



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

16 May 2002

Attn: Lisha Cordova

Re; Latham Federal 22-22-9-19  
Federal 11-21-9-19

Dear Lisha,

I spoke to Marsha at the Vernal BLM field office today and she asks that I send a copy of the approved reference APD's to you for your records. These new locations are slightly offset from the originally filed re-entry APD's. Pannonian engineers discovered that it would be more cost effective to slide the rig over and drill a new well due to the conditions of the old wells.

I will send additional new APD's that were changed to deepen the originally submitted documents.

If you have questions please call me toll free at 877-627-8637

Thank you,

A handwritten signature in cursive script that reads "Howard O. Sharpe".

Howard O. Sharpe  
V.P.

**RECEIVED**  
MAY 17 2002  
DIVISION OF  
OIL, GAS AND MINING

P.S. Pannonian Energy Inc. (a Delaware Corp.) is a wholly owned subsidiary of Gasco Energy, Inc (a Nevada Corp.)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT  
**RECEIVED**  
JUL 11 2001  
APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-78433</b>
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>N/A</b>
2. Name of Operator <b>Pannonian Energy, Inc.</b>		7. If Unit or CA Agreement, Name and No. <b>N/A</b>
3A. Address <b>14 Inverness Dr. E., Englewood, CO 80112</b>	3b. Phone No. (include area code) <b>(303) 483-0044</b>	8. Lease Name and Well No. <b>Lytham Federal 22-22-9-19</b>
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface <b>1727' FNL &amp; 2126' FWL (SENW)</b> At proposed prod. Zone <b>4430350 Y 40.01870</b> <b>605150 X - 109.76780</b>		9. API Well No. <b>43-047-34607</b>
14. Distance in miles and direction from nearest town or post office* <b>Approximately 27.3 miles from Myton, Utah</b>		10. Field and Pool, or Exploratory <b>Riverbend Parrotte Bench</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>1727'</b>	16. No. of Acres in lease <b>996.37</b>	11. Sec., T., R., M., or Blk. and Survey or Area <b>Section 22-T9S-R19E</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>See Map C</b>	19. Proposed Depth <b>12,500</b>	12. County or Parish <b>Uintah</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>4769' GL</b>	22. Approximate date work will start* <b>Upon Approval</b>	13. State <b>UT</b>
17. Spacing Unit dedicated to this well <b>40</b>		
20. BLM/BIA Bond No. on file <b>Utah BLM Bond No. 4127759</b>		
23. Estimated duration <b>35 days</b>		

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |                                                                                                                                                |                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| 1. Well plat certified by a registered surveyor.                                                                                               | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.                                                                                                                            | 5. Operator certification.                                                                        |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature <i>Howard Sharpe</i>	Name (Printed/Typed) <b>Howard Sharpe</b>	Date
Title <b>Vice President</b>		
Approved by (Signature) <i>Howard B. Lovington</i>	Name (Printed/Typed) <b>Howard B. Lovington</b>	Date <b>12/13/2001</b>
Title <b>Assistant Field Manager Mineral Resources</b>	Office	

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, are attached.

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.

\*(Instructions on reverse)

**NOTICE OF APPROVAL**

**CONDITIONS OF APPROVAL ATTACHED**

Approved by the  
Utah Division of  
Oil, Gas and Mining  
Date: **08-22-02**  
By: *[Signature]*

**RECEIVED**

MAY 17 2002  
DIVISION OF  
OIL, GAS AND MINING

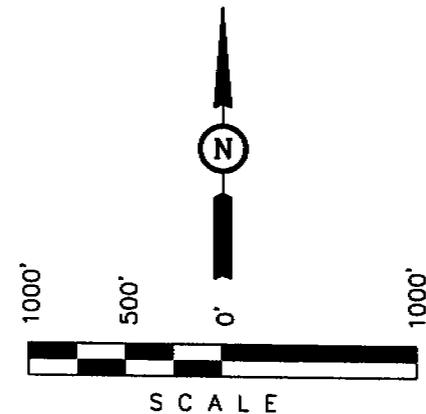
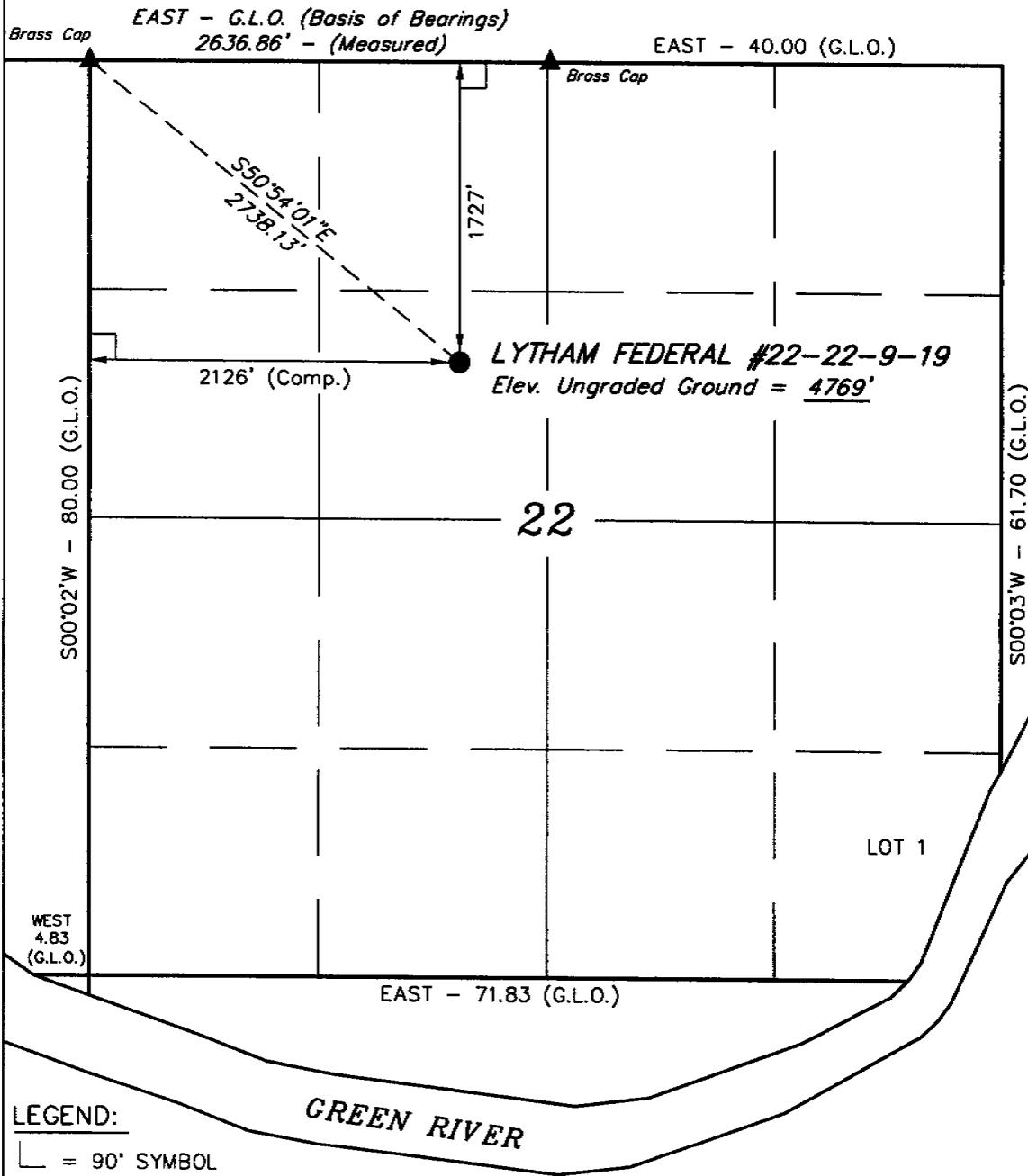
T9S, R19E, S.L.B.&M.

