT FO 02-186	Gas Well	EMERY	NENW	2	17S-8E
43-015-30549-00-00	ST OF UT JJ 03-160	Gas Well	EMERY	NWNW	3	17S-8E
43-015-30550-00-00	ST OF UT 36-138	Gas Well	EMERY	SWNW	36	16S-7E
43-015-30551-00-00	UT FED P 12-153	Gas Well	EMERY	NWNW	12	18S-7E
43-015-30552-00-00	ST OF UT CC 03-161	Gas Well	EMERY	SENE	3	17S-8E
43-015-30553-00-00	ST OF UT FO 02-188	Gas Well	EMERY	NWSW	2	17S-8E
43-015-30554-00-00	ST OF UT BB 04-158	Gas Well	EMERY	NENW	4	17S-8E
43-015-30555-00-00	ST OF UT BB 04-159	Gas Well	EMERY	SWNE	4	17S-8E
43-015-30556-00-00	MALONE 14-131	Gas Well	EMERY	SWNW	14	17S-8E
43-015-30559-00-00	UT FED KK 01-141	Gas Well	EMERY	SESE	1	17S-7E
43-015-30560-00-00	ST OF UT FO 02-189	Gas Well	EMERY	SWNE	2	17S-8E
43-015-30561-00-00	ST OF UT GG 15-184	Gas Well	EMERY	NWSE	15	17S-8E
43-015-30562-00-00	STATE OF UTAH "LL" 31-20	Gas Well	EMERY	NWNW	31	17S-8E
43-015-30566-00-00	ST OF UT "KK" 32-145	Gas Well	EMERY	NESE	32	16S-8E
43-015-30567-00-00	ST OF UT "KK" 32-144	Gas Well	EMERY	SWSW	32	16S-8E
43-015-30568-00-00	ST OF UT "AA" 18-153	Gas Well	EMERY	SESW	18	17S-8E

API Well Number	Well Name	Well Type	County Name	Qtr/Qtr	Section	Twn-Rng
43-015-30569-00-00	ST OF UT "AA" 07-146	Gas Well	EMERY	NESW	7	17S-8E
43-015-30570-00-00	ST OF UT "AA" 18-154	Gas Well	EMERY	NESE	18	17S-8E
43-015-30571-00-00	ST OF UT "AA" 17-156	Gas Well	EMERY	SWSE	17	17S-8E
43-015-30572-00-00	ST OF UT "AA" 18-149	Gas Well	EMERY	SENW	18	17S-8E
43-015-30573-00-00	ST OF UT "MM" 20-192	Gas Well	EMERY	SENW	20	17S-8E
43-015-30574-00-00	ST OF UT "MM" 20-193	Gas Well	EMERY	NENE	20	17S-8E
43-015-30575-00-00	ST OF UT MM 20-194	Gas Well	EMERY	NWSW	20	17S-8E
43-015-30576-00-00	ST OF UT AA 07-147	Gas Well	EMERY	SESE	7	17S-8E
43-015-30577-00-00	ST OF UT BB 08-148	Gas Well	EMERY	NWSW	8	17S-8E
43-015-30578-00-00	ST OF UT AA 18-150	Gas Well	EMERY	NWNE	18	17S-8E
43-015-30579-00-00	ST OF UT NN 19-157	Gas Well	EMERY	NENE	19	17S-8E
43-015-30580-00-00	ST OF UT AA 17-152	Gas Well	EMERY	NENE	17	17S-8E
43-015-30581-00-00	ST OF UT OO 16-190	Gas Well	EMERY	NESW	16	17S-8E
43-015-30582-00-00	ST OF UT PP 16-191	Gas Well	EMERY	NESE	16	17S-8E
43-015-30583-00-00	ST OF UT AA 17-151	Gas Well	EMERY	NENW	17	17S-8E
43-015-30585-00-00	ST OF UT MM 21-195	Gas Well	EMERY	NENW	21	17S-8E
43-015-30586-00-00	ST OF UT GG 21-163	Gas Well	EMERY	NENE	21	17S-8E
43-015-30587-00-00	ZIONS FED 35-137	Gas Well	EMERY	NESE	35	16S-7E
43-015-30589-00-00	UTAH FED 01-205D	Gas Well	EMERY	SENW	1	17S-7E
43-015-30590-00-00	ZIONS FED 02-134	Gas Well	EMERY	NWNW	2	17S-7E
43-015-30591-00-00	UTAH FED 12-197	Gas Well	EMERY	SENE	12	17S-7E
43-015-30592-00-00	ST OF UT QQ 31-201	Gas Well	EMERY	SESW	31	16S-8E
43-015-30593-00-00	ST OF UT AA 17-155	Gas Well	EMERY	SWSW	17	17S-8E
43-015-30601-00-00	UTAH FED 12-199	Gas Well	EMERY	NESE	12	17S-7E
43-015-30602-00-00	UTAH FED 35-196	Gas Well	EMERY	NENW	35	16S-7E
43-015-30603-00-00	UTAH FED 35-136	Gas Well	EMERY	SWNE	35	16S-7E
43-015-30604-00-00	UT FED 12-200D	Gas Well	EMERY	NESE	12	17S-7E
43-015-30605-00-00	UT FED 12-198D	Gas Well	EMERY	SENE	12	17S-7E
43-015-30606-00-00	ST OF UT QQ 31-204D	Gas Well	EMERY	SESW	31	16S-8E
43-015-30607-00-00	ST OF UT QQ 31-203D	Gas Well	EMERY	SESW	31	16S-8E
43-015-30608-00-00	ST OF UT QQ 31-202D	Gas Well	EMERY	SESW	31	16S-8E
43-015-30609-00-00	ST OF UT HH 23-166	Gas Well	EMERY	NENW	23	17S-8E

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW
3. FILE

**X Change of Operator (Well Sold)**

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: 8/1/2004

<b>FROM:</b> (Old Operator): N0210-Chevron USA, Inc 11111 S Wilcrest Houston, TX 77099 Phone: 1-(281) 561-4991	<b>TO:</b> ( New Operator): N2615-XTO Energy Inc 2700 Farmington Ave, Bldg K Suite 1 Farmington, NM 87401 Phone: 1-(505) 324-1090
--	---

CA No.

Unit:

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
USA 34-80	34	170S	070E	4301530389	12765	Federal	GW	P
USA 34-82	34	170S	070E	4301530390	12821	Federal	GW	S
USA 3-75	03	180S	070E	4301530384	12822	Federal	GW	P
FEDERAL P 3-92	03	180S	070E	4301530448	13209	Federal	GW	P
FEDERAL P 3-93	03	180S	070E	4301530449	13210	Federal	GW	S
USA 11-70	11	180S	070E	4301530385		Federal	GW	APD C
USA 11-71	11	180S	070E	4301530386		Federal	GW	APD C
USA 11-72	11	180S	070E	4301530387	12824	Federal	GW	P
USA 11-73	11	180S	070E	4301530388		Federal	GW	APD C
FEDERAL T 21-94	21	180S	070E	4301530450		Federal	GW	APD C
FEDERAL T 22-69	22	180S	070E	4301530451	12818	Federal	GW	P
FEDERAL T 22-83	22	180S	070E	4301530452		Federal	GW	APD C
FEDERAL T 22-91	22	180S	070E	4301530453		Federal	GW	APD C
FEDERAL C 23-84	23	180S	070E	4301530447		Federal	GW	APD C
FEDERAL A 26-88	26	180S	070E	4301530445		Federal	GW	APD C
FEDERAL T 27-85	27	180S	070E	4301530440		Federal	GW	APD C
FEDERAL T 27-86	27	180S	070E	4301530455		Federal	GW	APD C
FEDERAL T 27-87	27	180S	070E	4301530456	12817	Federal	GW	P
FEDERAL T 27-90	27	180S	070E	4301530457		Federal	GW	APD C
FEDERAL A 35-89	35	180S	070E	4301530446	12819	Federal	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/28/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/28/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 7/19/2004
- Is the new operator registered in the State of Utah: YES Business Number: 5655506-0143
- If **NO**, the operator was contacted on:
- 6a. (R649-9-2)Waste Management Plan has been received on: to follow
- 6b. Inspections of LA PA state/fee well sites complete on: being worked

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA n/a

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 9/28/2004

**DATA ENTRY:**

- Changes entered in the Oil and Gas Database on: 9/30/2004
- Changes have been entered on the Monthly Operator Change Spread Sheet on: 9/30/2004
- Bond information entered in RBDMS on: 9/30/2004
- Fee/State wells attached to bond in RBDMS on: 9/30/2004
- Injection Projects to new operator in RBDMS on: 9/30/2004
- Receipt of Acceptance of Drilling Procedures for APD/New on: 9/28/2004

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: 579173

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: n/a

**FEE & STATE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 104312762

2. The **FORMER** operator has requested a release of liability from their bond on: n/a

The Division sent response by letter on: n/a

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 10/5/2004

**COMMENTS:**

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
 XTO ENERGY INC.

3a. Address  
 2700 Farmington Ave. Bldg K, Suite 1 Farmington, NM 87401

3b. Phone No. (include area code)  
 (505) 324-1090

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

5. Lease Serial No.  
 UTU-68538

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
 All Wells on Lease

9. API Well No.  
 Multiple

10. Field and Pool, or Exploratory Area  
 Buzzard's Bench

11. County or Parish, State  
 Emery, Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Operator Change</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

Effective August 1, 2004, the operator for lease # UTU 68538 changed from Chevron U.S.A. Inc. to XTO ENERGY INC.

XTO ENERGY's Nationwide Bond is ~~579473~~

UT B000138  
(Surety ID: 104312750)

RECEIVED  
 MOAB FIELD OFFICE  
 2004 SEP 29 P 3:02  
 DEPT OF THE INTERIOR  
 BUREAU OF LAND MGMT

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

Signature: Edwin S. Ryan JR Title: SR. VP-Land

Signature: Edwin S. Ryan JR Date: 9/27/04

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by: ACCEPTED Title: Division of Resources Date: SEP 29 2004

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

Office: Moab Field Office

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

cc: UDOGm

Conditions Attached

RECEIVED  
 OCT 27 2004  
 DIV. OF OIL, GAS & ...

API Well Number	Well Name	Well Type	Well Status	County Name	Lease No.	Qtr/Qtr	Section	Location (Twn-Rng)
43-015-30440-00-00	FEDERAL T 27-85 ✓	Gas Well	Approved permit (APD); not yet spudded	EMERY	UTU68538	SENW	27	18S-7E
43-015-30450-00-00	FEDERAL T 21-94 ✓	Gas Well	Approved permit (APD); not yet spudded	EMERY	UTU68538	NENE	21	18S-7E
43-015-30451-00-00	FEDERAL T 22-69 ✓	Gas Well	Producing	EMERY	UTU68538	NENE	22	18S-7E
43-015-30452-00-00	FEDERAL T 22-83 ✓	Gas Well	Approved permit (APD); not yet spudded	EMERY	UTU68538	SWSE	22	18S-7E
43-015-30453-00-00	FEDERAL T 22-91 ✓	Gas Well	Approved permit (APD); not yet spudded	EMERY	UTU68538	NENW	22	18S-7E
43-015-30455-00-00	FEDERAL T 27-86 ✓	Gas Well	Approved permit (APD); not yet spudded	EMERY	UTU68538	SENE	27	18S-7E
43-015-30456-00-00	FEDERAL T 27-87 ✓	Gas Well	Producing	EMERY	UTU68538	SESE	27	18S-7E
43-015-30457-00-00	FEDERAL T 27-90 ✓	Gas Well	Approved permit (APD); not yet spudded	EMERY	UTU68538	NWSW	27	18S-7E

XTO Energy Inc.  
Well Nos. T 27-87, T 22-69, T 22-83, T 27-85,  
T 27-86, T 27-90, T 22-91 and T 21-94  
Sections 21, 22 and 27 , T. 18 S., R. 7 E.  
Lease UTU68538  
Emery County, Utah

#### CONDITIONS OF ACCEPTANCE

Acceptance of these applications does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Be advised that XTO Energy Inc. is considered to be the operator of the above wells effective August 1, 2004, and is responsible under the terms and conditions of the lease for the operations conducted on the leased lands.

Bond coverage for these well is provided by UTB000138 (Principal – XTO Energy Inc.) via surety consent as provided for in 43 CFR 3104.2.

This office will hold the aforementioned operator and bond liable until the provisions of 43CFR 3106.7-2 continuing responsibility are met.

NOTE:

- Well Nos. T 22-83, T 27-85 and T 27-86 are approved applications that have not yet been drilled. BLM approval to drill at these locations expires 5/23/05.

Well Nos. T 27-90, T 22-91 and T 22-94 are approved applications that have not yet been drilled. BLM approval to drill at these locations expires 6/15/05.

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

**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: **UTU-73965**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER: **LM LEMMON #10-01**

9. API NUMBER: *Various (see attached)*

10. FIELD AND POOL, OR WILDCAT: **FERRON SANDSTONE**

1. TYPE OF WELL:  OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR: **XTO ENERGY INC.**

3. ADDRESS OF OPERATOR: **2700 Farmington, Bldg K-1 Farmington NM 87401** PHONE NUMBER: **(505) 324-1090**

4. LOCATION OF WELL: FOOTAGES AT SURFACE: **660' FSK & 792' FEL** COUNTY: **EMERY**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN **SESE 10 17S 08E** STATE: **UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate) Approximate date work will start <b>1/1/2004</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> (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 checked="" type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	<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. acquired wells from Chevron/Texaco on August 1, 2004. Chevron/Texaco failed to file a Notice of Intent to surface commingle these wells and XTO Energy Inc. was unaware until recently that nothing had been filed. We are including with this application for surace commingle a list of the wells in Emery County and a spreadsheet showing production figures for these wells. Each well has its own meter then runs through a central delivery point where allocations are made.

XTO Energy Inc. is requesting approval for the commingle of these wells as well as off-lease measurement. As wells are drilled, additional sundries will be submitted to add to our surface commingle.

COPY SENT TO OPERATOR  
Date: 6-15-07  
Initials: DM

NAME (PLEASE PRINT) **HOLLY C. PERKINS** TITLE **REGULATORY COMPLIANCE TECH**

SIGNATURE *Holly C. Perkins* DATE **5/15/2007**

This space for State use only)

**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**  
DATE: 5/15/07  
BY: [Signature]

Federal Approval Of This Action Is Necessary

**RECEIVED**  
**MAY 18 2007**  
DIV. OF OIL, GAS & MINING

### Utah Wells Surface Commingled at Huntington CDP

Well Name	API #	Status	Lease
American West Group 15-128	43-015-30484	Shut In	State
Conover 14-171	43-015-30529	Producing	State
Gardner Trust 16-121	43-015-30478	Producing	State
Lemmon LM 10-01	43-015-30242	Producing	Federal
Malone 14-131	43-015-30556	Producing	State
Rowley 08-111	43-015-30486	Producing	State
Seeley 08-112	43-015-30495	Producing	State
Seeley Farms 09-117	43-015-30501	Producing	State
State of Utah 16-8-31-12D	43-015-30608	Producing	State
State of Utah 16-8-31-32DX	43-015-30634	Producing	State
State of Utah 16-8-31-44D	43-015-30606	Producing	State
State of Utah 16-8-32-43	43-015-30566	Producing	State
State of Utah 17-8-15-14	43-015-30622	Producing	State
State of Utah 17-8-15-33	43-015-30561	Producing	State
State of Utah 17-8-17-32	43-015-30672	Producing	State
State of Utah 17-8-18-12	43-015-30626	Producing	State
State of Utah 17-8-18-24	43-015-30678	Producing	State
State of Utah 17-8-18-31	43-015-30671	Producing	State
State of Utah 17-8-18-43	43-015-30670	Producing	State
State of Utah 17-8-20-22	43-015-30623	Producing	State
State of Utah 17-8-21-33	43-015-30679	Producing	State
State of Utah 17-8-21-41	43-015-30631	Producing	State
State of Utah 17-8-22-14	43-015-30676	Producing	State
State of Utah 17-8-22-21	43-015-30624	Producing	State
State of Utah 17-8-28-12X	43-015-30699	Producing	State
State of Utah 17-8-3-11X	43-015-30635	Producing	State
State of Utah 17-8-4-21	43-015-30620	Producing	State
State of Utah 17-8-5-42R	43-015-30686	Producing	State
State of Utah 17-8-7-34	43-015-30621	Producing	State
State of Utah 17-8-8-14	43-015-30673	Producing	State
State of Utah 36-138	43-015-30550	Producing	State
State of Utah 36-139	43-015-30530	Producing	State
State of Utah AA 07-105	43-015-30497	Producing	State
State of Utah AA 07-106	43-015-30396	Producing	State
State of Utah AA 07-146	43-015-30569	Producing	State
State of Utah BB 04-116	43-015-30503	Producing	State
State of Utah BB 05-107	43-015-30479	Producing	State
State of Utah BB 05-108	43-015-30480	Producing	State
State of Utah BB 05-109	43-015-30481	P&A	State
State of Utah BB 05-110	43-015-30482	Producing	State
State of Utah BB 08-113	43-015-30496	Shut In	State
State of Utah BB 09-119	43-015-30437	Producing	State
State of Utah BB 09-120	43-015-30444	Producing	State
State of Utah CC 03-161	43-015-30552	Producing	State
State of Utah CC 10-123	43-015-30454	Producing	State
State of Utah CC 10-124	43-015-30438	Producing	State
State of Utah FF 10-125	43-015-30458	Producing	State
State of Utah FF 11-129	43-015-30459	Producing	State
State of Utah FF 11-130	43-015-30462	Shut In	State

### Utah Wells Surface Commingled at Huntington CDP

State of Utah FO 02-186	43-015-30533	Producing	State
State of Utah FO 02-188	43-015-30553	Producing	State
State of Utah GG 03-122	43-015-30499	Producing	State
State of Utah GG 04-115	43-015-30504	Producing	State
State of Utah HH 03-133	43-015-30500	Producing	State
State of Utah II 36-95	43-015-30509	Producing	State
State of Utah II 36-96	43-01530508	Shut In	State
State of Utah KK 32-144	43-015-30567	Producing	State
State of Utah QQ 31-201	43-015-30592	Producing	State
State of Utah SS 22-165	43-015-30520	Producing	State
State of Utah T 36-10	43-015-30268	Producing	State
State of Utah T 36-100	43-015-30506	Producing	State
UP&L 06-102	43-015-30441	Producing	State
UP&L 06-103	43-015-30483	Producing	State
UP&L 06-104	43-015-30442	Producing	State
UP&L Federal 01-101	43-015-30511	Producing	Federal
Utah Federal 01-205D	43-015-30589	Producing	Federal
* Utah Federal 16-7-35-21	43-015-30602	Producing	Federal
* Utah Federal 16-7-35-32	43-015-30603	Producing	Federal
X Utah Federal 17-7-12-22D	43-015-30605	Producing	Federal
Utah Federal 17-7-12-24D	43-015-30604	Producing	Federal
† Utah Federal 17-7-12-42	43-015-30591	Producing	Federal
Utah Federal 17-7-12-43	43-015-30601	Producing	Federal
Utah Federal 17-7-3-41D	43-015-30697	Producing	Federal
Utah Federal KK 01-140	43-015-30507	Producing	Federal
Utah Federal KK 01-141	43-015-30559	Producing	Federal
Utah Federal M 06-25	43-015-30292	Producing	Federal
WH Leonard 15-127	43-015-30485	Producing	State
Wm S Ivie 09-118	43-015-30443	Producing	State
Zion's Federal 35-135R	43-015-30521	Producing	Federal
† Zion's Federal 17-7-2-11	43-015-30590	Producing	Federal
Zion's Federal 35-137	43-015-30587	Producing	Federal