PANNONIAN ENERGY, INC.

Well location, LYTHAM FEDERAL #22-22-9-19,  
located as shown in the SE 1/4 NW 1/4 of  
Section 22, T9S, R19E, S.L.B.&M. Uintah  
County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION  
22, T9S, R19E, S.L.B.&M. TAKEN FROM THE UTELAND BUTTE  
QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD.  
(TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES  
DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID  
ELEVATION IS MARKED AS BEING 4711 FEET.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF

*Robert A. Cox*

REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

REVISED: 11-19-01 D.COX

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

LATITUDE = 40°01'07"  
LONGITUDE = 109°46'03"

SCALE 1" = 1000'	DATE SURVEYED: 6-2-01	DATE DRAWN: 6-11-01
PARTY D.A. P.M. D.COX	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PANNONIAN ENERGY, INC.	

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# Pannonian Energy Inc.

21 August, 2001

Leslie Crinklaw  
Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078-2799

## SELF CERTIFICATION STATEMENT

Please be advised that Pannonian Energy Inc. (a wholly owned subsidiary of Gasco Energy, Inc.) is considered to be the operator of well # Fed. 22-22-9-19, located in the SENW, Sec 22, T9S, R19E, Lease no. U-78433. Pannonian Energy Inc. is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond # 4127759 US/BLM.

Sincerely,



Howard O. Sharpe  
Executive, Vice President

**PANNONIAN ENERGY, INC.**

**Lytham Federal 22-22-9-19  
SENW, Section 22-T9S-R19E  
Uintah County, Utah  
Lease No. UTU-78433**

**DRILLING PLAN**

**1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS & ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:**

<b>Formation</b>	<b>Depth (ft)</b>	<b>Hydrocarbon/Water Bearing Zones</b>
Uintah	Surface	
Green River	1,422'	Gas/Oil
Wasatch	4,972'	Gas
Mesa Verde	8,600'	Gas
TD	12,500'	

All usable (<10,000 ppm TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. All significant oil and gas shows will be tested to determine commercial potential. This information shall be reported to the Vernal BLM Office.

**2. PRESSURE CONTROL EQUIPMENT:**

All well control equipment shall be in accordance with Onshore Order #2 for 5M systems.

The minimum specifications for pressure control equipment that will be provided are included on the attached schematic diagram showing size, pressure ratings, testing procedures, and testing frequency.

5000# BOP With 4-1/2" Pipe Rams  
5000# BOP With Blind Rams  
5000# Annular

Auxiliary equipment to be used:

- Upper kelly cocks with handle available.

The manifold includes appropriate valves and adjustable chokes. The kill line will have one check valve. Ram type preventers will be pressure tested to full working pressure (utilizing a test plug) at:

- initial installation;
- whenever any seal subject to test pressure is broken;
- following related repairs;
- at 30 day intervals

The annular preventer will be pressure tested to 50 percent of the rated working pressure. All pressure tests shall be maintained at least ten minutes or until provisions of test are met, whichever is longer.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip.

A BOPE pit level drill will be conducted weekly for each drilling crew.

All tests and drills will be recorded in the drilling log.

The accumulator will have sufficient capacity to open the HCR valve, close all rams plus the annular preventer, and retain 200 psi above pre-charge pressure without the use of closing unit pumps. The system will have two independent power sources to close the preventers in accordance with 5M system requirements outlined in Onshore Order #2.

Remote controls shall be readily accessible to the driller. Master controls shall be at the accumulator.

**3. CASING & CEMENTING PROGRAM:**

A. The proposed casing program will be as follows:

<b>Depth</b>	<b>Hole Size</b>	<b>Size</b>	<b>Grade</b>	<b>Weight</b>	<b>Thread</b>	<b>Condition</b>
0-220'	17 1/2"	13 3/8"	H-40	48#/ft	ST&C	New
0-3,500	12-1/4"	9-5/8"	J-55	40#/ft	LT&C	New
0-TD	7-7/8"	4-1/2"	P-110	13.5#/ft	LT&C	New

The proposed casing and cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Any isolating medium other than cement shall receive approval prior to use. The casing setting depth shall be calculated to position the casing seat opposite a competent formation which will contain the maximum pressure to which it will be exposed during normal drilling operations. Determination of casing setting depth shall be based on all relevant factors, including: presence/absence of hydrocarbons, fracture gradients, usable water zones, formation pressures, lost circulation zones, other minerals, or other unusual characteristics.

All casing, except conductor casing, shall be new or reconditioned and tested. Used casing shall meet or exceed API standards for new casing.

The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing. If drive pipe is used, it may be left in place if its total length is less than twenty feet below the surface. If the total length of the drive pipe is equal to or greater than twenty feet, it will be pulled prior to cementing surface casing, or it will be cemented in place.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A bottom plug or other acceptable technique, such as a suitable preflush fluid, inner string cement method, etc., shall be utilized to help isolate the cement from contamination by the mud being displaced ahead of the cement slurry.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

The bottom three joints of the surface casing will have one centralizer per joint and one centralizer every fourth joint thereafter.

Casing design subject to revision based on geologic conditions encountered.

B. The proposed cementing program will be as follows:

**Conductor String:** Cement will be circulated to surface. Estimated volume (100% over theoretical value) 260 sxs Class "G", 3% CaCl<sub>2</sub> w/0.25 #/sx Flocele @ 15.6 ppg, 1.19 ft<sup>3</sup>/sx.

**Surface String:** Cement will be circulated to surface. Estimated volume (35% over theoretical value):

**Lead:** 465 sx Hi-fill @ 12.0 ppg, 2.87 ft<sup>3</sup>/sx.

**Tail:** 380 sx Class "G" 2% CaCl<sub>2</sub> @ 15.8 ppg, 1.16 ft<sup>3</sup>/sx.

**Production String:** Estimated volume (gauge hole + 15%):

**Lead:** 450 sx Hi-fill @ 11.0 ppg, 3.84 ft<sup>3</sup>/sx.

**Tail:** 1790 sx 50/50 POZ @ 14.35 ppg, 1.26 ft<sup>3</sup>/sx.

Actual volumes will be calculated and adjusted with caliper log prior to cementing. Ten percent excess will be pumped.

For surface casing, waiting on cement time will be adequate to achieve 500 psi compressive strength at the casing shoe prior to drilling out.

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The Vernal District BLM Office will be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

After cementing the surface pipe and/or any intermediate strings, but before commencing any test, the casing string shall stand cemented until the cement has reached a compressive strength of at least 500 psi at the shoe. WOC time shall be recorded in the Driller's Log.

**4. DRILLING FLUIDS PROGRAM:**

Interval	Type	Weight (ppg)	Viscosity	pH	Water Loss	Remarks
0-400'	Spud	8.4 -9.0	30-45+	8.0	NC	Gel & lime as required.
400'-Top of Wasatch	Wtr/gel	8.4-8.8	27-35	8.5-9.0	NC	Min. Wt.
Top of Wasatch-TD	KCL Mud	8.5-11.2*	35-45	9.0-11.0	10-15cc @ TD	* Min Wt. to control formation pressure.

NC = no control

Sufficient quantities of mud material will be maintained on site or be readily accessible for the purpose of assuring well control. SPR will be recorded on daily drilling report after mudding up. Visual mud monitoring will be conducted during operations.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

**5. EVALUATION PROGRAM:**

**Logs:** DLLT/GR: TD to base surface casing  
 SDL/DSN/GR/CAL: TD to 300' above Green River  
 MRIL: TD to 100' above Wasatch  
 (at operators discretion)

**Cores:** None anticipated.

**DST's:** None anticipated.

When cement has not been circulated to surface, the cement top will be determined by either a temperature survey or cement bond log. Should a temperature survey fail to locate the cement top, a cement bond log will be run. A field copy will be submitted to the Vernal BLM office.

Drill stem tests, if they are run, will adhere to the following requirements:

Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the Authorized Officer. However, DST's may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vapor-proof for safe operations). Packers can be released, but tripping shall not begin before daylight, unless prior approval is obtained from the Authorized Officer. Closed chamber DST's may be performed day or night.

Some means of reverse circulation shall be provided in case of flow to the surface showing evidence of hydrocarbons.

Separation equipment required for the anticipated recovery shall be properly installed before a test starts.

All engines within 100 feet of the wellbore that are required to be operational during the test shall have spark arresters or water-cooled exhausts.

**6. ABNORMAL CONDITIONS:**

No anticipated abnormal pressures or temperatures are expected to be encountered. No hydrogen sulfide is expected.

Anticipated maximum bottom-hole pressure is 6825 psi.

**7. OTHER INFORMATION:**

The anticipated starting date and duration of the operation will be as follows:

Starting Date:	Upon Approval
Duration:	35 Drilling Days & 20 Completion Days

If the well is completed as a dry hole or as a producer, Well Completion or Recompletion Report and Log (Form 3160-4) will be submitted within 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3160. Copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample descriptions, daily drilling reports, daily completion reports, and all other surveys or data obtained and compiled during the drilling, completion, and/or workover operations, will be submitted directly to the Authorized Officer or filed with Form 3160-4.

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

Deviations from the proposed drilling and/or workover program will be approved by the Authorized Officer. Safe drilling and operating practices will be observed. All wells, whether drilling, producing, suspended, or abandoned, will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report 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.

All lease and/or unit 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 No. 1 and No. 2, and the approved Plan of Operations. The Operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

**PANNONIAN ENERGY, INC.**

***Lytham Federal 22-22-9-19  
SENW, Section 22-T9S-R19E  
Uintah County, Utah  
Lease No. UTU-78433***

***SURFACE USE PLAN***

An onsite inspection for the subject well was conducted on June 26, 2001. Weather conditions at the time of the onsite inspection were overcast and windy. In attendance were the following individuals:

Stan Olmstead – Bureau of Land Management  
Robert Kay – Uintah Engineering & Land Surveying  
Robin Dean – Pannonian Energy, Inc.  
Kelly Olds – Halliburton Integrated Solutions  
Sheila Bremer – Halliburton Integrated Solutions

**1. *EXISTING ROADS:***

Refer to Topo Maps A and B for location of existing access roads.

See Topo Map A for directions to the proposed location from Myton, Utah.

The existing roads will be maintained and kept in good repair.

**2. *ACCESS ROADS TO BE CONSTRUCTED:***

Approximately 0.1 miles of new road will be required to access the proposed location.

The proposed access road was centerline staked.

The new road will be completed as a single lane 18-foot subgrade road (see Topo Map B).

Maximum grade will be less than eight percent.

There are no major cuts or fills, turnouts, or bridges anticipated along the proposed access route.

No gates, cattleguards, fence cuts, or modifications to existing facilities will be required on or along the proposed access route.

The access road will be constructed and maintained as necessary to prevent soil erosion and accommodate all-weather traffic. The road will be crowned and ditched with water turnouts installed as necessary to provide for proper drainage along the access road route.

Construction activity will not be conducted using frozen or saturated soils material or during periods when watershed damage is likely to occur.

The access road and associated drainage structures will be constructed and maintained in accordance with roading guidelines contained in the joint BLM/USFS publication: *Surface Operating Standards for Oil and Gas Exploration and Development*, Third Edition, and/or BLM Manual Section 9113 concerning road construction standards on projects subject to federal jurisdiction. During the drilling and production phase of operations, the road surface and shoulders will be kept in a safe and useable condition and drainage ditches and culverts will be kept clear and free flowing.

If the access road is dry during construction, drilling, and completion activities, water will be applied to the access road to help facilitate road compaction (during construction) and to minimize soil loss as a result of wind erosion.

### **3. LOCATION OF EXISTING WELLS WITHIN A ONE-MILE RADIUS:**

See Topo Map C.

Water wells – 0  
Abandoned wells – 0  
Temporarily Abandoned wells – 0  
Disposal wells – 0  
Drilling/Proposed wells – 0  
Producing wells – 0  
Shut-in wells – 0  
Injection wells – 0  
Monitoring wells - 0

### **4. LOCATION OF EXISTING AND/OR PROPOSED PRODUCTION FACILITIES:**

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope.

Containment berms will be constructed completely around production facilities designed to hold fluids (i.e., production tanks, produced water tanks, and/or heater/treater). The containment berms will be constructed of compacted subsoil, be sufficiently impervious, hold 110 percent of the capacity of the largest tank, and be independent of the back cut.

All loading lines will be placed inside the berm surrounding the tank battery.

All permanent (on site six months or longer) aboveground structures constructed or installed on location and not subject to safety requirements will be painted Carlsbad Canyon (Munsell standard color 2.5y 6/2).

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flow line will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be

conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The Authorized Officer will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal Field Office. All meter measurement facilities will conform with Onshore Oil and Gas Order No. 4 for liquid hydrocarbons and Onshore Oil and Gas Order No. 5 for natural gas measurement.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the Authorized Officer.

**5. LOCATION AND TYPE OF WATER SUPPLY:**

Water for drilling will be obtained from the Dalbo Ouray Water Facility located in Section 32-T4S-R3E, Water Use Claim #43-8496, Application #53617. No water supply well will be drilled.

The water will be transported to location via truck by an approved commercial water hauler over the access roads shown on Topo Maps A and B.

**6. SOURCE OF CONSTRUCTION MATERIALS:**

Surface and subsoil materials in the immediate area will be utilized. Any construction materials that may be required for surfacing of the drill pad and access road will be obtained from a contractor having a permitted source of materials within the general area.

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

No construction materials will be removed from Federal lands without prior approval.

**7. METHODS OF HANDLING WASTE DISPOSAL:**

Cuttings and drilling fluids will be contained in the reserve pit.

Tanks will be used for storage of produced fluids during testing. Fracture stimulation fluids will be flowed back into the reserve pit for evaporation.

Portable, self-contained chemical toilets will be provided for human waste disposal. Upon completion of operations, or as required, the toilet holding tanks will be pumped and the contents thereof disposed of in an approved sewage disposal facility. All state and local laws and regulations pertaining to disposal of human and solid waste will be complied with.

All garbage and non-flammable waste materials will be contained in a self-contained, portable dumpster or trash cage. Upon completion of operations, or as needed, the accumulated trash will be transported to a state approved waste disposal site. No trash will be placed in the reserve pit.

Immediately after removal of the drilling rig, all debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location. No potentially adverse materials or substances will be left on the location. Any open pits will be fenced

during drilling operations and said fencing will be maintained until such time as the pits have been backfilled.

After first production, produced wastewater will be confined to the approved pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location will be submitted for the Authorized Officer's approval.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

Operator maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances which are used during the course of construction, drilling, completion, and production operations for this project. Hazardous materials (substances) which may be found at the site may include drilling mud and cementing products which are primarily inhalation hazards, fuels (flammable and/or combustible), materials that may be necessary for well completion/ stimulation activities such as flammable or combustible substances and acids/gels (corrosives). The opportunity for Superfund Amendments and Reauthorization Act (SARA) listed Extremely Hazardous Substances (EHS) at the site is generally limited to proprietary treating chemicals. All hazardous and EHS and commercial preparations will be handled in an appropriate manner to minimize the potential for leaks or spills to the environment.

#### 8. **ANCILLARY FACILITIES:**

None anticipated.