### Utah Wells Surface Commingled at Orangeville CDP

Well Name	API #	Status	Lease	Notes
Curtis D&D 14-54	43-015-30319	Shut In	Federal	
Curtis L&M 10-58	43-015-30310	Shut In	Federal	
Curtis L&M 15-67	43-015-30325	Producing	Federal	
Federal A 18-7-26-12	43-015-30445	Producing	Federal	
Federal A 26-02	43-015-30244	Shut In	Federal	
Federal A 26-04	43-015-30246	Shut In	Federal	
Federal A 34-07	43-015-30249	Producing	Federal	
Federal A 35-05	43-015-30248	Producing	Federal	
Federal A 35-06	43-015-30247	Producing	Federal	
Federal A 35-89	43-015-30446	Producing	Federal	
Federal B 21-03	43-015-30243	Shut In	Federal	
Federal C 18-7-23-23R	43-015-30629	Producing	Federal	
Federal C 23-08	43-015-30245	Producing	Federal	
Federal P 03-92	43-015-30448	Producing	Federal	
Federal P 03-93	43-015-30449	Producing	Federal	
Federal T 18-07-22-34	43-015-30452	Producing	Federal	
Federal T 22-69	43-015-30451	Producing	Federal	
Federal T 27-87	43-015-30456	P&A	Federal	
Ferron St 4-36-18-7	43-015-30253	Producing	Federal	Operator: Merrion Oil & Gas
Jensen AL 27-09	43-015-30259	Shut In	State	
Jones D&A 09-59	43-015-30329	Producing	Federal	
Jones D&A 15-68	43-015-30318	Shut In	State	
Klinkhammer 1	43-015-30610	Shut In	Federal	Operator: Merrion Oil & Gas
Norris RG 14-40	43-015-30324	Producing	Federal	
Peacock 07-64	43-015-30327	Producing	Federal	
Peacock P&K 08-62	43-015-30320	Producing	Federal	
Peacock Trust 08-61	43-015-30326	Producing	Federal	
Peacock Trust 08-63	43-015-30328	Producing	Federal	
Peacock Trust 09-60	43-015-30321	Producing	Federal	
State of Utah 01-97	43-015-30498	Producing	State	
State of Utah 17-7-36-33R	43-015-30687	Producing	State	
State of Utah 17-8-19-11D	43-015-30695	P&A	State	
State of Utah 18-7-2-33R	43-015-30674	Producing	State	
State of Utah DD 31-98	43-015-30439	Producing	State	
<del>State of Utah II 36-05</del>	<del>43-015-30509</del>	Producing	State	
<del>State of Utah II 36-06</del>	<del>43-015-30508</del>	P&A	State	
State of Utah U 02-11	43-015-30270	Producing	State	
State of Utah U 02-48	43-015-30306	Producing	State	
State of Utah U 02-49	43-015-30309	P&A	State	
State of Utah U 02-50	43-015-30308	Producing	State	
State of Utah X 16-65	43-015-30312	Shut In	State	
State of Utah X 16-66	43-015-30311	Producing	State	
UP&L 14-53	43-015-30313	Producing	State	
UP&L 14-55	43-015-30314	Producing	Federal	
UP&L 23-51	43-015-30315	Producing	Federal	
UP&L 24-57	43-015-30316	Producing	State	
USA 03-74	43-015-30383	Producing	Federal	

**Utah Wells Surface Commingled at Orangeville CDP**

USA 03-75	43-015-30384	Producing	Federal
USA 11-72	43-015-30387	Producing	Federal
USA 18-7-11-23	43-015-30640	Producing	State
USA 34-80	43-015-30389	Shut In	Federal
USA 34-82	43-015-30390	Producing	Federal
Utah Federal 17-7-35-42	43-015-30641	Drilling	Federal
Utah Federal 18-7-27-44R	43-015-30628	Producing	Federal
Utah Federal 18-7-9-11	43-015-30639	Producing	Federal
Utah Federal D 34-12	43-015-30282	Producing	Federal
Utah Federal D 35-13	43-015-30285	Producing	Federal
Utah Federal D 35-14	43-015-30286	Producing	Federal
Utah Federal D 35-15	43-015-30287	Producing	Federal
Utah Federal H 06-21	43-015-30294	TA	Federal
Utah Federal P 10-42	43-015-30276	Producing	Federal
Utah Federal P 10-43	43-015-30277	Producing	Federal
Utah Federal P 10-47	43-015-30258	Producing	Federal
Utah Federal Q 04-44	43-015-30280	Producing	Federal
Utah Federal R 09-45	43-015-30275	Producing	Federal
Utah Federal S 08-46	43-015-30274	Producing	Federal
Utah State 01-76	43-015-30381	Producing	State
Utah State 36-78	43-015-30382	Producing	State

BUZZARD BENCH/TAH PRODUCTION

MONTHLY GAS PRODUCTION

ACTUAL ALLOCATED SALES

Apr-05

gton Wells

WELL No.	Days On	MONTHLY WATER PRODUCTION	FIELD ESTIMATED PRODUCTION										ACTUAL ALLOCATED SALES					FIELD PRODUCTION
			Coastal Statement	PROD %	FIELD EST. PROD.	Gas	Lse Use Gas	Vented CO2	VENIED GAS	ADJ	FIELD ESTIMATED SALES	ALLOCATED SALES	Lse Use Gas	Vented CO2	VENIED GAS	ADJ		
C-01	30	435	1476	0.00488716	1479	45	36	1708	1708	2200	1299	1246	81	98	179	1425		
T35-10	30	2667	18292	0.06048442	18298	45	447	2280	2280	2739	16095	15424	492	1708	2200	17624		
M08-25	30	723	16969	0.05610978	16975	45	414	2280	2280	2739	14236	14308	459	2280	2739	17047		
H06-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
07-106	30	579	5052	0.01673803	5064	45	124	789	789	658	4106	4268	169	789	658	5226		
09-119	30	85	725	0.0024005	726	45	18	108	108	171	556	512	53	108	106	908		
10-124	30	29	951	0.00314458	951	45	23	38	38	176	645	802	68	38	106	19714		
06-102	30	823	20112	0.06850244	20119	45	491	2219	2219	2755	17354	18959	536	2219	2755	13412		
06-104	30	803	12922	0.04272795	12925	45	315	2156	2156	2576	10410	10895	350	2156	2516	839		
09-118	30	163	797	0.00263536	797	45	19	100	100	184	633	672	64	100	147	905		
TAL	30	214	899	0.00297264	899	45	22	80	80	47	752	758	67	80	0	0		
09-120	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
18-7-23-23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
17-8-15-33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
10-123	30	261	1348	0.0044573	1348	45	33	89	89	167	1182	1137	78	89	167	3041		
10-125	30	286	5361	0.00177234	538	45	13	32	32	93	446	452	58	32	59	542		
11-129	29	0	306	0.00130942	395	44	10	16	16	59	327	334	53	16	59	403		
11-130	30	1847	162	0.00053557	162	45	4	42	42	105	652	638	63	42	105	193		
TRUST ET AL	30	275	757	0.0025031	757	45	18	42	42	105	6591	6940	244	1397	1641	8581		
05-107	29	242	8230	0.02721336	8233	44	201	1397	1397	1641	3940	4150	165	830	995	1558		
05-108	30	611	4934	0.01631479	4936	45	20	630	630	955	3940	4150	165	830	995	1285		
05-109	30	113	1252	0.00413987	1252	45	31	133	133	209	1044	1056	76	133	194	1508		
05-110	30	31	1462	0.00483426	1463	45	36	194	194	275	1188	1233	81	194	1509	9210		
05-103	30	346	9133	0.03019922	9136	45	223	1241	1241	1509	7627	7701	268	1241	1509	0		
VEST GROUP ET AL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
15-127	30	1452	3530	0.01167232	3531	45	66	226	226	357	3174	2877	131	226	357	3334		
ARD ET AL	30	143	1513	0.00500299	1514	44	37	203	203	283	1230	1276	80	203	283	1559		
08-111	29	118	1326	0.00438456	1326	45	32	143	143	220	1106	1118	77	143	171	808		
08-112	30	0	756	0.00249979	756	45	18	108	108	171	585	637	63	108	108	7107		
08-113	30	0	165	0.001197	165	45	9	1197	1197	1407	5355	5700	210	1197	1407	4711		
07-105	30	909	6760	0.02235265	6782	45	165	1197	1197	1407	370	385	56	1197	1407	350		
03-122	30	0	456	0.00150781	456	45	11	30	30	86	370	279	53	30	71	1002		
03-133	30	102	331	0.00109449	331	45	9	136	136	204	742	798	58	136	123	631		
09-117	30	37	603	0.00199388	603	45	15	63	63	123	480	508	60	63	123	1204		
04-116	30	258	1185	0.00392163	1185	45	29	130	130	204	982	1000	74	130	204	35272		
04-115	30	1506	4065	0.01344135	4088	45	99	5000	5000	5896	28953	29376	896	5000	5896	4034		
01-140	30	1199	24478	0.08093908	24486	45	596	2937	2937	3580	20907	20640	643	2937	3580	24220		
01-101	30	1690	4630	0.01530958	4632	45	113	162	162	320	4312	3904	158	162	179	4224		
22-165	30	4133	1501	0.00496321	1502	0	37	142	142	179	1323	1266	37	142	179	1445		
J (RIG SKID)	30	3033	4645	0.01535918	4647	45	113	163	163	321	4325	3917	158	163	163	8927		
36-139	30	734	9013	0.02980243	9016	45	229	1082	1082	1327	7689	7600	265	1082	1327	586		
02-186	30	193	575	0.0019013	575	46	14	42	42	101	474	485	59	42	42	5038		
36-138	30	555	5299	0.01752171	5301	45	129	396	396	570	4730	4468	174	396	48	578		
03-161	30	61	558	0.00184509	558	45	14	48	48	113	811	778	68	48	113	891		
02-188	30	176	923	0.003052	923	45	23	71	71	164	1804	1659	93	71	154	1823		
14-131	30	793	1967	0.00650409	1988	45	48	283	283	382	1827	1862	99	283	392	2244		
01-141	30	59	2208	0.00730098	2209	45	54	283	283	382	25047	25466	811	5540	5540	32817		
32-144	30	3738	31387	0.0378441	31398	45	766	5540	5540	6351	25047	25466	811	5540	605	2932		
07-145	30	622	2760	0.00812623	2761	0	67	538	538	605	2156	2327	57	538	605	13521		
35-137	30	1556	11613	0.0383996	11617	0	294	1275	1275	1560	10057	9792	284	1275	1560	2564		
01-205D	30	4123	2659	0.00879226	2660	0	55	257	257	322	2338	2242	65	257	322	35568		
31-201	30	1581	35480	0.11731834	35492	0	966	4755	4755	5621	29871	29917	866	4755	5621	303311		
TOTAL		43726	302425		302529	1930	5	7383	38990	48302.5	254225.5	255009	9312	38990	38990	48302		

ETU 104 SALES MTR 255006

Oil Wells

FIELD ESTIMATED PRODUCTION

ACTUAL ALLOCATED SALES

WELL	Days On	MONTHLY WATER PRODUCTION	FIELD ESTIMATED PRODUCTION										ACTUAL ALLOCATED SALES					TOTAL ADJ	FIELD PRODUCTION			
			Costal Statement	PROD %	FIELD EST PROD	Irr Gas	Lea Use Gas	Vented Gas	Vented Gas	VENTED GAS	ADJ	ESTIMATED SALES	ALLOCATED SALES	Lea Use Gas	Vented CO2	TOTAL VENTED						
B21-03	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A26-02	25	86	490	0.00165775	490	39	13	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
C23-08	30	3432	9140	0.03092205	9,140	45	236	437	437	437	437	437	437	437	437	437	437	437	437	437	437	437
A25-04	15	0	81	0.00023005	81	23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
A35-06	30	141	29083	0.09844307	29,083	45	750	1,706	1,706	1,706	1,706	1,706	1,706	1,706	1,706	1,706	1,706	1,706	1,706	1,706	1,706	1,706
A35-05	16	700	289	0.00097773	289	27	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
A34-07	30	2845	5383	0.01821153	5,383	45	39	361	361	361	361	361	361	361	361	361	361	361	361	361	361	361
P10-47	30	734	391	0.00047028	139	210	4	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
JAME PROB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
A27-09	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UC2-11	30	50211	15291	0.05173154	15,291	45	394	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255	1,255
SOE-46	29	1	519	0.00175586	519	203	13	230	230	230	230	230	230	230	230	230	230	230	230	230	230	230
PO9-45	30	36	444	0.00150212	444	210	11	102	102	102	102	102	102	102	102	102	102	102	102	102	102	102
P10-42	29	7609	815	0.0327708	819	44	21	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
P10-43	30	3050	605	0.00204681	605	45	16	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61
Q04-44	16	5442	71	0.0002402	71	12	2	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
D34-12	24	2583	147	0.00497662	1,471	36	38	126	126	126	126	126	126	126	126	126	126	126	126	126	126	126
D35-13	30	142110	896	0.00303131	396	45	23	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349
D35-14	24	647	293	0.00099126	293	36	8	57	57	57	57	57	57	57	57	57	57	57	57	57	57	57
D35-15	30	16301	20903	0.07071811	20,903	45	539	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328
H06-21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UC2-48	25	75271	2310	0.00781509	2,310	42	60	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148
UC2-50	30	706	2703	0.00914457	2,703	45	70	349	349	349	349	349	349	349	349	349	349	349	349	349	349	349
UC2-49	15	173	347	0.00117395	347	23	9	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
10-58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
X16-66	23	307	290	0.00098112	290	42	7	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38
X16-65	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
*4-53	30	298	827	0.00279787	827	45	21	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50
*4-55	30	9023	65522	0.41965343	124,042	90	3,196	7,739	7,739	7,739	7,739	7,739	7,739	7,739	7,739	7,739	7,739	7,739	7,739	7,739	7,739	7,739
*4-55A	30	0	58520	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23-51	30	175	259	0.00091007	269	45	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
24-57	30	254	581	0.00230393	581	45	18	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
15-68	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CK	08-62	29	23	491	0.00166113	491	44	13	19	19	19	19	19	19	19	19	19	19	19	19	19	19
RUST	09-60	29	1445	1074	0.00363351	1,074	44	28	294	294	294	294	294	294	294	294	294	294	294	294	294	294
	14-40	30	4320	2701	0.0091379	2,701	45	70	154	154	154	154	154	154	154	154	154	154	154	154	154	154
	15-67	26	202	261	0.000883	261	39	7	14	14	14	14	14	14	14	14	14	14	14	14	14	14
RUST	08-61	30	478	9427	0.03189301	9,427	45	243	528	528	528	528	528	528	528	528	528	528	528	528	528	528
	07-64	30	1092	1557	0.00560589	1,557	45	43	495	495	495	495	495	495	495	495	495	495	495	495	495	495
RUST	06-63	30	264	1554	0.00559574	1,554	45	43	777	777	777	777	777	777	777	777	777	777	777	777	777	777
	09-59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	01-76	30	3108	4960	0.01684812	4,960	45	128	326	326	326	326	326	326	326	326	326	326	326	326	326	326
	36-78	30	902	5802	0.01962907	5,802	45	150	380	380	380	380	380	380	380	380	380	380	380	380	380	380
	03-74	27	24620	1325	0.00446268	1,325	41	34	130	130	130	130	130	130	130	130	130	130	130	130	130	130
	03-75	30	5879	4356	0.01487235	4,356	45	113	299	299	299	299	299	299	299	299	299	299	299	299	299	299
	11-72	30	45297	522	0.00311927	922	45	24	177	177	177	177	177	177	177	177	177	177	177	177	177	177
	34-80	15	44	113	0.0003823	113	24	3	21	21	21	21	21	21	21	21	21	21	21	21	21	21
	34-82	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	31-98	30	10	1482	0.00501384	1,482	45	38	133	133	133	133	133	133	133	133	133	133	133	133	133	133
	A35-89	30	9902	34803	0.11774398	34,803	45	897	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021	2,021
	P03-92	30	1184	386	0.00299748	886	45	23	89	89	89	89	89	89	89	89	89	89	89	89	89	89
	P03-93	28	9434	546	0.00218552	646	42	17	96	96	96	96	96	96	96	96	96	96	96	96	96	96
	T22-69	30	320	1130	0.00382297	1,130	45	29	58	58	58	58	58	58	58	58	58	58	58	58	58	58
	T27-87	33	574	546	0.0018472	546	45	14	27	27	27	27	27	27	27	27	27	27	27	27	27	27
	01-97	30	0	1194	0.00403949	1,194	0	31	73	73	73	73	73	73	73	73	73	73	73	73	73	73
	36-95	30	61	470	0.00159008	470	0	2	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	38-95	30	1903	1260	0.00426278	1,260	0	32	130	130	130	130	130	130	130	130	130	130	130	130	130	130
MERRON GAS WELLS																						
hammer		29	10537	481	0.0016273	481	0	12	15	15	15	15	15	15	15	15	15	15	15	15	15	15
al	4-36-18-7	30	965	493	0.0016679	493	0	0	28	28	28	28	28	28	28	28	28	28	28	28	28	28
			363037	295582		295,582	2,448	7,602	20,777	20,777	20,777	20,777	20,777	20,777	20,777	20,777	20,777	20,777	20,777	20,777	20,777	20,777

BTU

SALES MTR

SALES LESS MERRION WELLS

PIPELINE

LE VELLE FROM CCANIA STATEMENT

	20777								
	0								
	7604				7604		0		
	2448			2448					
	0			0					
Id statement + memon	974								
	31833		295582	2448	7604		0		

SALES DIFFERENCE

8676

JC137 G

385211	597033	597137	4379	14975	69724	58724	79077	516050	514053	9355	58724	59724	79079	593932
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OCT 12 2004

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  GAS WELL  OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
XTO ENERGY INC. *N2615*

3. ADDRESS OF OPERATOR:  
2700 Farmington Bldg K, Sul. Farmington STATE NM ZIP 87401 PHONE NUMBER: (505) 324-1090

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: COUNTY: Emery  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:  
Various Leases  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  
7. UNIT or CA AGREEMENT NAME:  
8. WELL NAME and NUMBER:  
See attached list  
9. API NUMBER:  
Multiple  
10. FIELD AND POOL, OR WILDCAT:  
Buzzard Bench

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 checked="" 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 checked="" 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.  
Effective August 1, 2004, the operator changed from Chevron U.S.A. Inc. to XTO ENERGY INC. for all wells on the attached list.

BLM #579173

State and Fee Bond #104312762

RECEIVED  
MAY 18 2007  
DIV. OF OIL, GAS & MINING

*Kenneth W. Jackson*

Kenneth W. Jackson Regulatory Specialist ChevronTexaco for Chevron U.S.A. Inc. *N0210*

NAME (PLEASE PRINT) *James L. Death* TITLE *Vice President-Land*  
SIGNATURE *James L. Death* DATE *8/16/04*

(This space for State use only)

APPROVED *9/30/2004*

*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

(5/2000)

RECEIVED  
SEP 28 2004

DIV. OF OIL, GAS & MINING

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 <u>CONFIDENTIAL</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-67532
2. NAME OF OPERATOR: XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 2700 Farmington Ave. Bldg K CITY Farmington STATE NM ZIP 87401		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1815' FNL & 897' FWL		8. WELL NAME and NUMBER: FEDERAL A 18-7-26 #12
QTR/QR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 26 18S 07E		9. API NUMBER: 4301530445
COUNTY: EMERY		10. FIELD AND POOL, OR WILDCAT: BUZZARD BENCH ABO
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 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: <u>SURFACE</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>COMMINGLE</u>

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

XTO Energy Inc. proposes to surface commingle the following two wells into our Orangeville CDP:  
Federal A 18-7-26 #12; Sec 26-T18S-R07E; 1815' FNL & 897' FWL; 43-015-30445; UTU-67532; Buzzard Bench  
Federal T 18-7-22 #34; Sec 22-T18S-R07E; 539' FSL & 1831' FEL; 43-015-30452; UTU-68535; Buzzard Bench

Both of these wells have their own wellhead allocation meter. Both wells will have the sales point or custody transfer at the Orangeville System.

COPY SENT TO OPERATOR  
Date: 7-11-05  
Initials: CHO

NAME (PLEASE PRINT) <u>HOLLY C. PERKINS</u>	TITLE <u>REGULATORY COMPLIANCE TECH</u>
SIGNATURE <u>Holly C. Perkins</u>	DATE <u>6/23/2005</u>

(This space for State use only)  
Accepted by the  
Utah Division of  
Oil, Gas and Mining

Federal Approval Of This  
Action Is Necessary

RECEIVED  
JUN 29 2005  
DIV. OF OIL, GAS & MINING

(5/2000) Date: 7/18/05 (See Instructions on Reverse Side)

By: Dustin Ducet  
Dustin Ducet ??

WELLS FROM COASTAL STATEMENT

	0	302425			
	38990				
	104	104			
s Check #	256029				
s Check #2	0			0	
	0			0	
	7383			7383	0
	1931		1930 5		
	0				
	304437	302529	1930 5	7383	0

**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.

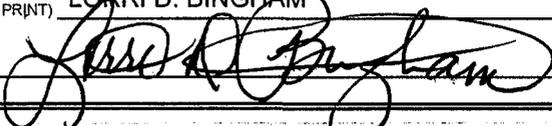
<b>1. TYPE OF WELL</b> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
<b>3. ADDRESS OF OPERATOR:</b> 382 CR 3100 CITY AZTEC STATE NM ZIP 87410		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (505) 333-3100		8. WELL NAME and NUMBER: MUE Federal T 22-69
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: MULTIPLE		9. API NUMBER: MULTIPLE 43015 30451
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 18S 7E 22		10. FIELD AND POOL, OR WILDCAT:
COUNTY: EMERY		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 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 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: _____	<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: SURFACE COMMINGLE
	<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. applied for surface commingle on the attached list of wells on 7/5/07 and State of UT DOGM approval was received on 7/13/07. Due to the rejection of the Federal application, XTO would like to withdraw the commingling application and subsequent work will not be done.