#### 9. **WELL SITE LAYOUT:**

##### A. General Information:

See the attached *Location Layout* and *Typical Cross Sections* diagrams showing the proposed drill pad cross sections and cut and fills in relation to topographic features as well as access onto the pad and soil stockpiles.

See the attached *Typical Rig Layout* diagram showing the location of the reserve pit, flare pit, living facilities, and rig orientation with respect to the pad and other facilities.

If necessary, in order to divert surface runoff, a drainage ditch will be constructed around the upslope side of the well site.

All equipment and vehicles will be confined to the approved disturbed areas of this APD (i.e., access road, well pad, and spoil and topsoil storage areas).

The fill section of the pad that supports the drilling rig and any other heavy equipment will be compacted.

B. Reserve Pit:

The reserve pit will be constructed in a way that minimizes the accumulation of surface precipitation runoff into the pit. This may be accomplished by appropriate placement of subsoil/topsoil storage areas and/or construction of berms or ditches.

The reserve pit will be fenced on three sides during drilling operations and the fourth side will be fenced after the drilling rig moves off the location. Thirty-nine (39) inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire will not be used if pipe or some type of reinforcement rod is attached to the top of the entire fence. The net wire will be no more than two inches above the ground. The barbed wire will be three inches over the net wire. Total height of the fence will be at least 42 inches. Corner posts will be cemented and/or braced in such a manner to keep the fence tight at all times. Standard steel, wood, or pipe posts will be used between the corner braces. Maximum distance between any 2 fence posts will not be greater than 16 feet. All wire will be stretched using a stretching device before it is attached to the corner posts.

Siphons, catchments, and/or absorbent pads will be installed to keep hydrocarbons produced by the drilling rig from entering the reserve pit. Hydrocarbons and contaminated pads will be disposed of in accordance with DEQ requirements.

The reserve pit will be backfilled as soon as dry after drilling and completion operations are finished. If natural evaporation of the reserve pit is not feasible, alternative methods of drying, removal of fluids, or other treatment will be developed. If fluids will be disposed of by any method other than evaporation or hauling to a DEQ approved disposal pit, prior approval from the Authorized Officer will be obtained.

If a liner is required, then the reserve pit will be lined with a synthetic liner. The reserve pit bottom and side walls shall be void of any sharp rocks that could puncture the liner. The liner will be installed over smooth fill subgrade that is free of pockets, loose rocks, or other materials (i.e. sand, sifted dirt, or bentonite) that could damage the liner. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place.

**10. PLANS FOR RECLAMATION OF THE SURFACE:**

***Producing Location:***

- Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.
- If a synthetic, nylon reinforced, liner is used, the excess liner will be cut off and removed and the remaining liner will be torn and perforated while backfilling the reserve pit. Alternatively, the pit will be pumped dry, the liner folded into the pit, and the pit backfilled.
- Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

- The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion, weather permitting. This will be completed by backfilling and crowning the pit to prevent water from standing.
- Seeding will be performed immediately after the location has been reclaimed and the pit has been backfilled, regardless of the time of year. The Bureau of Land Management will specify a seed mixture. Seed will be broadcast and walked in with a dozer. The topsoil stockpile will be seeded as soon as the location has been constructed with the same recommended seed mix.

***Dry Hole/Abandoned Location:***

- On lands administered by the BLM, abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.
- All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

**11. SURFACE OWNERSHIP:**

Surface ownership of the proposed location is as follows:

**Well Site & Access Road:** Bureau of Land Management

**12. OTHER INFORMATION:**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice of Lessees. The operator is fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

The Operator will control noxious weeds along right-of-ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds may be obtained from the BLM or the appropriate County Extension Office. On BLM administered land, it is required that a Pesticide Use Proposal be submitted and approved prior to the application of herbicides or other pesticides or possibly hazardous chemicals.

Drilling rigs and/or equipment used during drilling operations on this location will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. If BLM authorization is obtained, such storage is only a temporary measure.

The Operator is responsible for informing all persons in the area who are associated with this project that they may be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts. All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in the archaeological report, and to the existing roadways and/or evaluated access routes. 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. Within five working days, the Authorized Officer will inform the Operator as to:

- whether the materials appear eligible for the National Historic Register of Historic Places;
- the mitigation measures the Operator will likely have to undertake before the site can be used (assuming in situ preservation is not necessary); and
- a time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer 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 Authorized Officer 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 Authorized Officer will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Officer that required mitigation has been completed, the Operator will then be allowed to resume construction.

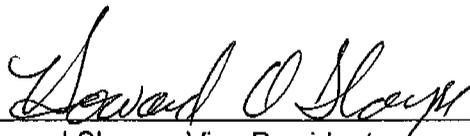
A Class III archeological survey has been conducted by Metcalf Archeological Consultants. No significant cultural resources were found and clearance is recommended. Metcalf Archeological Consultants will submit a copy of this report to the appropriate agencies.

**13. LESSEE OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION:**

Mike Decker  
Pannonian Energy, Inc.  
14 Inverness Drive East  
Suite H-236  
Englewood, Colorado 80112-5625  
(303) 204-3880

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Pannonian Energy, Inc., and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

7-5-01  
Date

  
Howard Sharpe, Vice President

**PANNONIAN ENERGY, INC.**  
**LYTHAM FEDERAL #22-22-9-19**  
 LOCATED IN UINTAH COUNTY, UTAH  
 SECTION 22, T9S, R19E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF RECLAIMED ROAD

CAMERA ANGLE: SOUTHWESTERLY



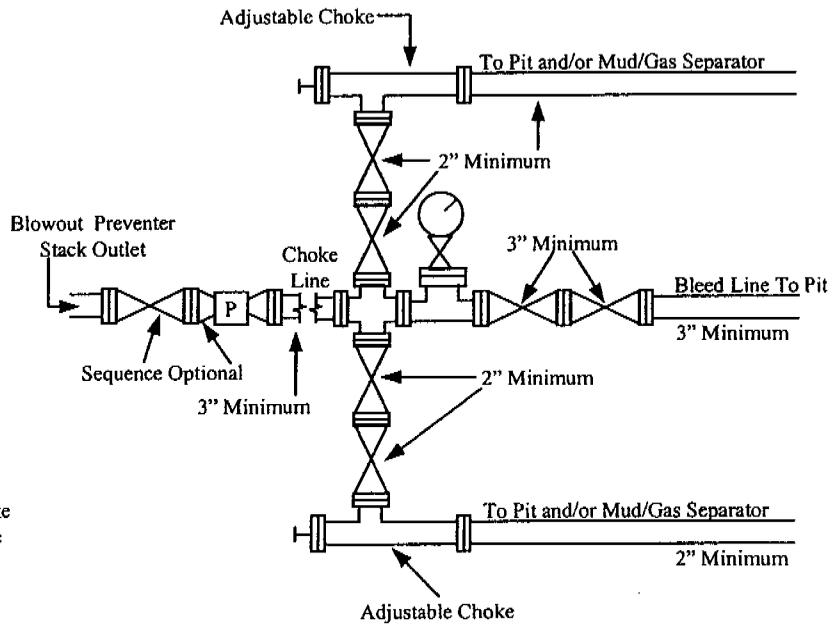
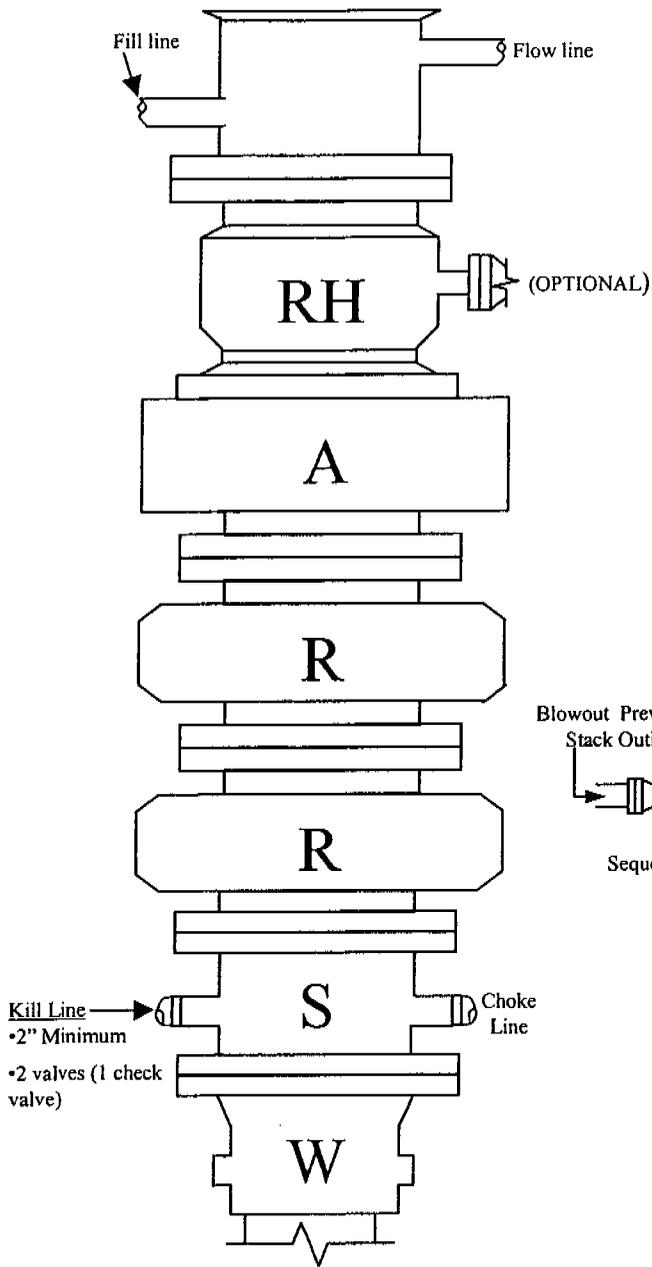
- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 435-789-1017 uels@uelsinc.com

<b>LOCATION PHOTOS</b>			<b>6</b>	<b>12</b>	<b>01</b>	<b>PHOTO</b>
			MONTH	DAY	YEAR	
TAKEN BY: J.T.		DRAWN BY: K.G.		REVISED: 11-13-01		

# DOUBLE RAM TYPE PREVENTERS WITH AN OPTIONAL ROTATING HEAD

5000 psi system



\* Note: Kill line shall be 2" minimum diameter and have two valves, one of which shall be a check valve. Both valves: 2" minimum.

Minimum BOP Stack

One Pipe Ram

One Blind Ram

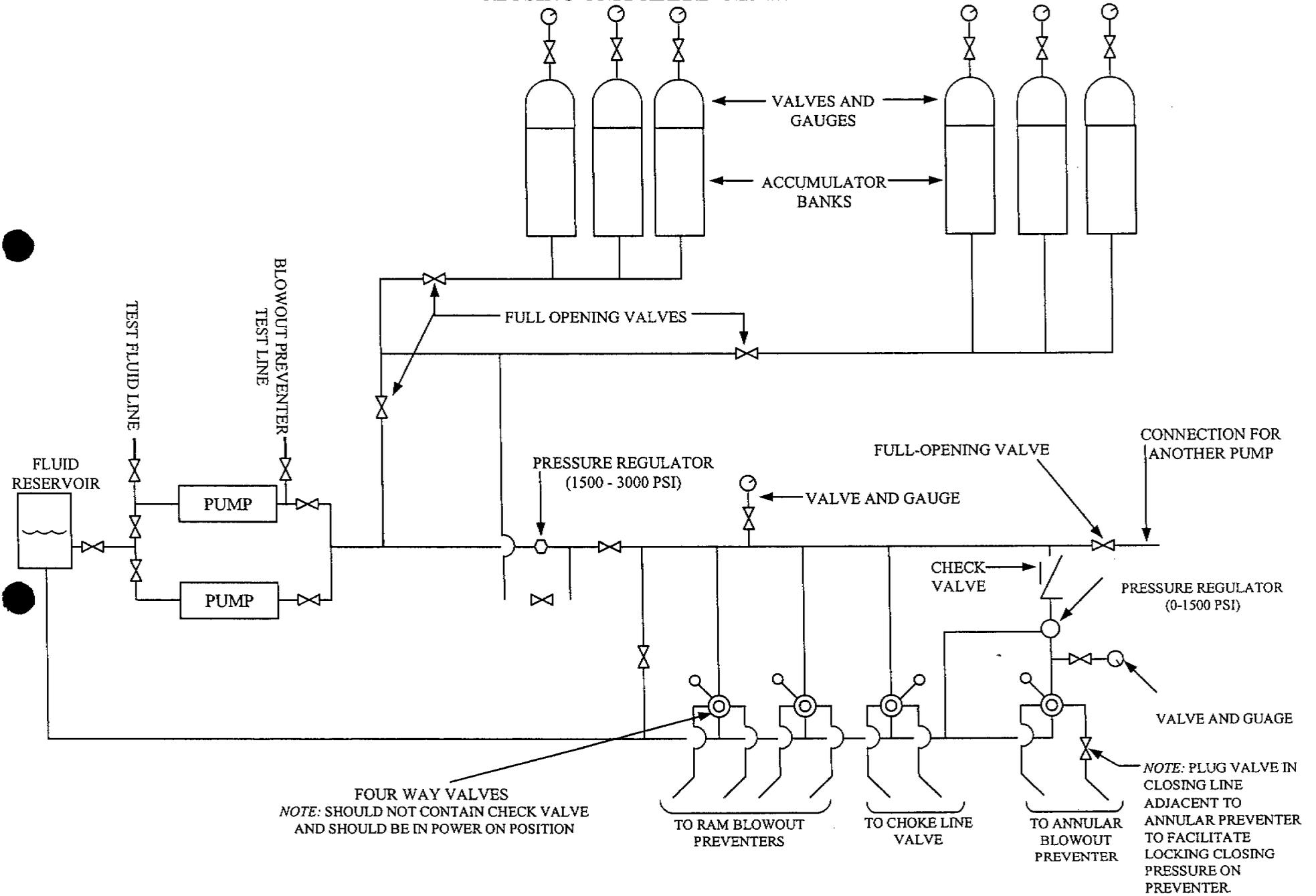
One Annular

Well Head

Manifold

5000 psi Working Pressure

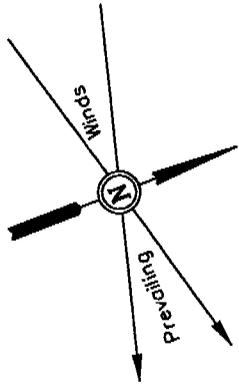
## TYPICAL BLOWOUT PREVENTER CLOSING UNIT ARRANGEMENT



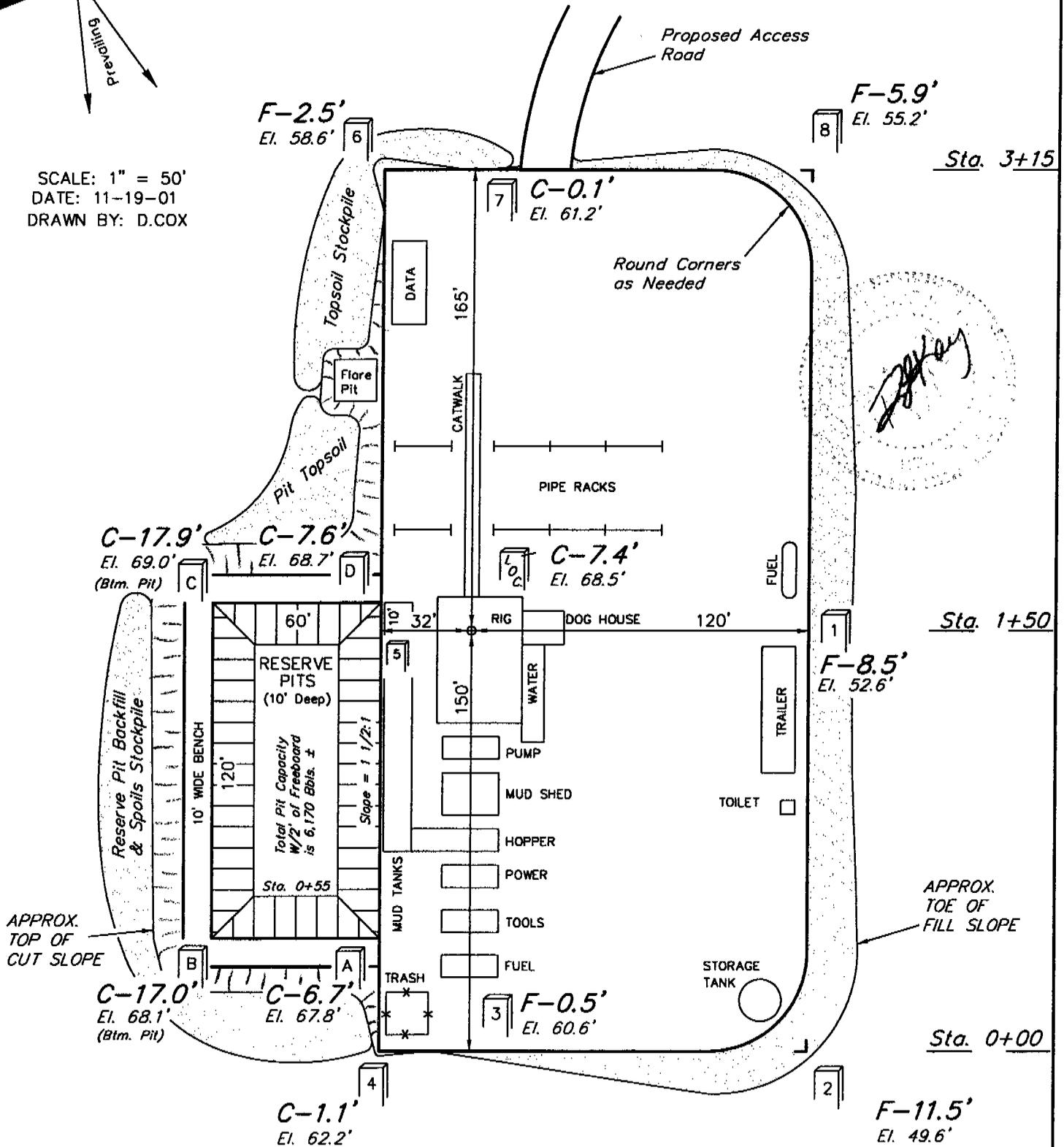