NAME (PLEASE PRINT) <u>LORRI D. BINGHAM</u>	TITLE <u>REGULATORY COMPLIANCE TECH</u>
SIGNATURE 	DATE <u>9/23/2008</u>

(This space for State use only)

**RECEIVED**  
SEP 29 2008  
DIV. OF OIL, GAS & MINING

**Utah Wells Surface Commingled at Orangeville CDP**

Well Name	API #	Status	Lease	Notes
Curtis D&D 14-54	43-015-30319	Shut In	Federal	
Curtis L&M 10-58	43-015-30310	Shut In	Federal	
Curtis L&M 15-67	43-015-30325	Producing	Federal	
Federal A 18-7-26-12	43-015-30445	Producing	Federal	
Federal A 26-02	43-015-30244	Shut In	Federal	
Federal A 26-04	43-015-30246	Shut In	Federal	
Federal A 34-07	43-015-30249	Producing	Federal	
Federal A 35-05	43-015-30248	Producing	Federal	
Federal A 35-06	43-015-30247	Producing	Federal	
Federal A 35-89	43-015-30446	Producing	Federal	
Federal B 21-03	43-015-30243	Shut In	Federal	
Federal C 18-7-23-23R	43-015-30629	Producing	Federal	
Federal C 23-08	43-015-30245	Producing	Federal	
Federal P 03-92	43-015-30448	Producing	Federal	
Federal P 03-93	43-015-30449	Producing	Federal	
Federal T 18-07-22-34	43-015-30452	Producing	Federal	
Federal T 22-69	43-015-30451	Producing	Federal	
Federal T 27-87	43-015-30456	P&A	Federal	
Ferron St 4-36-18-7	43-015-30253	Producing	Federal	Operator: Merrion Oil & Gas
Jensen AL 27-09	43-015-30259	Shut In	State	
Jones D&A 09-59	43-015-30329	Producing	Federal	
Jones D&A 15-68	43-015-30318	Shut In	State	
Klinkhammer 1	43-015-30610	Shut In	Federal	Operator: Merrion Oil & Gas
Norris RG 14-40	43-015-30324	Producing	Federal	
Peacock 07-64	43-015-30327	Producing	Federal	
Peacock P&K 08-62	43-015-30320	Producing	Federal	
Peacock Trust 08-61	43-015-30326	Producing	Federal	
Peacock Trust 08-63	43-015-30328	Producing	Federal	
Peacock Trust 09-60	43-015-30321	Producing	Federal	
State of Utah 01-97	43-015-30498	Producing	State	
State of Utah 17-7-36-33R	43-015-30687	Producing	State	
State of Utah 17-8-19-11D	43-015-30695	P&A	State	
State of Utah 18-7-2-33R	43-015-30674	Producing	State	
State of Utah DD 31-98	43-015-30439	Producing	State	
State of Utah II 36-95	43-015-30509	Producing	State	
State of Utah II 36-96	43-015-30508	P&A	State	
State of Utah U 02-11	43-015-30270	Producing	State	
State of Utah U 02-48	43-015-30306	Producing	State	
State of Utah U 02-49	43-015-30309	P&A	State	
State of Utah U 02-50	43-015-30308	Producing	State	
State of Utah X 16-65	43-015-30312	Shut In	State	
State of Utah X 16-66	43-015-30311	Producing	State	
UP&L 14-53	43-015-30313	Producing	State	
UP&L 14-55	43-015-30314	Producing	Federal	
UP&L 23-51	43-015-30315	Producing	Federal	
UP&L 24-57	43-015-30316	Producing	State	
USA 03-74	43-015-30383	Producing	Federal	

RECEIVED

SEP 29 2008

DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-68538
<b>SUNDRY NOTICES AND REPORTS ON WELLS</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:  7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: FEDERAL T 22-69	
2. NAME OF OPERATOR: XTO ENERGY INC	9. API NUMBER: 43015304510000	
3. ADDRESS OF OPERATOR: PO Box 6501, Englewood, CO, 80155	PHONE NUMBER: 303 397-3727 Ext	9. FIELD and POOL or WILDCAT: BUZZARD BENCH
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>863' FNL 564' FEL</b> 0870 FNL 0539 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 22 Township: 18.0S Range: 07.0E Meridian: S		COUNTY: EMERY  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 Approximate date work will start: 10/15/2013  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 50px;" type="text"/>

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

XTO Energy Inc. is planning on drilling a horizontal lateral from original wellbore. Please see the attached documents showing the well location survey, drilling plan, BOP Stack Diagram, and the Choke manifold drawing.

*Surf*  
 489947X  
 4344167Y  
 39.246765  
 - 111.116498

*BHL*  
 489900X  
 4343012Y  
 39.236419  
 - 111.117032

**Federal Approval of this Action is Necessary**  
  
**Approved by the Utah Division of Oil, Gas and Mining**  
  
 Date: 08-21-13  
 By: [Signature]

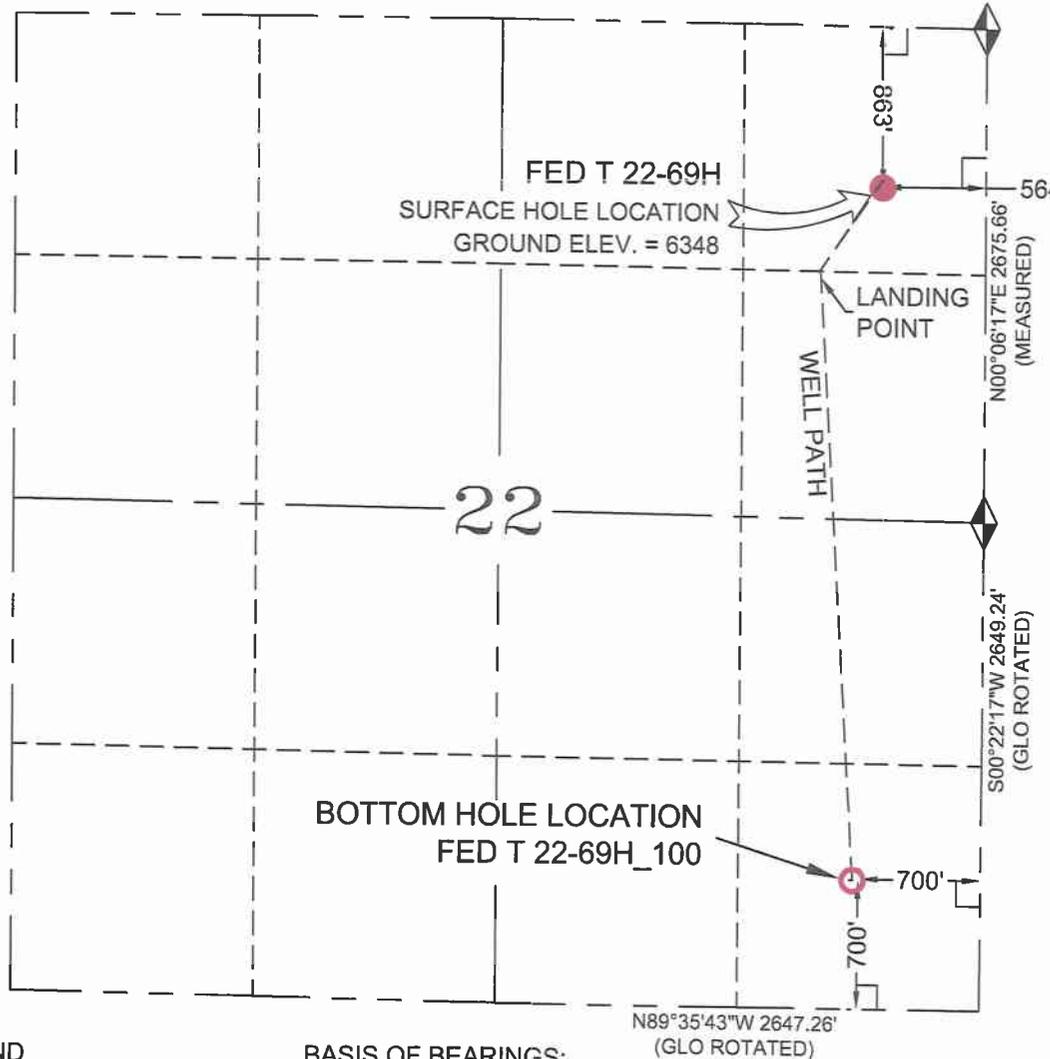
NAME (PLEASE PRINT) Richard L. Redus	PHONE NUMBER 303 397-3712	TITLE Regulatory
SIGNATURE N/A		DATE 8/14/2013

Sundry Number: 41337 API Well Number: 43015304510000

TOWNSHIP 18 SOUTH, RANGE 7 EAST,  
SALT LAKE BASE & MERIDIAN



WELL LOCATION: FED T 22-69H  
NE 1/4, NE 1/4, SECTION 22, T18S, R7E, S.L.B.&M., EMERY COUNTY, UTAH.

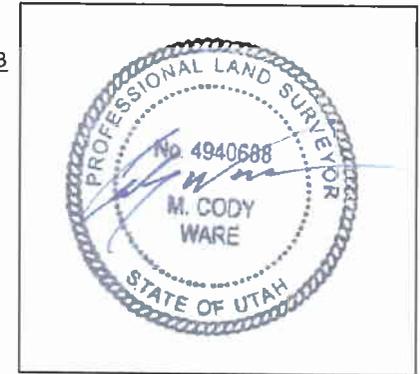


THE BASIS OF ELEVATION USED FOR THIS SURVEY IS 6060.89 FEET AT THE NORTHEAST CORNER OF SECTION 22, TOWNSHIP 18 SOUTH, RANGE 7 EAST, SALT LAKE BASE AND MERIDIAN, AS SHOWN ON THE EMERY COUNTY SECTION CORNER COORDINATE DATA SHEET.

**CERTIFICATE OF SURVEY**

I, M. CODY WARE, DO HEREBY CERTIFY THAT I AM A REGISTERED LAND SURVEYOR, LICENSE NO. 4940688 AS PRESCRIBED BY THE LAWS OF THE STATE OF UTAH. I FURTHER CERTIFY THAT I HAVE MADE A SURVEY OF THE LOCATION SHOWN AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

DATE: AUGUST 12, 2013

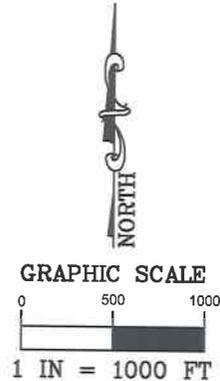


**LEGEND**

- FOUND MONUMENT
- WELL HEAD (SURFACE)
- BOTTOM HOLE LOCATION
- 90° SYMBOL

**BASIS OF BEARINGS:**  
BASIS OF BEARINGS IS A G.P.S. OBSERVATION

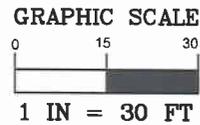
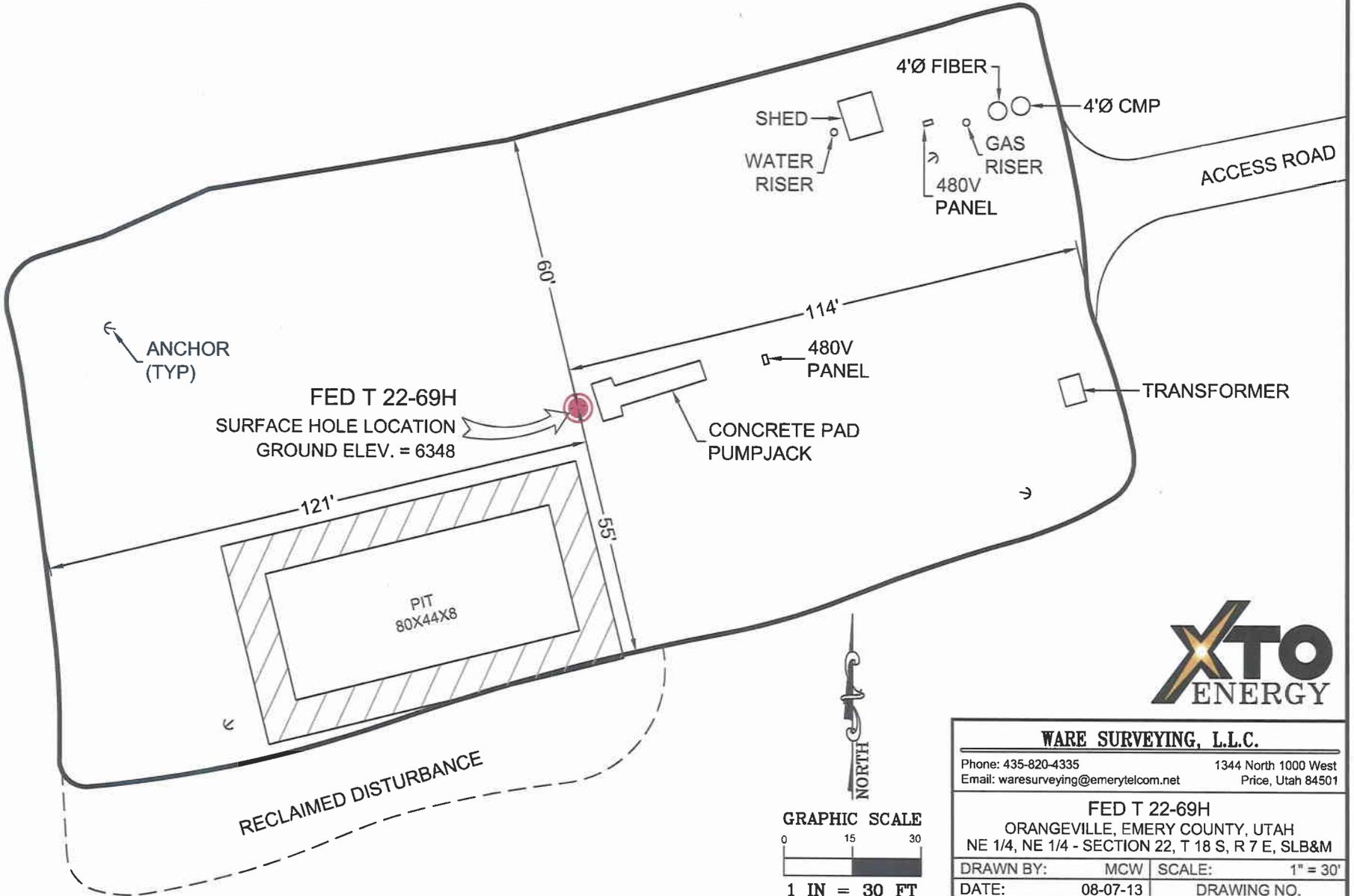
**GEODETIC COORDINATES:**  
SURFACE LOCATION (NAD 1983)  
LAT.: 39°14'48.42" N (39.246783)  
LONG.: 111°06'59.43" W (111.116508) (NAD 1927)  
LAT.: 39°14'54.68" N (39.248522)  
LONG.: 111°07'01.52" W (111.117089)



<b>WARE SURVEYING, L.L.C.</b>	
Phone: 435-820-4335	1344 North 1000 West
Email: waresurveying@emerytelcom.net	Price, Utah 84501
<b>FED T 22-69H</b>	
ORANGEVILLE, EMERY COUNTY, UTAH	
NE 1/4, NE 1/4 - SECTION 22, T 18 S, R 7 E, SLB&M	
DRAWN BY: MCW	SCALE: 1" = 1000'
DATE: 08-12-13	
REVISIONS: 3	DRAWING NO. P-1

RECEIVED: Aug. 14, 2013

Sundry Number: 41337 API Well Number: 43015304510000



**WARE SURVEYING, L.L.C.**

Phone: 435-820-4335 1344 North 1000 West  
 Email: waresurveying@emerytelcom.net Price, Utah 84501

**FED T 22-69H**  
 ORANGEVILLE, EMERY COUNTY, UTAH  
 NE 1/4, NE 1/4 - SECTION 22, T 18 S, R 7 E, SLB&M

DRAWN BY:	MCW	SCALE:	1" = 30'
DATE:	08-07-13	DRAWING NO.	AS-BUILT
REVISIONS:	1		

RECEIVED: Aug. 14, 2013



PO Box 1589, Sidney, MT 59270

**Drilling Plan - Re-enter, Drill, Complete & Equip Single Lateral Wellbore in the Ferron Coal**

**Well Name and Location**

Fed T 22-69H\_100

Location: NE NE Sec 22, 18S-7E

Footage: 863 ft FNL & 564 ft FEL

Elev: Graded Pad 6348', KB 6368'

Emery County, UT

Latitude	39.246783	North
Longitude	111.116508	West

Formation Tops	TVD
Emery Sandstone	40
Emery A Marker	940
Ferron Sandstone	3,030
<b>Ferron Coal 100 Target</b>	<b>3,183</b>

**Logging, DST and Coring Program**

1. A mud log will be run from KOP to TD & on all laterals: Mudlog to include: total gas chromatograph and sample cuttings - 30' sample intervals  
An MWD GR/ROP log will also be run from KOP to TD of lateral.
2. Open hole logs are Not anticipated
3. No DST's are planned at this time.

**H2S**

No H2S has been found, reported or known to exist

**Maximum Formation Pressure and Temp**

1. Sub-Normal formation pressure gradient is expected (.3 psi/ft or 5.8 ppg) through target interval
2. The maximum anticipated BHT is 100 degrees F. or less.

**BOP Equipment Requirements**

See attached diagram detailing BOPE specifications.

1. Rig will be equipped with upper and lower kelly cocks with handles available.
2. Inside BOP and TIW valves will be available to use on all sizes and threads of DP used on well.
3. BOP accumulator will have enough capacity to close HCR valve, close all rams plus annular preventer & retain minimum of 200 psi above precharge on the closing manifold without the use of closing pumps. The fluid reservoir capacity shall be at least double the usable fluid volume of the accumulator system capacity & the fluid level shall be maintained at manufacturer's recommendation. There will be 2 additional sources of power for the closing pumps (electric and air). Sufficient N2 bottles will be available and will be recharged when pressure falls below manufacturer's minimum
4. BOP ram preventers will be tested to 3,000 psi for 10 minutes using a test plug when initially installed and at 30 day intervals. Test BOP & casing strings to .22 psi/ft (or 1500 psi minimum) for 30 minutes, prior to drilling out casing. Function test rams and hydraulically operated remote choke line valve daily (preferably at every crew change).
5. Remote valve for BOP rams, HCR & choke shall be placed in a location that is readily available to Driller. The remote BOP valve shall be capable of closing and opening the rams.
6. Hand wheels on BOP shall be equipped with locking devices. A locking device shall be placed on annular preventer line valve & must be locked in the open position. This lock shall only be removed when the closing unit is inoperative.
7. BOP shall be tested when - a.) Initially installed b.) Any seal is broken or BOP is repaired c.) Previous test exceeds 30 days

**Drilling Fluid and Related Equipment**

1. Pumps shall be equipped with stroke counters with displays located in dog house. Slow pump speed shall be recorded on drilling report daily after mudding up.
2. A Pit Volume Totalizer will be installed and the readout will be displayed in the dog house.
3. Gas detecting equipment (for a chromatograph) will be installed at shaker. Readouts will be available in dog house and in geologist trailer.
4. In the event gas flow becomes an issue. A flare pit shall be constructed not less than 100' from wellhead & 50' from cuttings handling area. Lines to the flare pit will be straight runs (staked down) and turns will utilize targeted tees. Flare pit will be located down wind as much as possible. An electronic ignitor will be used along with a propane line to provide for a continuous flare pilot.

**Drilling Plan**

**Section 1 - Original Hole >>**

Casing:	5.5" 17# N-80 LT&C			<b>Set at: 3,505 ft</b>					
	Top	Btm	Ftg	Size	Wt	Grade	Conn	<b>Collapse</b>	<b>Burst</b>
	0	3,505	3,505	5 1/2"	17	N-80	LTC	<b>6,280</b>	<b>7,740</b>
	<i>Minimum Safety Factors:</i>							<b>4.13</b>	<b>8.06</b>

<b>Load assumptions:</b>
<b>Collapse:</b> full casing evacuation with fresh water external gradient
<b>Burst:</b> Maximum expected BHP with no external gradient

**Section 2 - Drill Curve (10 Degree/100' >> 2,611 to: 3,571 Landing Point**

Hole Size:	4 3/4"
Mud:	2% KCl, 8.4ppg
BHA:	Bit, Mud Motor, MWD
Procedure:	Before Drilling Curve: Test Casing for 30 min to <u>1500</u> psi

Set whipstock and mill casing window. TOH. PU curve BHA.  
Drill Curve per directional plan (maximum survey interval is 30').  
MWD GR/ROP. Mud log.

Logs:

**Section 4 - Lateral #1>>**

**3,571 to: 6,726 TD (MD)**

Hole Size: 4 3/4"

Mud: 2% KCl, 8.4ppg

Bits: Bit, Mud Motor, MWD

Procedure: TIH w/bit and directional tools. Drill open hole lateral per directional plan to TD target. Max survey interval in lateral is 90'.  
TOH with DP & BHA. Run Casing.

Liner: **4" 11.35# L-80 Ultra Flush Joint Pre-Perfed Liner and release in lateral**

**Top: Btm:**

**2,621 - KOP 6,726 <- spaced out as close to TD as possible**

Logs: MWD GR/ROP. Mud log.

**Finalize Well >>>>** Circulate clean. Set Wireline retrievable Packer. Retrieve whip stock. LD DP. ND BOP and NU tree. RDMO.