# PANNONIAN ENERGY, INC.

## LOCATION LAYOUT FOR

LYTHAM FEDERAL #22-22-9-19  
SECTION 22, T9S, R19E, S.L.B.&M.  
1727' FNL 2126' FWL



SCALE: 1" = 50'  
DATE: 11-19-01  
DRAWN BY: D.COX



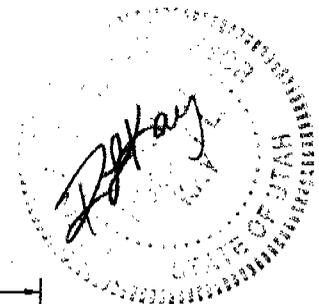
Elev. Ungraded Ground at Location Stake = 4768.5'  
Elev. Graded Ground at Location Stake = 4761.1'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

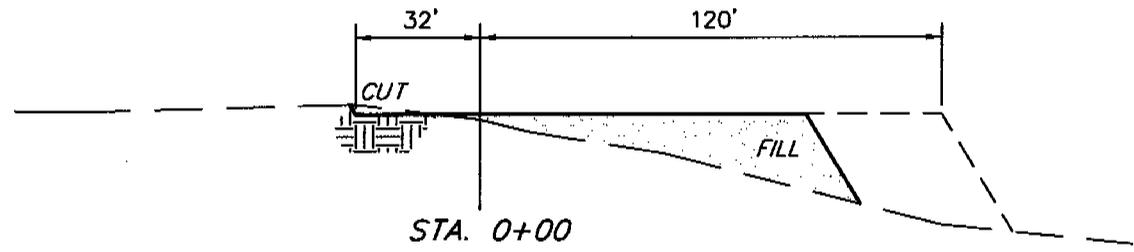
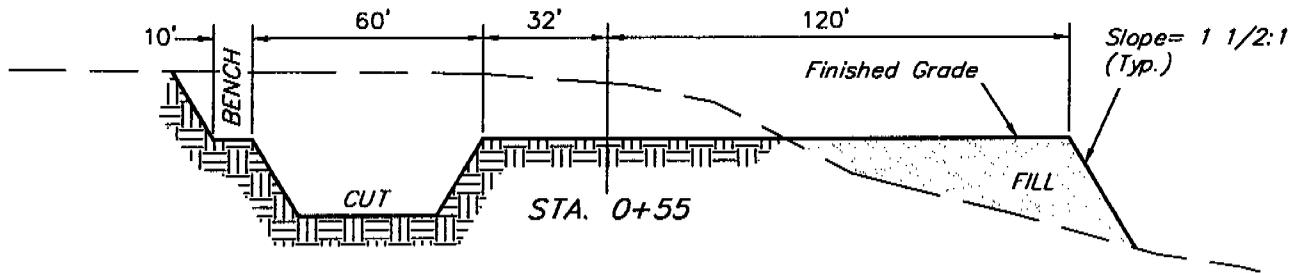
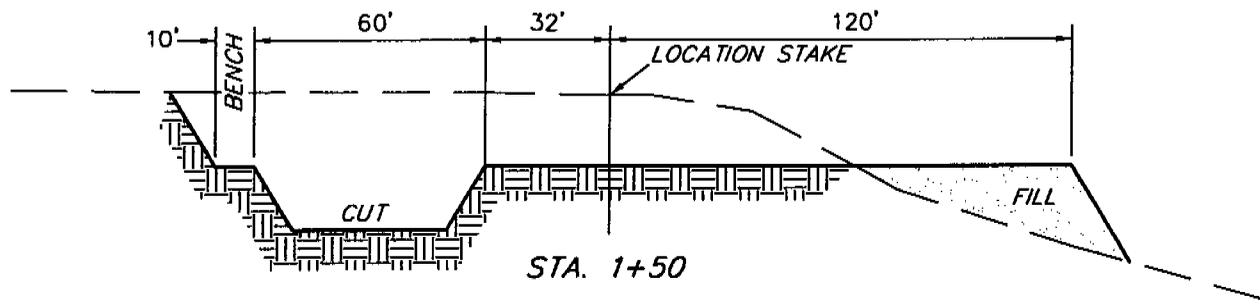
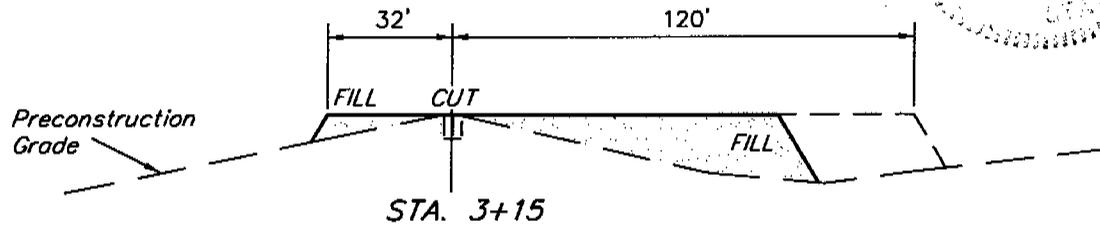
**PANNONIAN ENERGY, INC.**

**TYPICAL CROSS SECTION FOR**

**LYTHAM FEDERAL #22-22-9-19  
SECTION 22, T9S, R19E, S.L.B.&M.  
1727' FNL 2126' FWL**



1" = 20'  
X-Section Scale  
1" = 50'  
DATE: 11-19-01  
DRAWN BY: D.COX

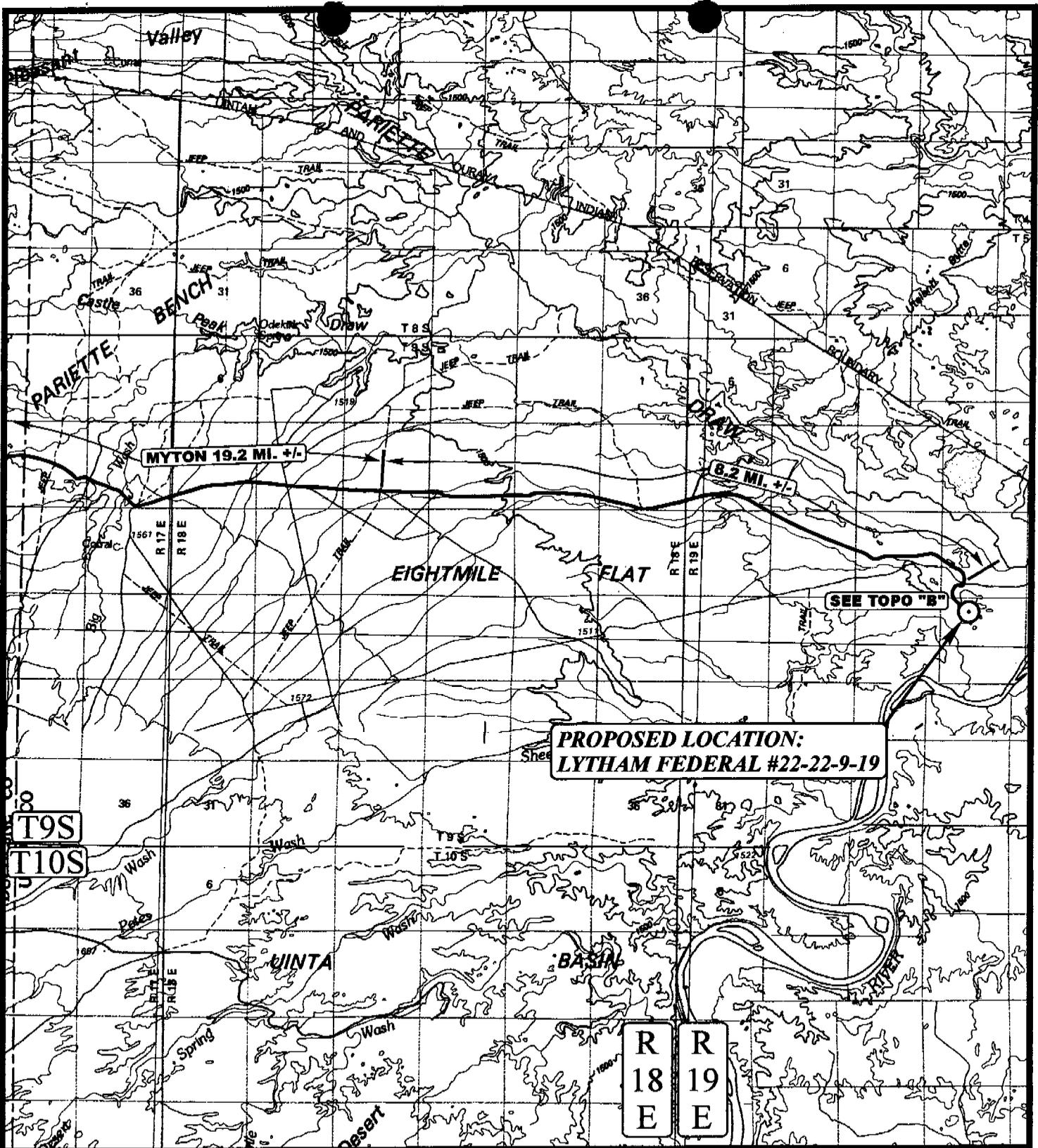


**APPROXIMATE YARDAGES**

<b>CUT</b>	
(6") Topsoil Stripping	= 1,070 Cu. Yds.
Remaining Location	= 7,720 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 8,790 CU.YDS.</b>
<b>FILL</b>	<b>= 6,490 CU.YDS.</b>

<b>EXCESS MATERIAL AFTER 5% COMPACTION</b>	<b>= 1,960 Cu. Yds.</b>
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 1,960 Cu. Yds.
<b>EXCESS UNBALANCE (After Rehabilitation)</b>	<b>= 0 Cu. Yds.</b>