Prepared By: Cole Walton

**HORIZONTAL DRILLING PLAN - LATERAL NO.1**

Company <b>XTO Energy, Inc</b>				Target Inclination <b>90</b>					
Well <b>Fed T 22-69H_100</b>				Magnetic Declination					
Build Rate <b>10.00</b>				Target TVD <b>3,183</b>					
Relative Turn Direction <b>L</b>				Target Azimuth					
Turn Rate - Deg/100 <b>4.00</b> 15.24 Total Turn				182.31		193.73		Nudge Azimuth	
Csg Tangent <b>40.00</b>				193.73		KOP Az			
Lat Tangent <b>150.00</b>				152 W		3762 S		3,765 VS	
Target Coordinates from Surf Locn									

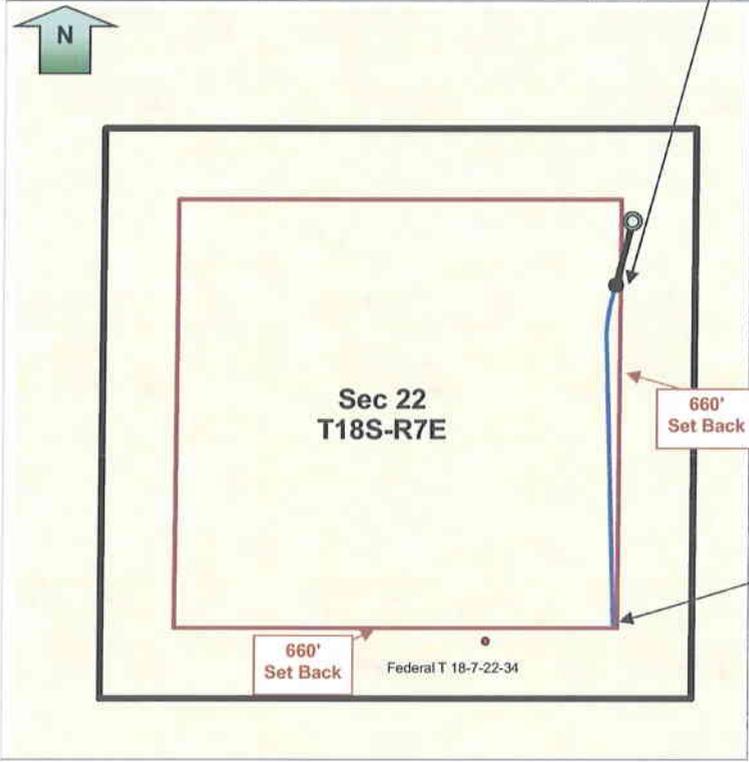
Date	No.	DEPTH	INC.	AZM	C.L.	T.V.D.	V.S.	N/S	E/W	DLS	B./D.	Walk	BRN
	1	0	0.000	0.00		0.00	0.00	0.00 N	0.00 E	0.00			0.00
	2				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	#DIV/0!	0.00
	3				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	#DIV/0!	0.00
	4				2501.0	2501.04	0.00	0.00 N	0.00 E	0.00	0.00	0.00	8.40
	5				100.0	2601.04	0.00	0.00 N	0.00 E	0.00	0.00	-193.73	9.85
KOP1	6	2,611	0.00	193.73	10.0	2611.04	0.00	0.00 N	0.00 E	0.00	0.00	1937.32	10.02
	7	2,629	1.80	193.73	18.0	2629.04	0.28	0.27 S	0.07 W	10.00	10.00	0.00	10.02
	8	2,647	3.60	193.73	18.0	2647.02	1.11	1.10 S	0.27 W	10.00	10.00	0.00	10.02
	9	2,665	5.40	193.73	18.0	2664.96	2.49	2.47 S	0.60 W	10.00	10.00	0.00	10.02
	10	2,683	7.20	193.73	18.0	2682.85	4.43	4.39 S	1.07 W	10.00	10.00	0.00	10.02
	11	2,701	9.00	193.73	18.0	2700.67	6.91	6.85 S	1.67 W	10.00	10.00	0.00	10.02
	12	2,719	10.80	193.73	18.0	2718.40	9.95	9.86 S	2.41 W	10.00	10.00	0.00	10.02
	13	2,737	12.60	193.73	18.0	2736.03	13.53	13.40 S	3.28 W	10.00	10.00	0.00	10.02
	14	2,755	14.40	193.73	18.0	2753.53	17.64	17.49 S	4.27 W	10.00	10.00	0.00	10.02
	15	2,773	16.20	193.73	18.0	2770.89	22.30	22.10 S	5.40 W	10.00	10.00	0.00	10.02
	16	2,791	18.00	193.73	18.0	2788.10	27.49	27.24 S	6.66 W	10.00	10.00	0.00	10.03
	17	2,809	19.80	193.73	18.0	2805.12	33.20	32.90 S	8.04 W	10.00	10.00	0.00	10.03
	18	2,827	21.60	193.73	18.0	2821.96	39.44	39.09 S	9.55 W	10.00	10.00	0.00	10.03
	19	2,845	23.40	193.73	18.0	2838.59	46.19	45.78 S	11.19 W	10.00	10.00	0.00	10.03
	20	2,863	25.20	193.73	18.0	2855.00	53.45	52.97 S	12.94 W	10.00	10.00	0.00	10.03
	21	2,881	27.00	193.73	18.0	2871.16	61.21	60.66 S	14.82 W	10.00	10.00	0.00	10.03
	22	2,899	28.80	193.73	18.0	2887.07	69.47	68.85 S	16.82 W	10.00	10.00	0.00	10.03
	23	2,917	30.60	193.73	18.0	2902.70	78.21	77.51 S	18.94 W	10.00	10.00	0.00	10.04
	24	2,935	32.40	193.73	18.0	2918.05	87.43	86.64 S	21.17 W	10.00	10.00	0.00	10.04
	25	2,953	34.20	193.73	18.0	2933.09	97.11	96.24 S	23.52 W	10.00	10.00	0.00	10.04
	26	2,971	36.00	193.73	18.0	2947.82	107.26	106.30 S	25.97 W	10.00	10.00	0.00	10.04
	27	2,989	37.80	193.73	18.0	2962.21	117.85	116.80 S	28.54 W	10.00	10.00	0.00	10.05
	28	3,007	39.60	193.73	18.0	2976.26	128.88	127.73 S	31.21 W	10.00	10.00	0.00	10.05
	29	3,025	41.40	193.73	18.0	2989.95	140.34	139.08 S	33.98 W	10.00	10.00	0.00	10.05
	30	3,043	43.20	193.73	18.0	3003.26	152.22	150.85 S	36.86 W	10.00	10.00	0.00	10.06
	31	3,061	45.00	193.73	18.0	3016.18	164.49	163.02 S	39.83 W	10.00	10.00	0.00	10.06
	32	3,079	46.80	193.73	18.0	3028.71	177.16	175.58 S	42.90 W	10.00	10.00	0.00	10.06
	33	3,097	48.60	193.73	18.0	3040.82	190.21	188.51 S	46.06 W	10.00	10.00	0.00	10.07
	34	3,115	50.40	193.73	18.0	3052.51	203.63	201.80 S	49.31 W	10.00	10.00	0.00	10.08
	35	3,133	52.20	193.73	18.0	3063.77	217.40	215.45 S	52.64 W	10.00	10.00	0.00	10.08
	36	3,151	54.00	193.73	18.0	3074.57	231.51	229.43 S	56.06 W	10.00	10.00	0.00	10.09
	37	3,169	55.80	193.73	18.0	3084.92	245.94	243.74 S	59.56 W	10.00	10.00	0.00	10.10
	38	3,187	57.60	193.73	18.0	3094.81	260.69	258.35 S	63.13 W	10.00	10.00	0.00	10.11
	39	3,205	59.40	193.73	18.0	3104.21	275.73	273.26 S	66.77 W	10.00	10.00	0.00	10.13
	40	3,223	61.20	193.73	18.0	3113.13	291.06	288.45 S	70.48 W	10.00	10.00	0.00	10.14
	41	3,241	63.00	193.73	18.0	3121.55	306.65	303.90 S	74.26 W	10.00	10.00	0.00	10.16
	42	3,259	64.80	193.73	18.0	3129.47	322.49	319.60 S	78.09 W	10.00	10.00	0.00	10.19
	43	3,277	66.60	193.73	18.0	3136.88	338.57	335.54 S	81.99 W	10.00	10.00	0.00	10.22
	44	3,295	68.40	193.73	18.0	3143.76	354.87	351.69 S	85.94 W	10.00	10.00	0.00	10.25
	45	3,313	70.20	193.73	18.0	3150.13	371.38	368.05 S	89.93 W	10.00	10.00	0.00	10.30
	46	3,331	72.00	193.73	18.0	3155.96	388.07	384.59 S	93.97 W	10.00	10.00	0.00	10.37
	47	3,349	73.80	193.73	18.0	3161.25	404.93	401.30 S	98.06 W	10.00	10.00	0.00	10.46
	48	3,367	75.60	193.73	18.0	3166.00	421.95	418.17 S	102.18 W	10.00	10.00	0.00	10.59
	49	3,385	77.40	193.73	18.0	3170.20	439.11	435.17 S	106.33 W	10.00	10.00	0.00	10.78
	50	3,403	79.20	193.73	18.0	3173.85	456.38	452.29 S	110.52 W	10.00	10.00	0.00	11.09
	51	3,421	81.00	193.73	18.0	3176.95	473.76	469.51 S	114.72 W	10.00	10.00	0.00	11.65
	52	3,439	82.80	193.73	18.0	3179.48	491.23	486.82 S	118.95 W	10.00	10.00	0.00	12.84
	53	3,457	84.60	193.73	18.0	3181.46	508.77	504.20 S	123.20 W	10.00	10.00	0.00	16.48
	54	3,475	86.40	193.73	18.0	3182.87	526.35	521.63 S	127.46 W	10.00	10.00	0.00	86.57
	55	3,493	88.20	193.73	18.0	3183.72	543.98	539.10 S	131.73 W	10.00	10.00	0.00	-3.94
END OF CURVE	56	3,511	90.00	193.73	18.0	3184.00	561.62	556.58 S	136.00 W	10.00	10.00	0.00	0.00
CASING SHOE	57	3,551	90.00	193.73	40	3184.00	600.83	595.44 S	145.49 W	0.00	0.00	0.00	0.00
START TURN	58	3,701	90.00	193.73	150	3184.00	747.86	741.15 S	181.10 W	0.00	0.00	0.00	0.00
	59	3,709	90.00	193.43	7.62	3184.00	755.33	748.56 S	182.89 W	4.00	0.00	-4.00	0.00
	60	3,716	90.00	193.12	7.62	3184.00	762.81	755.97 S	184.64 W	4.00	0.00	-4.00	0.00
	61	3,724	90.00	192.82	7.62	3184.00	770.30	763.40 S	186.35 W	4.00	0.00	-4.00	0.00
	62	3,732	90.00	192.51	7.62	3184.00	777.79	770.83 S	188.02 W	4.00	0.00	-4.00	0.00
	63	3,739	90.00	192.21	7.62	3184.00	785.30	778.28 S	189.65 W	4.00	0.00	-4.00	0.00
	64	3,747	90.00	191.90	7.62	3184.00	792.81	785.73 S	191.24 W	4.00	0.00	-4.00	0.00
	65	3,754	90.00	191.60	7.62	3184.00	800.32	793.19 S	192.79 W	4.00	0.00	-4.00	0.00
	66	3,762	90.00	191.29	7.62	3184.00	807.85	800.65 S	194.31 W	4.00	0.00	-4.00	0.00
	67	3,770	90.00	190.99	7.62	3184.00	815.38	808.13 S	195.78 W	4.00	0.00	-4.00	0.00
	68	3,777	90.00	190.68	7.62	3184.00	822.91	815.61 S	197.21 W	4.00	0.00	-4.00	0.00
	69	3,785	90.00	190.38	7.62	3184.00	830.45	823.10 S	198.60 W	4.00	0.00	-4.00	0.00
	70	3,792	90.00	190.07	7.62	3184.00	838.00	830.60 S	199.96 W	4.00	0.00	-4.00	0.00
	71	3,800	90.00	189.77	7.62	3184.00	845.55	838.11 S	201.27 W	4.00	0.00	-4.00	0.00
	72	3,808	90.00	189.46	7.62	3184.00	853.11	845.62 S	202.54 W	4.00	0.00	-4.00	0.00
	73	3,815	90.00	189.16	7.62	3184.00	860.67	853.14 S	203.78 W	4.00	0.00	-4.00	0.00
	74	3,823	90.00	188.86	7.62	3184.00	868.24	860.67 S	204.97 W	4.00	0.00	-4.00	0.00

75	3,831	90.00	188.55	7.62	3184.00	875.81	868.20 S	206.12 W	4.00	0.00	-4.00	0.00	
76	3,838	90.00	188.25	7.62	3184.00	883.39	875.73 S	207.23 W	4.00	0.00	-4.00	0.00	
77	3,846	90.00	187.94	7.62	3184.00	890.97	883.28 S	208.31 W	4.00	0.00	-4.00	0.00	
78	3,853	90.00	187.64	7.62	3184.00	898.55	890.83 S	209.34 W	4.00	0.00	-4.00	0.00	
79	3,861	90.00	187.33	7.62	3184.00	906.14	898.38 S	210.33 W	4.00	0.00	-4.00	0.00	
80	3,869	90.00	187.03	7.62	3184.00	913.73	905.94 S	211.28 W	4.00	0.00	-4.00	0.00	
81	3,876	90.00	186.72	7.62	3184.00	921.33	913.51 S	212.20 W	4.00	0.00	-4.00	0.00	
82	3,884	90.00	186.42	7.62	3184.00	928.93	921.08 S	213.07 W	4.00	0.00	-4.00	0.00	
83	3,892	90.00	186.11	7.62	3184.00	936.53	928.65 S	213.90 W	4.00	0.00	-4.00	0.00	
84	3,899	90.00	185.81	7.62	3184.00	944.13	936.23 S	214.69 W	4.00	0.00	-4.00	0.00	
85	3,907	90.00	185.50	7.62	3184.00	951.74	943.81 S	215.44 W	4.00	0.00	-4.00	0.00	
86	3,914	90.00	185.20	7.62	3184.00	959.35	951.40 S	216.15 W	4.00	0.00	-4.00	0.00	
87	3,922	90.00	184.89	7.62	3184.00	966.96	958.99 S	216.82 W	4.00	0.00	-4.00	0.00	
88	3,930	90.00	184.59	7.62	3184.00	974.57	966.58 S	217.45 W	4.00	0.00	-4.00	0.00	
89	3,937	90.00	184.28	7.62	3184.00	982.18	974.18 S	218.04 W	4.00	0.00	-4.00	0.00	
90	3,945	90.00	183.98	7.62	3184.00	989.80	981.78 S	218.59 W	4.00	0.00	-4.00	0.00	
91	3,952	90.00	183.67	7.62	3184.00	997.42	989.38 S	219.10 W	4.00	0.00	-4.00	0.00	
92	3,960	90.00	183.37	7.62	3184.00	1005.03	996.98 S	219.57 W	4.00	0.00	-4.00	0.00	
93	3,968	90.00	183.06	7.62	3184.00	1012.65	1004.59 S	219.99 W	4.00	0.00	-4.00	0.00	
94	3,975	90.00	182.76	7.62	3184.00	1020.27	1012.20 S	220.38 W	4.00	0.00	-4.00	0.00	
95	3,983	90.00	182.45	7.62	3184.00	1027.89	1019.81 S	220.73 W	4.00	0.00	-4.00	0.00	
96	3,991	90.00	182.15	7.62	3184.00	1035.51	1027.43 S	221.03 W	4.00	0.00	-4.00	0.00	
97	3,998	90.00	181.85	7.62	3184.00	1043.13	1035.04 S	221.30 W	4.00	0.00	-4.00	0.00	
98	4,006	90.00	181.54	7.62	3184.00	1050.75	1042.66 S	221.52 W	4.00	0.00	-4.00	0.00	
99	4,013	90.00	181.24	7.62	3184.00	1058.37	1050.27 S	221.71 W	4.00	0.00	-4.00	0.00	
100	4,021	90.00	180.93	7.62	3184.00	1065.99	1057.89 S	221.85 W	4.00	0.00	-4.00	0.00	
101	4,029	90.00	180.63	7.62	3184.00	1073.60	1065.51 S	221.96 W	4.00	0.00	-4.00	0.00	
102	4,036	90.00	180.32	7.62	3184.00	1081.22	1073.13 S	222.02 W	4.00	0.00	-4.00	0.00	
103	4,044	90.00	180.02	7.62	3184.00	1088.83	1080.75 S	222.04 W	4.00	0.00	-4.00	0.00	
104	4,052	90.00	179.71	7.62	3184.00	1096.44	1088.37 S	222.02 W	4.00	0.00	-4.00	0.00	
105	4,059	90.00	179.41	7.62	3184.00	1104.05	1095.99 S	221.96 W	4.00	0.00	-4.00	0.00	
106	4,067	90.00	179.10	7.62	3184.00	1111.66	1103.61 S	221.87 W	4.00	0.00	-4.00	0.00	
107	4,074	90.00	178.80	7.62	3184.00	1119.27	1111.22 S	221.73 W	4.00	0.00	-4.00	0.00	
END TURN	108	4,082	90.00	178.49	7.62	3184.00	1126.87	1118.84 S	221.55 W	4.00	0.00	-4.00	0.00
TD	109	6,726	90.00	178.49	2644.07	3184.00	3765.07	3762 S	152 W	0.00	0.00	0.00	0.00
OPEN HOLE PAY													
3,175													

**DIRECTIONAL DRILLING PLAN**  
**Fed T 22-69H\_100**  
 Location: NE NE Sec 22, 18S-7E  
 Footage: 863 ft FNL 564 ft FEL  
 Elev: Graded Pad 6348', KB 6368'  
 Emery County, UT  
 Scale: 1 sq = 100'



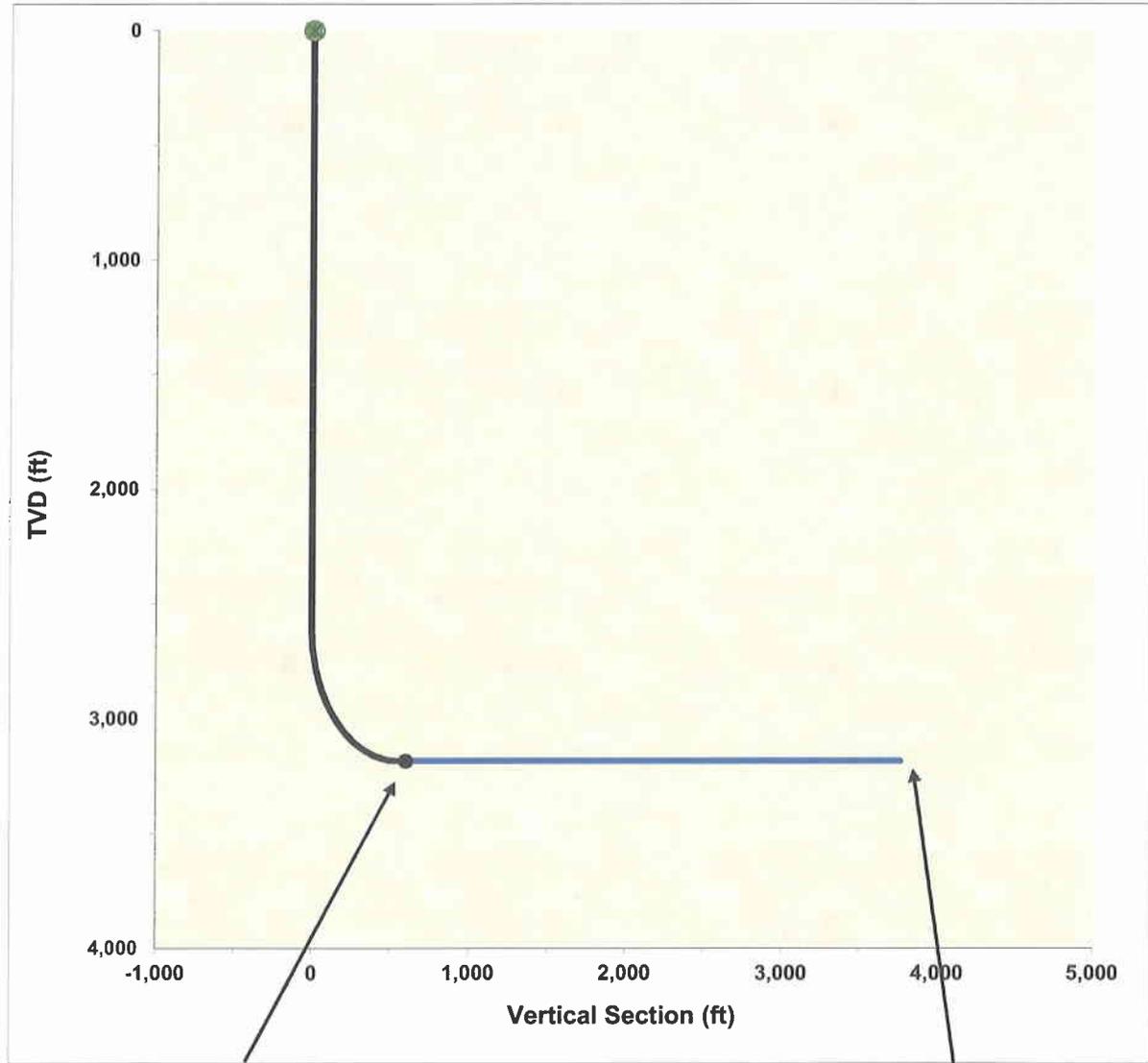
Landing	3,551	FT MD
BHL:	2,684 ft FEL	268 ft FNL
Coord:	145 W	595 S
Az to Shoe:	193.73	Deg



TARGET			
TMD:	6,726 ft		
TVD:	3,184 ft		
3,762	SOW	152	WOW
700	FSL	700	FEL
WH to BH Target Az			182.31



**DIRECTIONAL DRILLING PLAN**  
**Fed T 22-69H\_100**  
**Location:** NE NE Sec 22, 18S-7E  
**Footage:** 863 ft FNL                      564 ft FEL  
**Elev:** Graded Pad 6348', KB 6368'  
**Emery County, UT**  
**Scale: 1 sq = 500'**



Landing	3,551	FT MD
BHL:	2,684 ft FEL	268 ft FNL
Coord:	145 W	595 S
Az to Shoe:	193.73	Deg

TARGET		
TMD:	6,726	ft
TVD:	3,184	ft
3,762	SOW	152 WOW
700	FSL	700 FEL
WH to BH Target Az	182.31	

**Title Info**

Well Name	<b>Fed T 22-69H_100</b>	
Created	<b>7/26/2013</b>	
Hearing Date		
HOC X-Ref		
AFE#		
State	UT	
County	Emery	
Township	18S	
Range	7E	
Sec 1 - Spacing Unit	22	
Sec 2 - Spacing Unit	22, 18S-7E	
Rig	E	A,B,C,D,E,F
Surface Quarter/Quarter	NE NE	
Well Head Footage	863	ft FNL
Well Head Footage	564	ft FEL
Pad Elevation from Sea Level	6,348	
KB Height (from Ground)	20	
KB Elevation (From Sea Level)	6,368	
Well Head Latitude	39.246783	N
Well Head Longitude	111.116508	W
Geodetic System	US STATE PLANE 1983	
Geodetic Datum	NAD 83	
Map Zone		
Well Design	Re-enter, Drill, Complete & Equip Single Lateral Wellbore in the <b>Ferron Coal</b>	
Driving Directions		

**Legend**

Yellow	Data from Lat #1 Plan
Green	Geo Inputs
Orange	Survey Plats
None	Other Inputs
Red	Outputs

Loc of Surf Location (Sec, Twn, Rng)

**Geologic Info**

Formation	Top (FSL)	Depth	Target	Comment
Emery Sandstone	6328	40	150	Surface Pipe Depth
Emery A Marker	5,428	940		
Lower Bluegate Shale Marker	5,188	1,180	680	Top of lead cmt
Ferron Sandstone	3,338	3,030		
<b>Ferron Coal 100 Target</b>	<b>3,185</b>	<b>3,183</b>	<b>#REF!</b>	<b>BLS - Target</b>

**Electric Logs**

	Bottom	Top
GR, Resistivity, BHC Sonic	TD	Surf Csg
Density - Neutron Porosity	TD	50' above Tyler

} IF REQUIRED BY THE STATE!

**Drilling Information**

Rig Contractor	H & P	
Rig Number	448	
Kickoff Point	2,611	FT, MD
End of Build	3,511	FT, MD
7" Casing point	3,551	FT, MD

Lateral #1	Target			
	Feet	Reference	Feet	Reference
	3,762	SOW	152	WOW
	Feet	Reference	Feet	Reference

NOW = NORTH OF WELL, WOW = WEST OF WELL

Lateral #1	700	FSL	700	FEL
FNL, FWL, FEL, FSL				
	<b>TD (MD)</b>	<b>P RATE (ft/day)</b>	<b>7" Csg Pt</b>	<b>Ft of Lateral</b>
Lateral #1	6,726		3,551	3,175

Actual				
	Feet	Reference	Feet	Reference
Lateral #1				
NOW = NORTH OF WELL, WOW = WEST OF WELL				
	Feet	Reference	Feet	Reference
Lateral #1				
FNL, FWL, FEL, FSL				
	TD (MD)	P RATE (ft/day)	7" Csg Pt	Ft of Lateral
Lateral #1				

**GEOLOGIC PROGNOSIS**

WELL NAME: Fed T 22-69H\_100 PROSPECT: Ferron Coal Play  
 COUNTY: Emery STATE: Utah  
 SURFACE LOCATION: NE NE Sec 22, 18S-7E  
 BOTTOM HOLE LOCATION - S Leg : SE SE Sec 22, 18S-7E

ELEVATION: Ground: 6,348 KB: 6,368  
 API # Reference Well:  
 NDIC Permit #: Fed T 22-69H  
 XTO

KB Elev.: 6,358

**ESTIMATED TOPS:**

	TVD		ACTUAL		DEEP REFERENCE WELL	
	DEPTH	ELEV.	DEPTH	ELEV.	DEPTH	ELEV.
*Prospective Pay						
Emery Sandstone	40	6,328			30	6,328
Emery A Marker	940	5,428			930	5,428
Lower Bluegate Shale Marker	1,180	5,188			1,170	5,188
Ferron Sandstone	3,030	3,338			3,020	3,338
<b>Ferron Coal 100 Target</b>	<b>3,183</b>	<b>3,185</b>			<b>3,173</b>	<b>3,185</b>
End of Lateral Target	3,138	3,230			3,128	3,230

**DRILLING PROGRAM:** Drill 1 horizontal leg in Ferron Coal  
**SAMPLE PROGRAM:** Catch 30' samples  
**CORE PROGRAM:** None planned  
**DRILL STEM TESTS:** None planned  
**MUD SYSTEM:** Air Mist  
**MUD LOGGING:** Run total gas and chromatograph and plot drilling rate  
 Describe all samples.  
**LOGGING PROGRAM:** MWD Gamma Ray in build & horizontal hole  
 Open hole Logs are not planned

**CALL MORNING REPORT TO:** Jim Kwolek

**SERVICE COMPANIES:** The following service companies will be used in conjunction with this well.  
 Testing: None planned  
 Coring: None planned  
 Directional & MWD: To be determined.  
 Open-Hole Logging: Non Planned

**GENERAL INFORMATION:**  
 Anytime there is a question in your mind concerning the well, no matter what the time of day, please call.  
 Notify the Geologist of any DEPTH MEASUREMENT CORRECTIONS OR UNUSUAL HOLE DEVIATIONS.

**XTO ENERGY REPRESENTATIVES:**

**RIG SUPERVISOR:** Cole Walton (303) 397-3718 (Office)  
 (405) 420-5910 (Cell)  
**DRILLING SUPERINTENDENT:** Bobby Jackson 505-486-4706 (Cell)  
 303-397-3720 (Office)  
**ENGINEER:** Cole Walton (303) 397-3718 (Office)  
 (405) 420-5910 (Cell)  
**GEOLOGISTS:** James Kolek 817-885-1216 (Office)

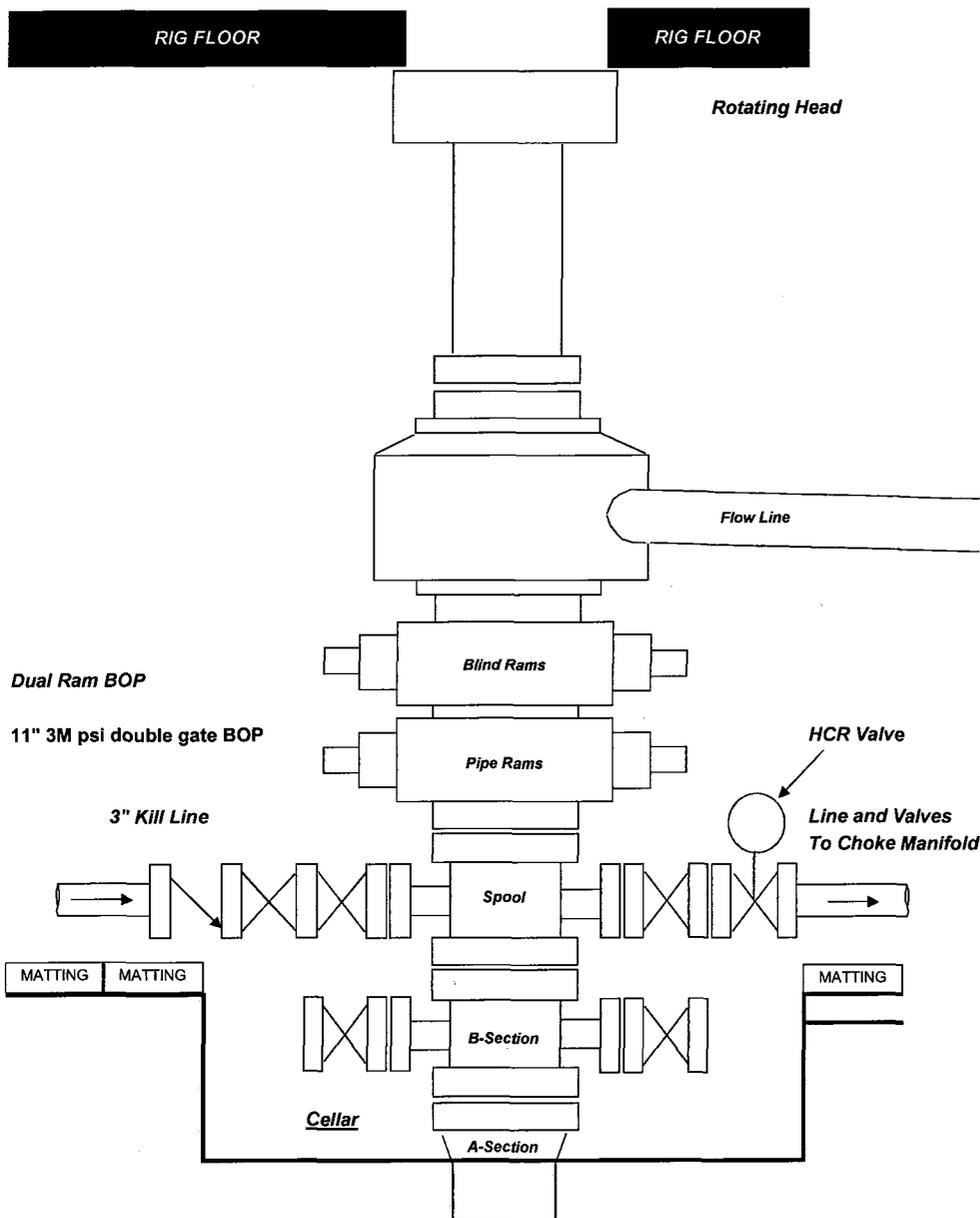
**HORIZONTAL DRILLING PLAN - LATERAL NO.1**

Company XTO Energy, Inc		Target Inclination		90									
Well Fed T 22-69H_100		Magnetic Declination											
Build Rate 14.00		Target TVD		3,183									
Relative Turn Direction		Target Azimuth		182.31	193.73								
Turn Rate - Deg/100		Target Coordinates from Surf Locn		152 W	3762 S								
				3,765 VS									
Date	No.	DEPTH	INC.	AZM	C.L.	T.V.D.	V.S.	N/S	E/W	DLS	B./D.	Walk	BRN
	1	0				0.00	0.00	0.00 N	0.00 E	0.00			0.00
Tie In @	2				0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
Surface Csg	3				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	4				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	5				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	6				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	7				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	8				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	9				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	10				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	11				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	12				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	13				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	14				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	15				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	16				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	17				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	18				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	19				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	20				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	21				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	22				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	23				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	24				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	25				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	26				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	27				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	28				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	29				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	30				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	31				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	32				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	33				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	34				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	35				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	36				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	37				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	38				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	39				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	40				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	41				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	42				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	43				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	44				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	45				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	46				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	47				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	48				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	49				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	50				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	51				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	52				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	53				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	54				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	55				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	56				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	57				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	58				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	59				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	60				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	61				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	62				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	63				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	64				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	65				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	66				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	67				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	68				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	69				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	70				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	71				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	72				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	73				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	74				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	75				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	76				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00

77				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
78				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
79				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
80				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
81				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
82				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
83				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
84				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
85				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
86				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
87				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
88				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
89				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
90				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
91				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
92				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
93				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
94				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
95				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
96				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
97				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
98				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
99				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
100				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
101				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
102				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
103				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
104				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
105				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
106				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
107				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
108				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
109				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
110				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00

**XTO Energy, Inc.**  
**BOP STACK DIAGRAM**

**Fed T 22-69H 100**  
Location: NE NE Sec 22, 18S-7E  
Footage: 863 ft FNL & 564 ft FEL  
Elev: Graded Pad 6348', KB 6368'  
Emery County, UT



Sundry Number: 41337 API Well Number: 43015304510000

**XTO Energy, Inc.**  
**CHOKE MANIFOLD DRAWING**

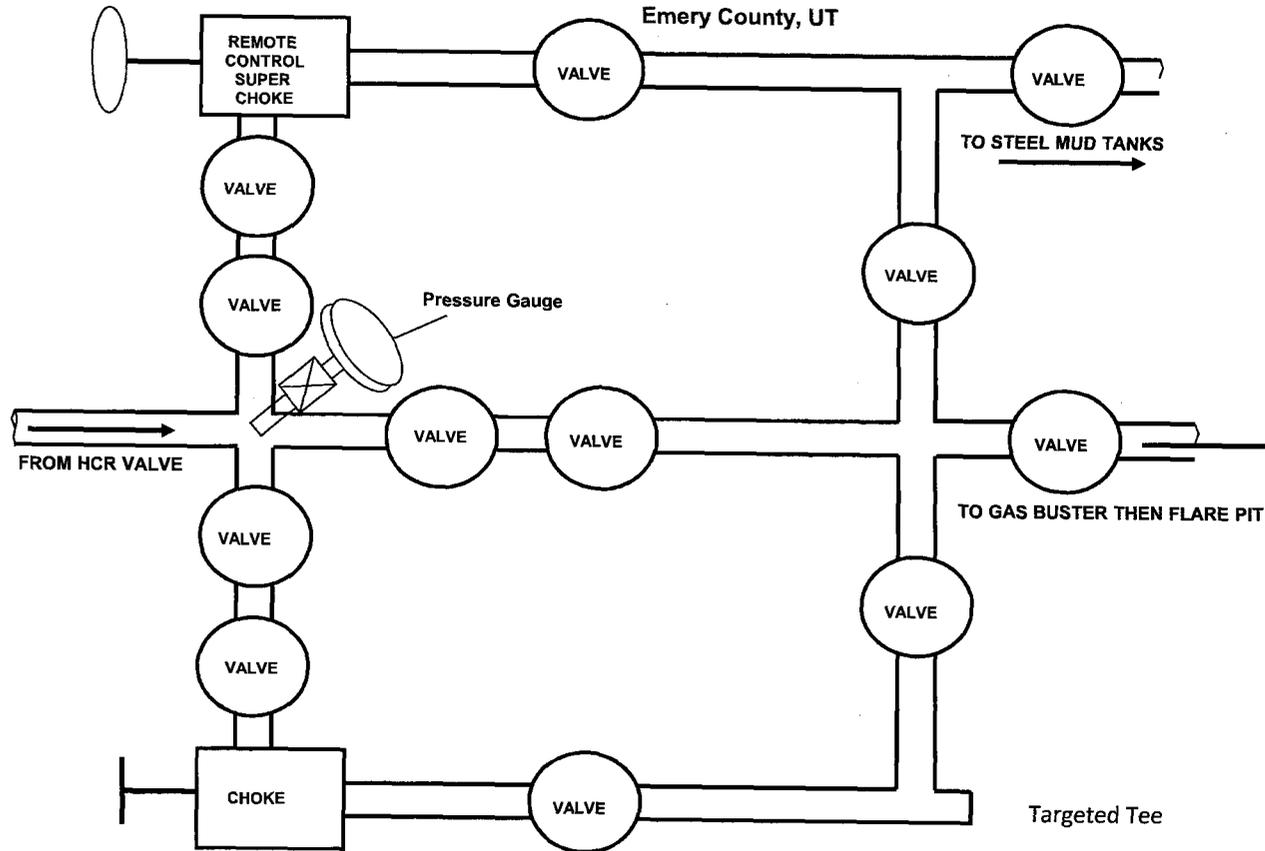
**Fed T 22-69H 100**

Location: NE NE Sec 22, 18S-7E

Footage: 863 ft FNL & 564 ft FEL

Elev: Graded Pad 6348', KB 6368'

Emery County, UT



RECEIVED: Aug. 14, 2013

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 08/14/2013

API NO. ASSIGNED: 43-015-30451

WELL NAME: FEDERAL T 22-69  
 OPERATOR: XTO ENERGY INC ( N2615 )  
 CONTACT: RICHARD REDUS

PHONE NUMBER: 303-397-3712

PROPOSED LOCATION:

NENE 22 180S 070E  
 SURFACE: 0863 FNL 0564 FEL  
 BOTTOM: 0700 FSL 0700 FEL  
 COUNTY: EMERY  
 LATITUDE: 39.24677 LONGITUDE: -111.11650  
 UTM SURF EASTINGS: 489947 NORTHINGS: 4344167  
 FIELD NAME: BUZZARD BENCH ( 132 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology	✓	
Surface		

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-68538  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: FRNCL  
 COALBED METHANE WELL? YES

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 579173 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. MUNICIPAL )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- 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: 245-1  
Eff Date: 7-7-1999  
Siting: 460' fr outer being to 920' fr *460' fr well.*
- \_\_\_ R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

*1. Section Approval  
2. HORIZONTAL*



**API Number: 4301530451**  
**Well Name: FEDERAL T 22-69**  
**Township T18.0S Range R07.0E Section 22**  
**Meridian: SLBM**  
**Operator: XTO ENERGY INC**

Map Prepared:  
 Map Produced by Diana Mason

**Units**

STATUS	UNIT
ACTIVE	PP OIL
EXPLORATORY	PP GAS
GAS STORAGE	PP GEOTHERM
NP PP OIL	PP OIL
NP SECONDARY	PP GAS
PI OIL	PP GEOTHERM
PP GAS	PP OIL
PP GEOTHERM	SECONDARY
PP OIL	TERMINATED





GARY R. HERBERT  
Governor

GREGORY S. BELL  
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 21, 2013

XTO Energy Inc  
PO Box 6501  
Englewood, CO 80155

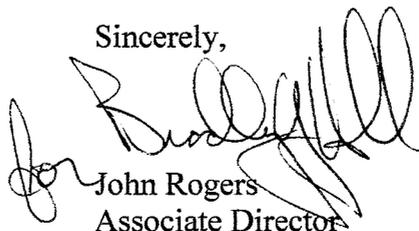
Subject: Federal T 22-69 Well, Surface Location 863' FNL, 564' FEL, NE NE, Sec. 22, T. 18 South, R. 7 East, Bottom Location 700' FSL, 700' FEL, SE SE, Sec. 22, T. 18 South, R. 7 East, Emery County, Utah

Ladies and Gentlemen:

Pursuant to Utah Code Ann§40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause: 245-1. The expected producing formation or pool is the Ferron Coal Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

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 43-015-30451.

Sincerely,



John Rogers  
Associate Director

JR/BGH/js  
Enclosures

cc: Emery County Assessor  
Bureau of Land Management, Price Office

**Operator:** XTO Energy Inc  
**Well Name & Number** Federal T 22-69  
**API Number:** 43-015-30451  
**Lease:** UTU-68538

**Surface Location:** NE NE      **Sec. 22**      **T. 18 South**      **R. 7 East**  
**Bottom Location:** SE SE      **Sec. 22**      **T. 18 South**      **R. 7 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 actions during drilling of this well:

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please let a voicemail message if not available)

OR

Submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office  
(801) 733-0983 after office hours

#### 3. Reporting Requirements

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5<sup>th</sup> day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

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

FORM 6

**ENTITY ACTION FORM**

Operator: Petroglyph Operating Company Operator Account Number: N 3800  
 Address: P.O. Box 607  
city Roosevelt  
state UT zip 84066 Phone Number: (435) 722-2531

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301351541	Ute Tribal 12-10-E4		NWSE	12	5S	4W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	12464	8/22/2013		8/30/2013		
Comments: Please add well to existing 12-16-E4 Tank Battery. GRRV <span style="float: right; font-weight: bold; font-size: 1.2em;">CONFIDENTIAL</span>							

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)

RECEIVED  
AUG 27 2013

Rodrigo Jurado  
 Name (Please Print) \_\_\_\_\_  
  
 Signature \_\_\_\_\_  
 Regulatory Compliance Spc      8/23/2013  
 Title      Date

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-68538
<b>SUNDRY NOTICES AND REPORTS ON WELLS</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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL T 22-69
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43015304510000
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155	<b>PHONE NUMBER:</b> 303 397-3727 Ext
<b>9. FIELD and POOL or WILDCAT:</b> BUZZARD BENCH	<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0863 FNL 0564 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 22 Township: 18.0S Range: 07.0E Meridian: S
	<b>COUNTY:</b> EMERY  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>11/5/2013</b>	<input type="checkbox"/> ACIDIZE	<input checked="" type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<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 OR 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"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

XTO is submitting this sundry to notify the State Of Utah of our plans to change the casing size.

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

Date: October 08, 2013

By: *David K. Quist*

<b>NAME (PLEASE PRINT)</b> Richard L. Redus	<b>PHONE NUMBER</b> 303 397-3712	<b>TITLE</b> Regulatory
<b>SIGNATURE</b> N/A		<b>DATE</b> 10/3/2013



**Drilling Plan - Re-enter, Drill, Complete & Equip Single Lateral Wellbore in the Ferron Coal**

**Well Name and Location**

**SOU II 36-95\_100**

Location: NW NE Sec 36, 17S-7E

Footage: 300 ft FNL & 1910 ft FEL

Elev: Graded Pad 7064', KB 7076'

Emery County, UT

Latitude	39.306836	North
Longitude	111.084281	West

**Formation Tops**

**TVD**

Emery Sandstone	588
Emery A Marker	1,492
Ferron Sandstone	3,630
<b>Ferron Coal 100 Target</b>	<b>3,786</b>

**Logging, DST and Coring Program**

1. A mud log will be run from KOP to TD & on all laterals: Mudlog to include: total gas chromatograph and sample cuttings - 30' sample intervals  
An MWD GR/ROP log will also be run from KOP to TD of lateral.
2. Open hole logs are Not anticipated
3. No DST's are planned at this time.

**H2S**

No H2S has been found, reported or known to exist

**Maximum Formation Pressure and Temp**

1. Sub-Normal formation pressure gradient is expected (.3 psi/ft or 5.8 ppg) through target interval
2. The maximum anticipated BHT is 100 degrees F. or less.

**BOP Equipment Requirements**

*See attached diagram detailing BOPE specifications.*

1. Rig will be equipped with upper and lower kelly cocks with handles available.
2. Inside BOP and TIW valves will be available to use on all sizes and threads of DP used on well.
3. BOP accumulator will have enough capacity to close HCR valve, close all rams plus annular preventer & retain minimum of 200 psi above precharge on the closing manifold without the use of closing pumps. The fluid reservoir capacity shall be at least double the usable fluid volume of the accumulator system capacity & the fluid level shall be maintained at manufacturer's recommendation. There will be 2 additional sources of power for the closing pumps (electric and air). Sufficient N2 bottles will be available and will be recharged when pressure falls below manufacturer's minimum
4. BOP ram preventers will be tested to 3,000 psi for 10 minutes using a test plug when initially installed and at 30 day intervals. Test BOP & casing strings to .22 psi/ft (or 1500 psi minimum) for 30 minutes, prior to drilling out casing. Function test rams and hydraulically operated remote choke line valve daily (preferably at every crew change).
5. Remote valve for BOP rams, HCR & choke shall be placed in a location that is readily available to Driller. The remote BOP valve shall be capable of closing and opening the rams.
6. Hand wheels on BOP shall be equipped with locking devices. A locking device shall be placed on annular preventer line valve & must be locked in the open position. This lock shall only be removed when the closing unit is inoperative.
7. BOP shall be tested when - a.) Initially installed b.) Any seal is broken or BOP is repaired c.) Previous test exceeds 30 days

**Drilling Fluid and Related Equipment**

1. Pumps shall be equipped with stroke counters with displays located in dog house. Slow pump speed shall be recorded on drilling report daily after mudding up.
2. A Pit Volume Totalizer will be installed and the readout will be displayed in the dog house.
3. Gas detecting equipment (for a chromatograph) will be installed at shaker. Readouts will be available in dog house and in geologist trailer.
4. In the event gas flow becomes an issue. A flare pit shall be constructed not less than 100' from wellhead & 50' from cuttings handling area. Lines to the flare pit will be straight runs (staked down) and turns will utilize targeted tees. Flare pit will be located down wind as much as possible. An electronic ignitor will be used along with a propane line to provide for a continuous flare pilot.

**Drilling Plan**

**Section 1 - Original Hole >>**

Casing:	5.5" 17# P-110 LT&C				Set at:		3,953 ft		
	Top	Btm	Ftg	Size	Wt	Grade	Conn	Collapse	Burst
	0	3,953	3,953	5 1/2"	17	P-110	LTC	7,460	10,640
	Minimum Safety Factors:							4.35	9.32

**Load assumptions:**  
Collapse: full casing evacuation with fresh water external gradient

**Burst: Maximum expected BHP with no external gradient**

**Section 2 - Drill Curve (7 Degree/100' )>> 2,967 to: 4,313 Landing Point**

Hole Size: 4 3/4"  
Mud: 2% KCl, 8.4ppg  
BHA: Bit, Mud Motor, MWD  
Procedure: Before Drilling Curve: Test Casing for 30 min to 1500 psi  
Set whipstock and mill casing window. TOH. PU curve BHA.  
Drill Curve per directional plan (maximum survey interval is 30').  
Logs: MWD GR/ROP. Mud log.

**Section 4 - Lateral #1>> 4,313 to: 7,686 TD (MD)**

Hole Size: 4 3/4"  
Mud: 2% KCl, 8.4ppg  
Bits: Bit, Mud Motor, MWD  
Procedure: TIH w/bit and directional tools. Drill open hole lateral per directional plan to TD target. Max survey interval in lateral is 90'.  
TOH with DP & BHA. Run Casing with liner top hanger. TIH to KOP w/ liner top, drop ball, wait 30 min, and set hanger.  
Liner: 4" 11.35# L-80 Ultra Flush Joint Pre-Perfed Liner  
Top: Btm:  
2,977 - KOP 7,686 ← spaced out as close to TD as possible  
Logs: MWD GR/ROP. Mud log.

**Finalize Well >>>>** Circulate clean. Set Wireline retrievable Packer. LD DP. ND BOP and NU tree. RDMO.

Prepared By: Cole Walton

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-68538
<b>SUNDRY NOTICES AND REPORTS ON WELLS</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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL T 22-69
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>9. API NUMBER:</b> 43015304510000
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155	<b>PHONE NUMBER:</b> 303 397-3727 Ext
<b>9. FIELD and POOL or WILDCAT:</b> BUZZARD BENCH	<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0863 FNL 0564 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 22 Township: 18.0S Range: 07.0E Meridian: S
	<b>COUNTY:</b> EMERY  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>12/1/2013</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input checked="" type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<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 OR 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"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

XTO is requesting to go back to the original drilling plans and sundry that was submitted on 8/14/2013 and approved on 8/21/2013.

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

**Date:** November 05, 2013

**By:** *David K. Quist*

<b>NAME (PLEASE PRINT)</b> Richard L. Redus	<b>PHONE NUMBER</b> 303 397-3712	<b>TITLE</b> Regulatory
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/23/2013	

# TOWNSHIP 18 SOUTH, RANGE 7 EAST, SALT LAKE BASE & MERIDIAN



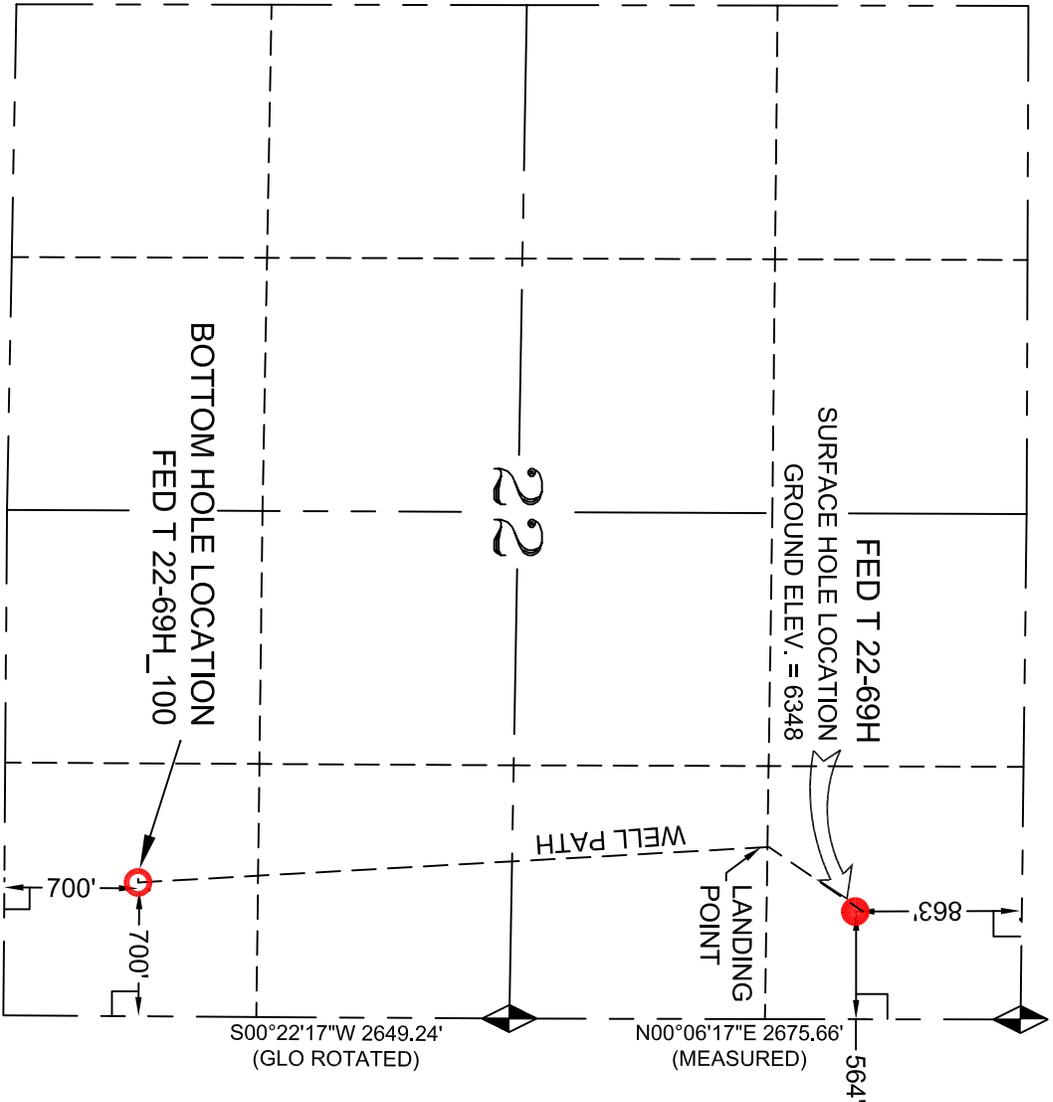
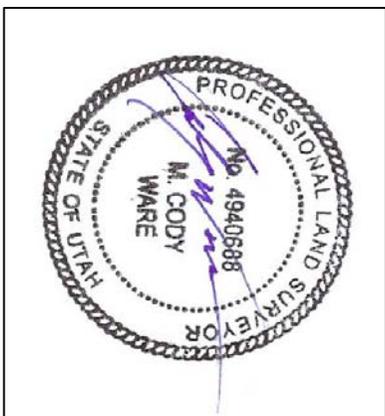
WELL LOCATION: FED T 22-69H  
NE 1/4, NE 1/4, SECTION 22, T18S, R7E, S.L.B.&M., EMERY  
COUNTY, UTAH.

THE BASIS OF ELEVATION USED FOR THIS SURVEY IS 6060.89  
FEET AT THE NORTHEAST CORNER OF SECTION 22, TOWNSHIP  
18 SOUTH, RANGE 7 EAST, SALT LAKE BASE AND MERIDIAN, AS  
SHOWN ON THE EMERY COUNTY SECTION CORNER  
COORDINATE DATA SHEET.

### CERTIFICATE OF SURVEY

I, M. CODY WARE, DO HEREBY CERTIFY THAT I AM A REGISTERED  
LAND SURVEYOR, LICENSE NO. 4940688 AS PRESCRIBED BY THE  
LAWS OF THE STATE OF UTAH. I FURTHER CERTIFY THAT I HAVE  
MADE A SURVEY OF THE LOCATION SHOWN AND THAT IT IS TRUE  
AND CORRECT TO THE BEST OF MY KNOWLEDGE.

DATE: AUGUST 12, 2013



### LEGEND

- FOUND MONUMENT
- WELL HEAD (SURFACE)
- BOTTOM HOLE LOCATION
- 90° SYMBOL

### BASIS OF BEARINGS:

N89°35'43\"/>

### GEODETIC COORDINATES:

**SURFACE LOCATION**  
(NAD 1983)  
LAT.: 39°14'48.42\"/>

### GRAPHIC SCALE



### WARE SURVEYING, L.L.C.

Phone: 435-820-4335  
Email: waresurveying@emerytelcom.net  
1344 North 1000 West  
Pine, Utah 84501

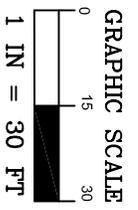
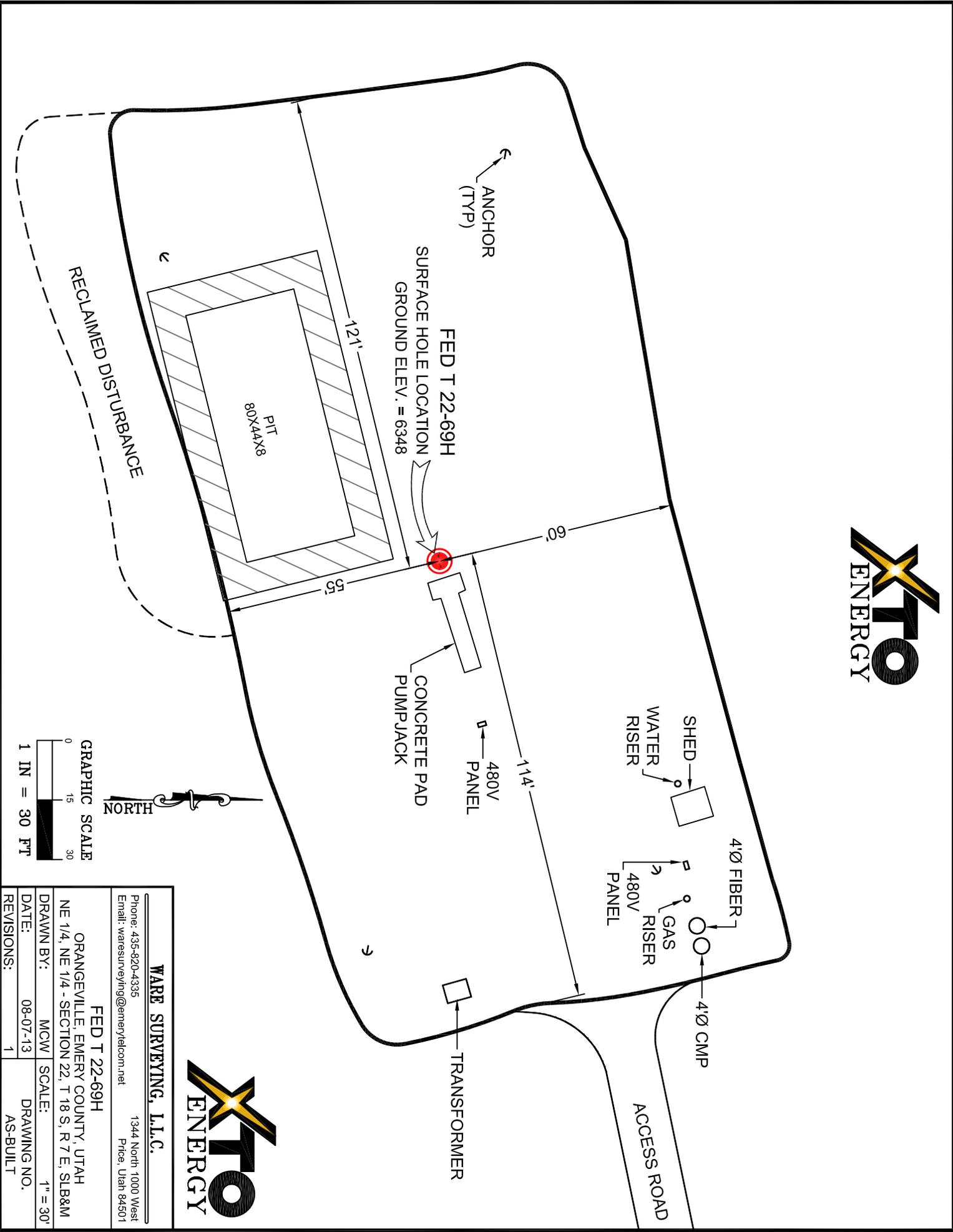
FED T 22-69H

ORANGEVILLE, EMERY COUNTY, UTAH  
NE 1/4, NE 1/4 - SECTION 22, T 18 S, R 7 E, SLB&M

DRAWN BY: MCW SCALE: 1" = 1000'

DATE: 08-12-13 DRAWING NO. P-1

REVISIONS: 3



<b>WARE SURVEYING, L.L.C.</b>	
Phone: 435-820-4335	1344 North 1000 West
Email: waresurveying@emerytelcom.net	Piute, Utah 84501
<b>FED T 22-69H</b>	
ORANGEVILLE, EMERY COUNTY, UTAH	
NE 1/4, NE 1/4 - SECTION 22, T 18 S, R 7 E, SLB&M	
DRAWN BY: MCW	SCALE: 1" = 30'
DATE: 08-07-13	DRAWING NO. AS-BUILT
REVISIONS: 1	





PO Box 1589, Sidney, MT 59270

**Drilling Plan - Re-enter, Drill, Complete & Equip Single Lateral Wellbore in the Ferron Coal**

**Well Name and Location**

**Fed T 22-69H\_100**

Location: NE NE Sec 22, 18S-7E

Footage: 863 ft FNL & 564 ft FEL

Elev: Graded Pad 6348', KB 6368'

Emery County, UT

<b>Latitude</b>	<b>39.246783</b>	<b>North</b>
<b>Longitude</b>	<b>111.116508</b>	<b>West</b>

**Formation Tops**

**TVD**

Emery Sandstone	40
Emery A Marker	940
Ferron Sandstone	3,030
<b>Ferron Coal 100 Target</b>	<b>3,183</b>

**Logging, DST and Coring Program**

1. A mud log will be run from KOP to TD & on all laterals: Mudlog to include: total gas chromatograph and sample cuttings - 30' sample intervals  
An MWD GR/ROP log will also be run from KOP to TD of lateral.
2. Open hole logs are Not anticipated
3. No DST's are planned at this time.

**H2S**

No H2S has been found, reported or known to exist

**Maximum Formation Pressure and Temp**

1. Sub-Normal formation pressure gradient is expected (.3 psi/ft or 5.8 ppg) through target interval
2. The maximum anticipated BHT is **100** degrees F. or less.

**BOP Equipment Requirements**

**See attached diagram detailing BOPE specifications.**

1. Rig will be equipped with upper and lower kelly cocks with handles available.
2. Inside BOP and TIW valves will be available to use on all sizes and threads of DP used on well.
3. BOP accumulator will have enough capacity to close HCR valve, close all rams plus annular preventer & retain minimum of 200 psi above precharge on the closing manifold without the use of closing pumps. The fluid reservoir capacity shall be at least double the usable fluid volume of the accumulator system capacity & the fluid level shall be maintained at manufacturer's recommendation. There will be 2 additional sources of power for the closing pumps (electric and air). Sufficient N2 bottles will be available and will be recharged when pressure falls below manufacturer's minimum
4. BOP ram preventers will be tested to 3,000 psi for 10 minutes using a test plug when initially installed and at 30 day intervals. Test BOP & casing strings to .22 psi/ft (or 1500 psi minimum) for 30 minutes, prior to drilling out casing. Function test rams and hydraulically operated remote choke line valve daily (preferably at every crew change).
5. Remote valve for BOP rams, HCR & choke shall be placed in a location that is readily available to Driller. The remote BOP valve shall be capable of closing and opening the rams.
6. Hand wheels on BOP shall be equipped with locking devices. A locking device shall be placed on annular preventer line valve & must be locked in the open position. This lock shall only be removed when the closing unit is inoperative.
7. BOP shall be tested when - a.) Initially installed b.) Any seal is broken or BOP is repaired c.) Previous test exceeds 30 days

**Drilling Fluid and Related Equipment**

1. Pumps shall be equipped with stroke counters with displays located in dog house. Slow pump speed shall be recorded on drilling report daily after mudding up.
2. A Pit Volume Totalizer will be installed and the readout will be displayed in the dog house.
3. Gas detecting equipment (for a chromatograph) will be installed at shaker. Readouts will be available in dog house and in geologist trailer.
4. In the event gas flow becomes an issue. A flare pit shall be constructed not less than 100' from wellhead & 50' from cuttings handling area. Lines to the flare pit will be straight runs (staked down) and turns will utilize targeted tees. Flare pit will be located down wind as much as possible. An electronic ignitor will be used along with a propane line to provide for a continuous flare pilot.

**Drilling Plan**

**Section 1 - Original Hole >>**

Casing:	5.5" 17# N-80 LT&C				<b>Set at:</b>		<b>3,505 ft</b>		
	Top	Btm	Ftg	Size	Wt	Grade	Conn	<b>Collapse</b>	<b>Burst</b>
	0	3,505	3,505	5 1/2"	17	N-80	LTC	<b>6,280</b>	<b>7,740</b>
					<i>Minimum Safety Factors:</i>			<b>4.13</b>	<b>8.06</b>

**Load assumptions:**  
**Collapse:** full casing evacuation with fresh water external gradient  
**Burst:** Maximum expected BHP with no external gradient

**Section 2 - Drill Curve (10 Degree/100' )>>**

**2,611 to: 3,571 Landing Point**

Hole Size:	4 3/4"
Mud:	2% KCl, 8.4ppg
BHA:	Bit, Mud Motor, MWD
Procedure:	Before Drilling Curve: Test Casing for 30 min to <u>1500</u> psi

Logs: Set whipstock and mill casing window. TOH. PU curve BHA.  
Drill Curve per directional plan (maximum survey interval is 30').  
MWD GR/ROP. Mud log.

**Section 4 - Lateral #1>>** **3,571 to: 6,726 TD (MD)**

Hole Size: 4 3/4"  
Mud: 2% KCl, 8.4ppg  
Bits: Bit, Mud Motor, MWD  
Procedure: TIH w/bit and directional tools. Drill open hole lateral per directional plan to TD target. Max survey interval in lateral is 90'.  
TOH with DP & BHA. Run Casing.  
Liner: **4" 11.35# L-80 Ultra Flush Joint Pre-Perfed Liner and release in lateral**  
**Top: 2,621 - KOP Btm: 6,726 <-- spaced out as close to TD as possible**

Logs: MWD GR/ROP. Mud log.

**Finalize Well >>>>** Circulate clean. Set Wireline retrievable Packer. Retrieve whip stock. LD DP. ND BOP and NU tree. RDMO.

Prepared By: Cole Walton

### HORIZONTAL DRILLING PLAN - LATERAL NO.1

Company XTO Energy, Inc				Target Inclination <b>90</b>		
Well Fed T 22-69H_100				Magnetic Declination		
Build Rate	<b>10.00</b>			Target TVD 3,183		
Relative Turn Direction	<b>L</b>			Target Azimuth <b>182.31</b> <b>193.73</b> <b>Nudge Azimuth</b>		
Turn Rate - Deg/100	<b>4.00</b>	<b>15.24</b>	<b>Total Turn</b>		<b>193.73</b> <b>KOP Az</b>	
Csg Tangent	<b>40.00</b>				Target Coordinates from Surf Locn <b>152 W</b> <b>3762 S</b> <b>3,765 VS</b>	
Lat Tangent	<b>150.00</b>					

Date	No.	DEPTH	INC.	AZM	C.L.	T.V.D.	V.S.	N/S	E/W	DLS	B/D.	Walk	BRN
	1	0	0.000	0.00		0.00	0.00	0.00 N	0.00 E	0.00			0.00
	2	0	0.00	193.73	0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	#DIV/0!	0.00
	3	0	0.00	193.73	0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	#DIV/0!	0.00
	4	2,501	0.00	193.73	2501.0	2501.04	0.00	0.00 N	0.00 E	0.00	0.00	0.00	8.40
	5	2,601	0.00	0.00	100.0	2601.04	0.00	0.00 N	0.00 E	0.00	0.00	-193.73	9.85
KOP1	6	2,611	0.00	193.73	10.0	2611.04	0.00	0.00 N	0.00 E	0.00	0.00	1937.32	10.02
	7	2,629	1.80	193.73	18.0	2629.04	0.28	0.27 S	0.07 W	10.00	10.00	0.00	10.02
	8	2,647	3.60	193.73	18.0	2647.02	1.11	1.10 S	0.27 W	10.00	10.00	0.00	10.02
	9	2,665	5.40	193.73	18.0	2664.96	2.49	2.47 S	0.60 W	10.00	10.00	0.00	10.02
	10	2,683	7.20	193.73	18.0	2682.85	4.43	4.39 S	1.07 W	10.00	10.00	0.00	10.02
	11	2,701	9.00	193.73	18.0	2700.67	6.91	6.85 S	1.67 W	10.00	10.00	0.00	10.02
	12	2,719	10.80	193.73	18.0	2718.40	9.95	9.86 S	2.41 W	10.00	10.00	0.00	10.02
	13	2,737	12.60	193.73	18.0	2736.03	13.53	13.40 S	3.28 W	10.00	10.00	0.00	10.02
	14	2,755	14.40	193.73	18.0	2753.53	17.64	17.49 S	4.27 W	10.00	10.00	0.00	10.02
	15	2,773	16.20	193.73	18.0	2770.89	22.30	22.10 S	5.40 W	10.00	10.00	0.00	10.02
	16	2,791	18.00	193.73	18.0	2788.10	27.49	27.24 S	6.66 W	10.00	10.00	0.00	10.03
	17	2,809	19.80	193.73	18.0	2805.12	33.20	32.90 S	8.04 W	10.00	10.00	0.00	10.03
	18	2,827	21.60	193.73	18.0	2821.96	39.44	39.09 S	9.55 W	10.00	10.00	0.00	10.03
	19	2,845	23.40	193.73	18.0	2838.59	46.19	45.78 S	11.19 W	10.00	10.00	0.00	10.03
	20	2,863	25.20	193.73	18.0	2855.00	53.45	52.97 S	12.94 W	10.00	10.00	0.00	10.03
	21	2,881	27.00	193.73	18.0	2871.16	61.21	60.66 S	14.82 W	10.00	10.00	0.00	10.03
	22	2,899	28.80	193.73	18.0	2887.07	69.47	68.85 S	16.82 W	10.00	10.00	0.00	10.03
	23	2,917	30.60	193.73	18.0	2902.70	78.21	77.51 S	18.94 W	10.00	10.00	0.00	10.04
	24	2,935	32.40	193.73	18.0	2918.05	87.43	86.64 S	21.17 W	10.00	10.00	0.00	10.04
	25	2,953	34.20	193.73	18.0	2933.09	97.11	96.24 S	23.52 W	10.00	10.00	0.00	10.04
	26	2,971	36.00	193.73	18.0	2947.82	107.26	106.30 S	25.97 W	10.00	10.00	0.00	10.04
	27	2,989	37.80	193.73	18.0	2962.21	117.85	116.80 S	28.54 W	10.00	10.00	0.00	10.05
	28	3,007	39.60	193.73	18.0	2976.26	128.88	127.73 S	31.21 W	10.00	10.00	0.00	10.05
	29	3,025	41.40	193.73	18.0	2989.95	140.34	139.08 S	33.98 W	10.00	10.00	0.00	10.05
	30	3,043	43.20	193.73	18.0	3003.26	152.22	150.85 S	36.86 W	10.00	10.00	0.00	10.06
	31	3,061	45.00	193.73	18.0	3016.18	164.49	163.02 S	39.83 W	10.00	10.00	0.00	10.06
	32	3,079	46.80	193.73	18.0	3028.71	177.16	175.58 S	42.90 W	10.00	10.00	0.00	10.06
	33	3,097	48.60	193.73	18.0	3040.82	190.21	188.51 S	46.06 W	10.00	10.00	0.00	10.07
	34	3,115	50.40	193.73	18.0	3052.51	203.63	201.80 S	49.31 W	10.00	10.00	0.00	10.08
	35	3,133	52.20	193.73	18.0	3063.77	217.40	215.45 S	52.64 W	10.00	10.00	0.00	10.08
	36	3,151	54.00	193.73	18.0	3074.57	231.51	229.43 S	56.06 W	10.00	10.00	0.00	10.09
	37	3,169	55.80	193.73	18.0	3084.92	245.94	243.74 S	59.56 W	10.00	10.00	0.00	10.10
	38	3,187	57.60	193.73	18.0	3094.81	260.69	258.35 S	63.13 W	10.00	10.00	0.00	10.11
	39	3,205	59.40	193.73	18.0	3104.21	275.73	273.26 S	66.77 W	10.00	10.00	0.00	10.13
	40	3,223	61.20	193.73	18.0	3113.13	291.06	288.45 S	70.48 W	10.00	10.00	0.00	10.14
	41	3,241	63.00	193.73	18.0	3121.55	306.65	303.90 S	74.26 W	10.00	10.00	0.00	10.16
	42	3,259	64.80	193.73	18.0	3129.47	322.49	319.60 S	78.09 W	10.00	10.00	0.00	10.19
	43	3,277	66.60	193.73	18.0	3136.88	338.57	335.54 S	81.99 W	10.00	10.00	0.00	10.22
	44	3,295	68.40	193.73	18.0	3143.76	354.87	351.69 S	85.94 W	10.00	10.00	0.00	10.25
	45	3,313	70.20	193.73	18.0	3150.13	371.38	368.05 S	89.93 W	10.00	10.00	0.00	10.30
	46	3,331	72.00	193.73	18.0	3155.96	388.07	384.59 S	93.97 W	10.00	10.00	0.00	10.37
	47	3,349	73.80	193.73	18.0	3161.25	404.93	401.30 S	98.06 W	10.00	10.00	0.00	10.46
	48	3,367	75.60	193.73	18.0	3166.00	421.95	418.17 S	102.18 W	10.00	10.00	0.00	10.59
	49	3,385	77.40	193.73	18.0	3170.20	439.11	435.17 S	106.33 W	10.00	10.00	0.00	10.78
	50	3,403	79.20	193.73	18.0	3173.85	456.38	452.29 S	110.52 W	10.00	10.00	0.00	11.09
	51	3,421	81.00	193.73	18.0	3176.95	473.76	469.51 S	114.72 W	10.00	10.00	0.00	11.65
	52	3,439	82.80	193.73	18.0	3179.48	491.23	486.82 S	118.95 W	10.00	10.00	0.00	12.84
	53	3,457	84.60	193.73	18.0	3181.46	508.77	504.20 S	123.20 W	10.00	10.00	0.00	16.48
	54	3,475	86.40	193.73	18.0	3182.87	526.35	521.63 S	127.46 W	10.00	10.00	0.00	86.57
	55	3,493	88.20	193.73	18.0	3183.72	543.98	539.10 S	131.73 W	10.00	10.00	0.00	-3.94
END OF CURVE	56	3,511	90.00	193.73	18.0	3184.00	561.62	556.58 S	136.00 W	10.00	10.00	0.00	0.00
CASING SHOE	57	3,551	90.00	193.73	40	3184.00	600.83	595.44 S	145.49 W	0.00	0.00	0.00	0.00
START TURN	58	3,701	90.00	193.73	150	3184.00	747.86	741.15 S	181.10 W	0.00	0.00	0.00	0.00
	59	3,709	90.00	193.43	7.62	3184.00	755.33	748.56 S	182.89 W	4.00	0.00	-4.00	0.00
	60	3,716	90.00	193.12	7.62	3184.00	762.81	755.97 S	184.64 W	4.00	0.00	-4.00	0.00
	61	3,724	90.00	192.82	7.62	3184.00	770.30	763.40 S	186.35 W	4.00	0.00	-4.00	0.00
	62	3,732	90.00	192.51	7.62	3184.00	777.79	770.83 S	188.02 W	4.00	0.00	-4.00	0.00
	63	3,739	90.00	192.21	7.62	3184.00	785.30	778.28 S	189.65 W	4.00	0.00	-4.00	0.00
	64	3,747	90.00	191.90	7.62	3184.00	792.81	785.73 S	191.24 W	4.00	0.00	-4.00	0.00
	65	3,754	90.00	191.60	7.62	3184.00	800.32	793.19 S	192.79 W	4.00	0.00	-4.00	0.00
	66	3,762	90.00	191.29	7.62	3184.00	807.85	800.65 S	194.31 W	4.00	0.00	-4.00	0.00
	67	3,770	90.00	190.99	7.62	3184.00	815.38	808.13 S	195.78 W	4.00	0.00	-4.00	0.00
	68	3,777	90.00	190.68	7.62	3184.00	822.91	815.61 S	197.21 W	4.00	0.00	-4.00	0.00
	69	3,785	90.00	190.38	7.62	3184.00	830.45	823.10 S	198.60 W	4.00	0.00	-4.00	0.00
	70	3,792	90.00	190.07	7.62	3184.00	838.00	830.60 S	199.96 W	4.00	0.00	-4.00	0.00
	71	3,800	90.00	189.77	7.62	3184.00	845.55	838.11 S	201.27 W	4.00	0.00	-4.00	0.00
	72	3,808	90.00	189.46	7.62	3184.00	853.11	845.62 S	202.54 W	4.00	0.00	-4.00	0.00
	73	3,815	90.00	189.16	7.62	3184.00	860.67	853.14 S	203.78 W	4.00	0.00	-4.00	0.00
	74	3,823	90.00	188.86	7.62	3184.00	868.24	860.67 S	204.97 W	4.00	0.00	-4.00	0.00

	75	3,831	90.00	188.55	7.62	3184.00	875.81	868.20 S	206.12 W	4.00	0.00	-4.00	0.00	
	76	3,838	90.00	188.25	7.62	3184.00	883.39	875.73 S	207.23 W	4.00	0.00	-4.00	0.00	
	77	3,846	90.00	187.94	7.62	3184.00	890.97	883.28 S	208.31 W	4.00	0.00	-4.00	0.00	
	78	3,853	90.00	187.64	7.62	3184.00	898.55	890.83 S	209.34 W	4.00	0.00	-4.00	0.00	
	79	3,861	90.00	187.33	7.62	3184.00	906.14	898.38 S	210.33 W	4.00	0.00	-4.00	0.00	
	80	3,869	90.00	187.03	7.62	3184.00	913.73	905.94 S	211.28 W	4.00	0.00	-4.00	0.00	
	81	3,876	90.00	186.72	7.62	3184.00	921.33	913.51 S	212.20 W	4.00	0.00	-4.00	0.00	
	82	3,884	90.00	186.42	7.62	3184.00	928.93	921.08 S	213.07 W	4.00	0.00	-4.00	0.00	
	83	3,892	90.00	186.11	7.62	3184.00	936.53	928.65 S	213.90 W	4.00	0.00	-4.00	0.00	
	84	3,899	90.00	185.81	7.62	3184.00	944.13	936.23 S	214.69 W	4.00	0.00	-4.00	0.00	
	85	3,907	90.00	185.50	7.62	3184.00	951.74	943.81 S	215.44 W	4.00	0.00	-4.00	0.00	
	86	3,914	90.00	185.20	7.62	3184.00	959.35	951.40 S	216.15 W	4.00	0.00	-4.00	0.00	
	87	3,922	90.00	184.89	7.62	3184.00	966.96	958.99 S	216.82 W	4.00	0.00	-4.00	0.00	
	88	3,930	90.00	184.59	7.62	3184.00	974.57	966.58 S	217.45 W	4.00	0.00	-4.00	0.00	
	89	3,937	90.00	184.28	7.62	3184.00	982.18	974.18 S	218.04 W	4.00	0.00	-4.00	0.00	
	90	3,945	90.00	183.98	7.62	3184.00	989.80	981.78 S	218.59 W	4.00	0.00	-4.00	0.00	
	91	3,952	90.00	183.67	7.62	3184.00	997.42	989.38 S	219.10 W	4.00	0.00	-4.00	0.00	
	92	3,960	90.00	183.37	7.62	3184.00	1005.03	996.98 S	219.57 W	4.00	0.00	-4.00	0.00	
	93	3,968	90.00	183.06	7.62	3184.00	1012.65	1004.59 S	219.99 W	4.00	0.00	-4.00	0.00	
	94	3,975	90.00	182.76	7.62	3184.00	1020.27	1012.20 S	220.38 W	4.00	0.00	-4.00	0.00	
	95	3,983	90.00	182.45	7.62	3184.00	1027.89	1019.81 S	220.73 W	4.00	0.00	-4.00	0.00	
	96	3,991	90.00	182.15	7.62	3184.00	1035.51	1027.43 S	221.03 W	4.00	0.00	-4.00	0.00	
	97	3,998	90.00	181.85	7.62	3184.00	1043.13	1035.04 S	221.30 W	4.00	0.00	-4.00	0.00	
	98	4,006	90.00	181.54	7.62	3184.00	1050.75	1042.66 S	221.52 W	4.00	0.00	-4.00	0.00	
	99	4,013	90.00	181.24	7.62	3184.00	1058.37	1050.27 S	221.71 W	4.00	0.00	-4.00	0.00	
	100	4,021	90.00	180.93	7.62	3184.00	1065.99	1057.89 S	221.85 W	4.00	0.00	-4.00	0.00	
	101	4,029	90.00	180.63	7.62	3184.00	1073.60	1065.51 S	221.96 W	4.00	0.00	-4.00	0.00	
	102	4,036	90.00	180.32	7.62	3184.00	1081.22	1073.13 S	222.02 W	4.00	0.00	-4.00	0.00	
	103	4,044	90.00	180.02	7.62	3184.00	1088.83	1080.75 S	222.04 W	4.00	0.00	-4.00	0.00	
	104	4,052	90.00	179.71	7.62	3184.00	1096.44	1088.37 S	222.02 W	4.00	0.00	-4.00	0.00	
	105	4,059	90.00	179.41	7.62	3184.00	1104.05	1095.99 S	221.96 W	4.00	0.00	-4.00	0.00	
	106	4,067	90.00	179.10	7.62	3184.00	1111.66	1103.61 S	221.87 W	4.00	0.00	-4.00	0.00	
	107	4,074	90.00	178.80	7.62	3184.00	1119.27	1111.22 S	221.73 W	4.00	0.00	-4.00	0.00	
	END TURN	108	4,082	90.00	178.49	7.62	3184.00	1126.87	1118.84 S	221.55 W	4.00	0.00	-4.00	0.00
	TD	109	6,726	90.00	178.49	2644.07	3184.00	3765.07	3762 S	152 W	0.00	0.00	0.00	0.00
	OPEN HOLE PAY													
	3,175													

**DIRECTIONAL DRILLING PLAN**

**Fed T 22-69H\_100**

Location: NE NE Sec 22, 18S-7E

Footage: 863 ft FNL 564 ft FEL

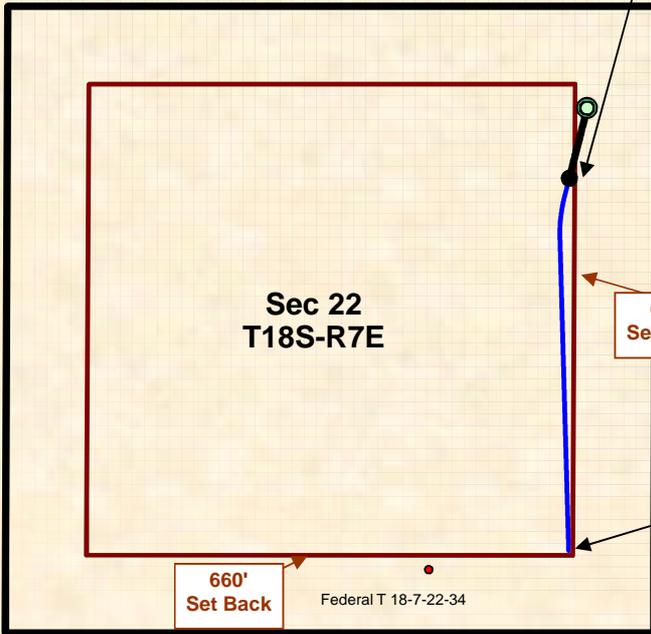
Elev: Graded Pad 6348', KB 6368'

Emery County, UT

Scale: 1 sq = 100'



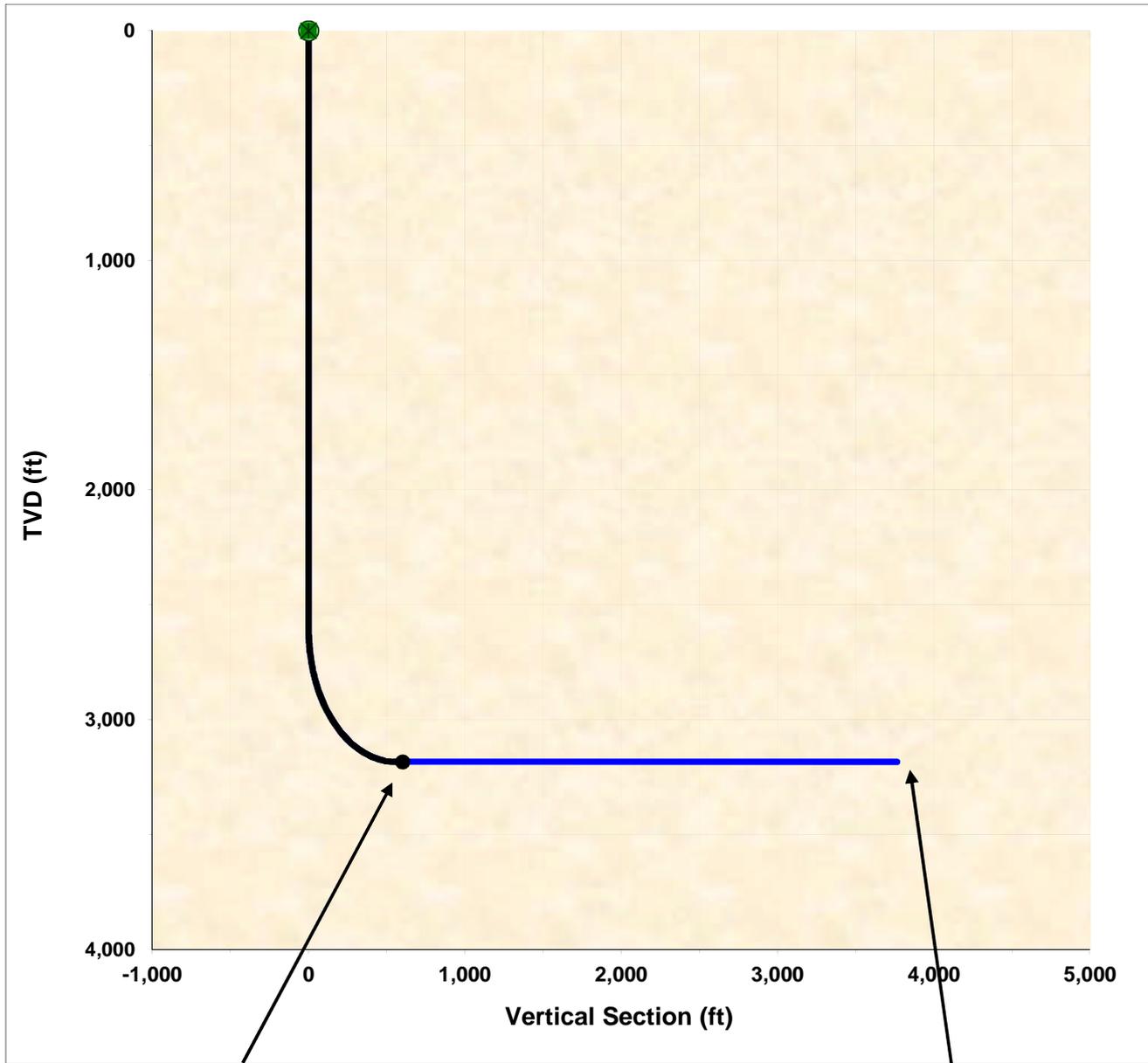
Landing	3,551	FT MD
BHL:	2,684 ft FEL	268 ft FNL
Coord:	145 W	595 S
Az to Shoe:	193.73	Deg



TARGET			
TMD:	6,726	ft	
TVD:	3,184	ft	
3,762	SOW	152	WOW
700	FSL	700	FEL
WH to BH Target Az		182.31	



**DIRECTIONAL DRILLING PLAN**  
**Fed T 22-69H\_100**  
 Location: NE NE Sec 22, 18S-7E  
 Footage: 863 ft FNL 564 ft FEL  
 Elev: Graded Pad 6348', KB 6368'  
 Emery County, UT  
 Scale: 1 sq = 500'



Landing	3,551	FT MD
BHL:	2,684 ft FEL	268 ft FNL
Coord:	145 W	595 S
Az to Shoe:	193.73	Deg

<b>TARGET</b>	
TMD:	6,726 ft
TVD:	3,184 ft
3,762 SOW	152 WOW
700 FSL	700 FEL
WH to BH Target Az	182.31

**Title Info**

**Legend**

Well Name	<b>Fed T 22-69H_100</b>	
<b>Created</b>	<b>7/26/2013</b>	
Hearing Date		
HOC X-Ref		
AFE#		
State	UT	
County	Emery	
Township	18S	
Range	7E	
Sec 1 - Spacing Unit	22	
Sec 2 - Spacing Unit		22, 18S-7E
Rig	E	A,B,C,D,E,F
Surface Quarter/Quarter	NE NE	
Well Head Footage	863	ft FNL
Well Head Footage	564	ft FEL
Pad Elevation from Sea Level	6,348	
KB Height (from Ground)	20	
KB Elevation (From Sea Level)	6,368	
Well Head Latitude	39.246783	N
Well Head Longitude	111.116508	W
Geodetic System	US STATE PLANE 1983	
Geodetic Datum	NAD 83	
Map Zone		
Well Design	Re-enter, Drill, Complete & Equip Single Lateral Wellbore in the <b>Ferron Coal</b>	
Driving Directions		

<b>Yellow</b>	Data from Lat #1 Plan
<b>Green</b>	Geo Inputs
<b>Orange</b>	Survey Plats
<b>None</b>	Other Inputs
<b>Red</b>	Outputs

Loc of Surf Location (Sec, Twn, Rng)

**Geologic Info**

Formation	Top (FSL)	Depth	Target	Comment
Emery Sandstone	6328	40	150	Surface Pipe Depth
Emery A Marker	5,428	940		
Lower Bluegate Shale Marker	5,188	1,180	680	Top of lead cmt
Ferron Sandstone	3,338	3,030		
<b>Ferron Coal 100 Target</b>	<b>3,185</b>	<b>3,183</b>	<b>#REF!</b>	<b>BLS - Target</b>

**Electric Logs**

	Bottom	Top
GR, Resistivity, BHC Sonic	TD	Surf Csg
Density - Neutron Porosity	TD	50' above Tyler

} IF REQUIRED BY THE STATE!

**Drilling Information**

Rig Contractor	H & P	
Rig Number	448	
Kickoff Point	2,611	FT, MD
End of Build	3,511	FT, MD
7" Casing point	3,551	FT, MD

Lateral #1	Target			
	Feet	Reference	Feet	Reference
	3,762	SOW	152	WOW
NOW = NORTH OF WELL, WOW = WEST OF WELL				
	Feet	Reference	Feet	Reference

Lateral #1	700	FSL	700	FEL
FNL, FWL, FEL, FSL				
	<b>TD (MD)</b>	<b>P RATE (ft/day)</b>	<b>7" Csg Pt</b>	<b>Ft of Lateral</b>
Lateral #1	6,726		3,551	3,175

Actual				
	Feet	Reference	Feet	Reference
Lateral #1				
NOW = NORTH OF WELL, WOW = WEST OF WELL				
	Feet	Reference	Feet	Reference
Lateral #1				
FNL, FWL, FEL, FSL				
	<b>TD (MD)</b>	<b>P RATE (ft/day)</b>	<b>7" Csg Pt</b>	<b>Ft of Lateral</b>
Lateral #1				

**GEOLOGIC PROGNOSIS**

WELL NAME: **Fed T 22-69H\_100** PROSPECT: **Ferron Coal Play**  
 COUNTY: **Emery** STATE: **Utah**  
 SURFACE LOCATION: **NE NE Sec 22, 18S-7E**  
 BOTTOM HOLE LOCATION - S Leg : **SE SE Sec 22, 18S-7E**

ELEVATION: Ground: **6,348** KB: **6,368**

API #  
 NDIC Permit #:

Reference Well:  
**Fed T 22-69H**  
**XTO**

KB Elev.: **6,358**

**ESTIMATED TOPS:**

	TVD		ACTUAL		DEEP REFERENCE WELL	
	DEPTH	ELEV.	DEPTH	ELEV.	DEPTH	ELEV.
*Prospective Pay						
Emery Sandstone	<b>40</b>	<b>6,328</b>			30	6,328
Emery A Marker	<b>940</b>	<b>5,428</b>			930	5,428
Lower Bluegate Shale Marker	<b>1,180</b>	<b>5,188</b>			1,170	5,188
Ferron Sandstone	<b>3,030</b>	<b>3,338</b>			3,020	3,338
<b>Ferron Coal 100 Target</b>	<b>3,183</b>	<b>3,185</b>			<b>3,173</b>	<b>3,185</b>
End of Lateral Target	<b>3,138</b>	<b>3,230</b>			3,128	3,230

**DRILLING PROGRAM:** **Drill 1 horizontal leg in Ferron Coal**  
**SAMPLE PROGRAM:** Catch 30' samples  
**CORE PROGRAM:** None planned  
**DRILL STEM TESTS:** None planned  
**MUD SYSTEM:** Air Mist  
**MUD LOGGING:** Run total gas and chromatograph and plot drilling rate  
 Describe all samples.  
**LOGGING PROGRAM:** MWD Gamma Ray in build & horizontal hole  
 Open hole Logs are not planned

**CALL MORNING REPORT TO:** **Jim Kwolek**

**SERVICE COMPANIES:** The following service companies will be used in conjunction with this well.  
 Testing: None planned  
 Coring: None planned  
 Directional & MWD: To be determined.  
 Open-Hole Logging: Non Planned

**GENERAL INFORMATION:**

Anytime there is a question in your mind concerning the well, no matter what the time of day, please call.  
 Notify the Geologist of any DEPTH MEASUREMENT CORRECTIONS OR UNUSUAL HOLE DEVIATIONS.

**XTO ENERGY REPRESENTATIVES:**

**RIG SUPERVISOR:**

**DRILLING SUPERINTENDENT:**

Bobby Jackson 505-486-4706 (Cell)  
 303-397-3720 (Office)

**ENGINEER:** Cole Walton (303) 397-3718 (Office)  
 (405) 420-5910 (Cell)

**GEOLOGISTS:** James Kolek 817-885-1216 (Office)

### HORIZONTAL DRILLING PLAN - LATERAL NO.1

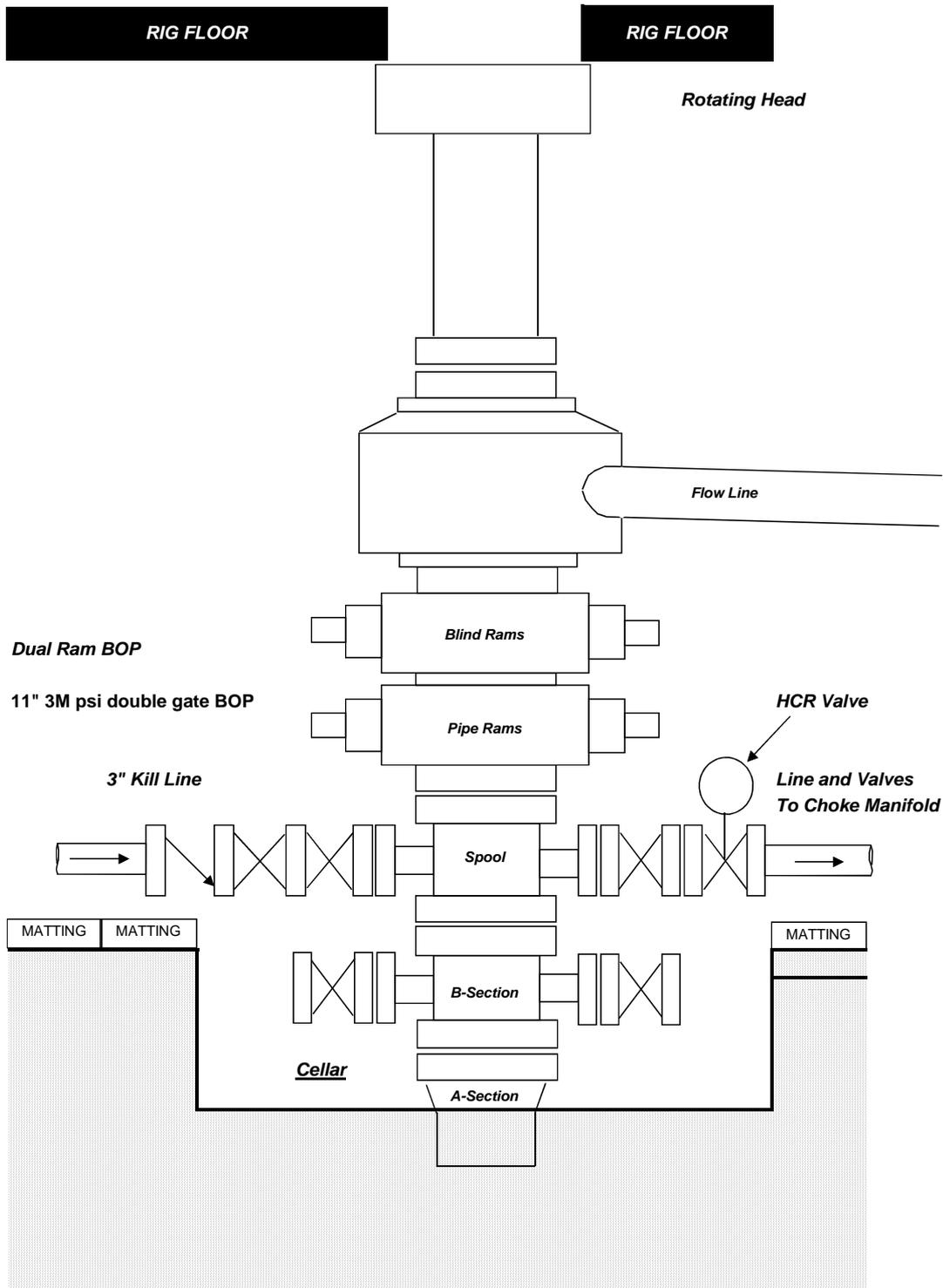
Company XTO Energy, Inc		Target Inclination	90	
Well Fed T 22-69H_100		Magnetic Declination		
Build Rate	14.00	Target TVD	3,183	
Relative Turn Direction		Target Azimuth	182.31	193.73
Turn Rate - Deg/100		Target Coordinates from Surf Locn	152 W	3762 S
			3,765 VS	

Date	No.	DEPTH	INC.	AZM	C.L.	T.V.D.	V.S.	N/S	E/W	DLS	B./D.	Walk	BRN
	1	0				0.00	0.00	0.00 N	0.00 E	0.00			0.00
Tie In @	2				0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
Surface Csg	3				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	4				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	5				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	6				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	7				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	8				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	9				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	10				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	11				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	12				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	13				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	14				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	15				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	16				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	17				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	18				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	19				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	20				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	21				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	22				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	23				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	24				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	25				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	26				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	27				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	28				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	29				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	30				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	31				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	32				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	33				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	34				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	35				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	36				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	37				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	38				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	39				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	40				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	41				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	42				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	43				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	44				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	45				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	46				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	47				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	48				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	49				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	50				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	51				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	52				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	53				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	54				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	55				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	56				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	57				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	58				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	59				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	60				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	61				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	62				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	63				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	64				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	65				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	66				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	67				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	68				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	69				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	70				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	71				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	72				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	73				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	74				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	75				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00
	76				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00		0.00

77				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
78				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
79				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
80				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
81				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
82				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
83				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
84				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
85				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
86				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
87				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
88				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
89				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
90				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
91				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
92				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
93				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
94				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
95				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
96				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
97				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
98				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
99				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
100				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
101				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
102				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
103				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
104				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
105				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
106				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
107				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
108				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
109				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00
110				0.0	0.00	0.00	0.00 N	0.00 E	0.00	0.00	0.00

**XTO Energy, Inc.**  
**BOP STACK DIAGRAM**

**Fed T 22-69H 100**  
Location: **NE NE Sec 22, 18S-7E**  
Footage: **863 ft FNL & 564 ft FEL**  
Elev: **Graded Pad 6348', KB 6368'**  
Emery County, UT



**XTO Energy, Inc.**  
**CHOKE MANIFOLD DRAWING**

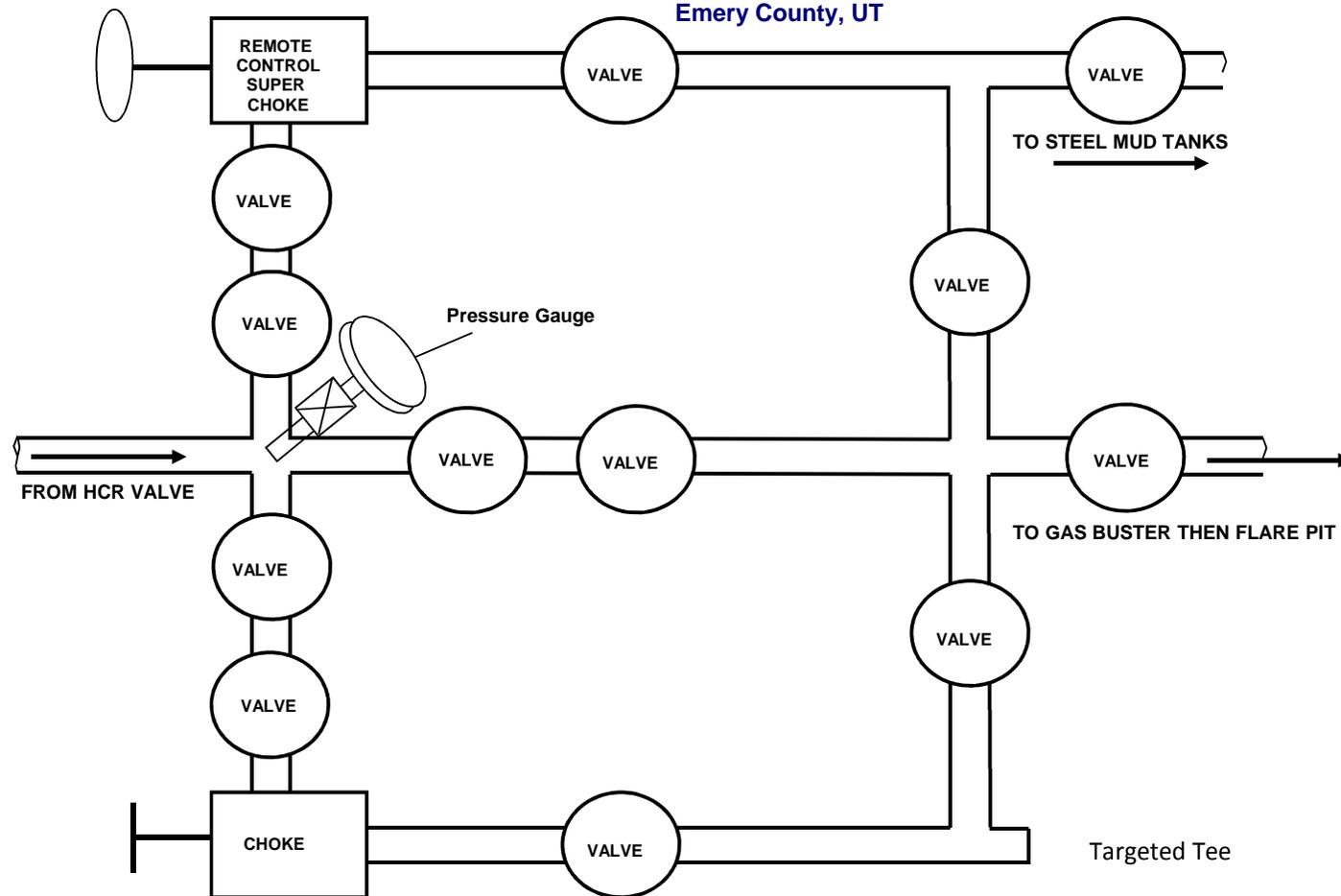
**Fed T 22-69H 100**

Location: **NE NE Sec 22, 18S-7E**

Footage: **863 ft FNL & 564 ft FEL**

Elev: **Graded Pad 6348', KB 6368'**

**Emery County, UT**



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</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.	
<b>1. TYPE OF WELL</b> Gas Well	<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-68538
<b>2. NAME OF OPERATOR:</b> XTO ENERGY INC	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> PO Box 6501 , Englewood, CO, 80155	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>PHONE NUMBER:</b> 303 397-3727 Ext	<b>8. WELL NAME and NUMBER:</b> FEDERAL T 22-69
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0863 FNL 0564 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 22 Township: 18.0S Range: 07.0E Meridian: S	<b>9. API NUMBER:</b> 43015304510000
	<b>9. FIELD and POOL or WILDCAT:</b> BUZZARD BENCH
	<b>COUNTY:</b> EMERY
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>6/16/2015</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<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 OR 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"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> <b>APD EXTENSION</b>
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

XTO Energy requests a one (1) year extension of the State APD for the referenced well.

**Approved by the  
 Utah Division of  
 Oil, Gas and Mining  
 June 09, 2014**

**Date:** \_\_\_\_\_  
**By:**

<b>NAME (PLEASE PRINT)</b> Malia Villers	<b>PHONE NUMBER</b> 303 397-3670	<b>TITLE</b> Lead Permitting Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/6/2014	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43015304510000**

API: 43015304510000

Well Name: FEDERAL T 22-69

Location: 0863 FNL 0564 FEL QTR NENE SEC 22 TWNP 180S RNG 070E MER S

Company Permit Issued to: XTO ENERGY INC

Date Original Permit Issued: 8/21/2013

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated?  Yes  No
  
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?  Yes  No
  
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?  Yes  No
  
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?  Yes  No
  
- Has the approved source of water for drilling changed?  Yes  No
  
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?  Yes  No
  
- Is bonding still in place, which covers this proposed well?  Yes  No

Signature: Malia Villers

Date: 6/6/2014

Title: Lead Permitting Analyst Representing: XTO ENERGY INC