**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017



**PROPOSED LOCATION:  
LYTHAM FEDERAL #22-22-9-19**

**LEGEND:**

○ PROPOSED LOCATION

**PANNONIAN ENERGY, INC.**

**LYTHAM FEDERAL #22-22-9-19  
SECTION 22, T9S, R19E, S.L.B.&M.  
1727' FNL 2126' FWL**



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

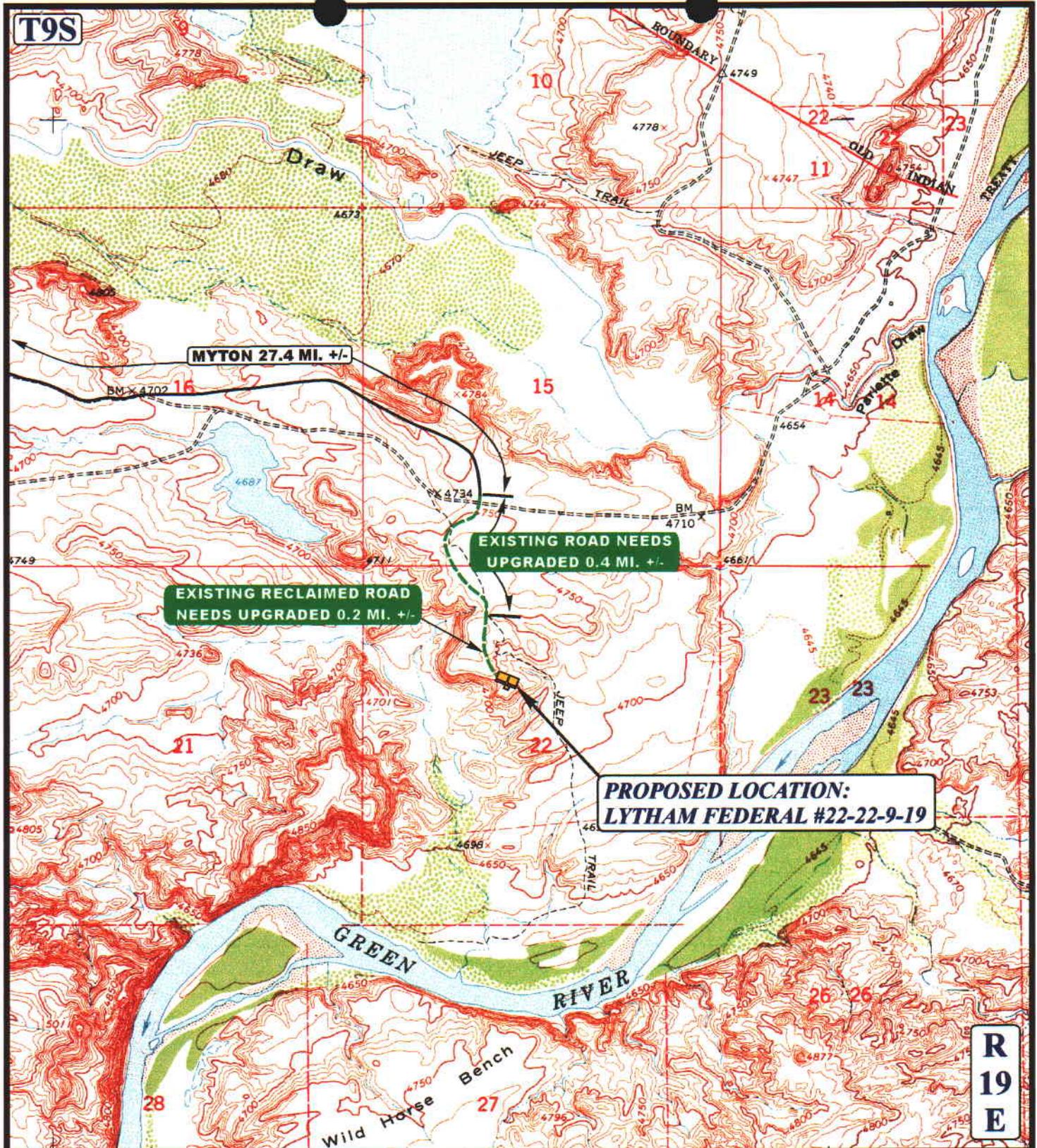


**TOPOGRAPHIC  
MAP**

**6 12 01**  
MONTH DAY YEAR



SCALE: 1:100,000 DRAWN BY: K.G. REVISED: 11-13-01



**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



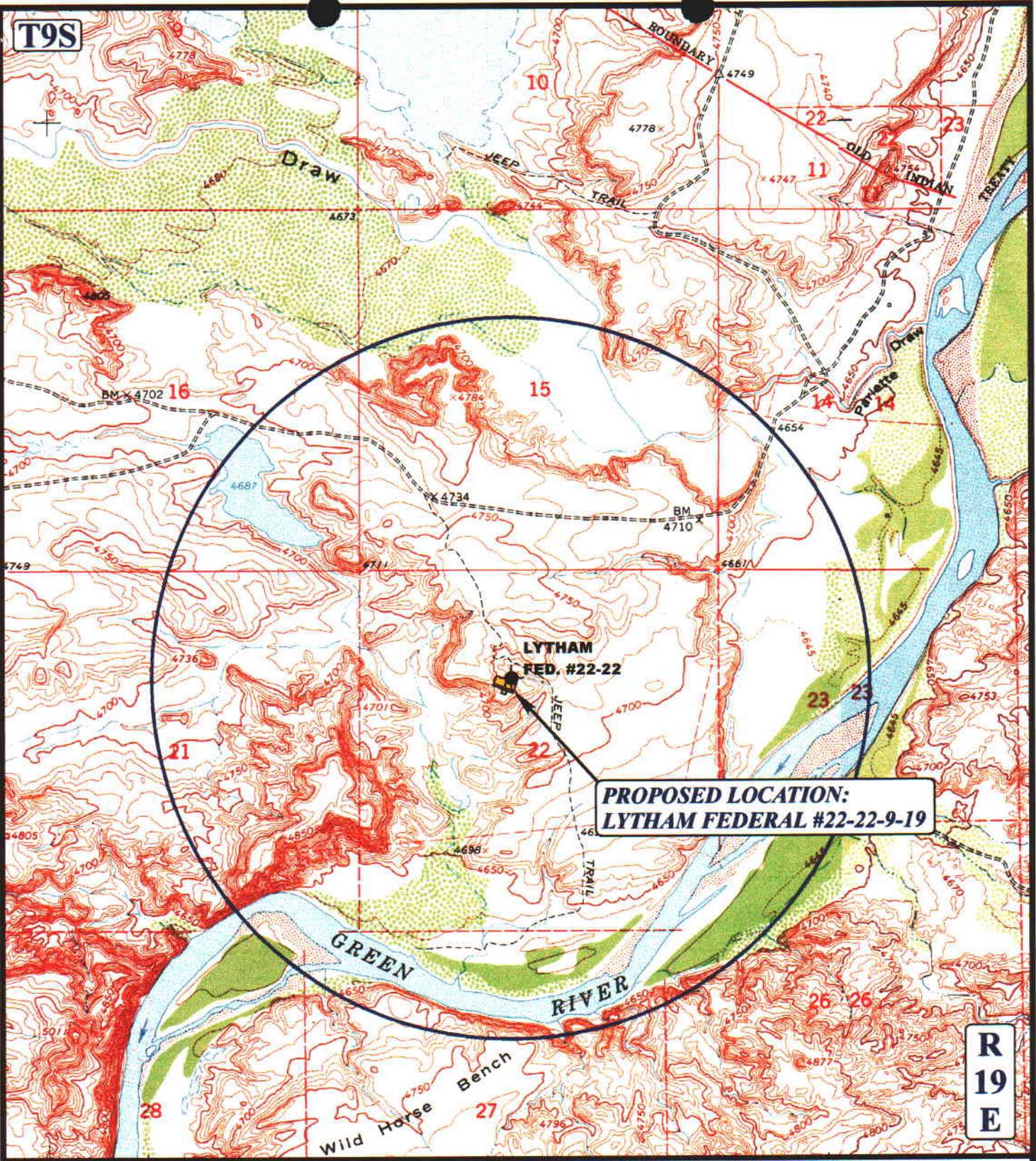
**PANNONIAN ENERGY, INC.**  
**LYTHAM FEDERAL #22-22-9-19**  
**SECTION 22, T9S, R19E, S.L.B.&M.**  
**1727' FNL 2126' FWL**

**U&L S** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC MAP** **6 12 01**  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: K.G. REVISED: 11-13-01

**B**  
 TOPO

T9S



R  
19  
E

**LEGEND:**

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ⊗ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

**PANNONIAN ENERGY, INC.**

**LYTHAM FEDERAL #22-22-9-19**  
**SECTION 22, T9S, R19E, S.L.B.&M.**  
**1727' FNL 2126' FWL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC**  
**MAP**

**6 12 01**  
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: K.G. REVISED: 11-13-01



CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Pannonian Energy, Inc.

Well Name & Number: Federal 22-22-9-19

API Number: 43-047-34607

Lease Number: U-78443

Location: SENW Sec. 22 T.9S R. 19E

Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**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 aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

1. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to John Mayers of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment

Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

3. Casing Program and Auxiliary Equipment

In addition to the cementing proposal for the surface casing, Class G neat cement shall be placed within the surface casing-conductor annulus from the surface down to a minimum of 200'

4. Mud Program and Circulating Medium

None

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

To evaluate cement quality across the usable water zone, a Cement Bond Log will be required from the surface casing shoe to the base of the conductor pipe.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Written notification of such must be submitted to this office not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5(d) shall be submitted to the appropriate Field Office within 60 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (1).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO 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. 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 AO or his representative, or the appropriate Surface Managing Agency.

#### 7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries and tested for meter accuracy at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform to Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

SURFACE USE PROGRAM  
Conditions of Approval (COA)

Pannonian Energy, Inc. - Well No.s 11-21-9-19 & 22-22-9-19

Location and Type of Water Supply:

Your permit to drill identified that the Dalbo Ouray Water facility would be used as the water supply for drilling. If any other water source is necessary it will require additional approval by the authorized officer of the Vernal Field Office.

Source of Construction Materials:

Only subsurface soils will be used for construction. All top soils will be stockpiled and identified in the APD for future reclamation of disturbed areas.

Plans For Reclamation of Location:

All seeding for reclamation operations at this location shall use the following seed mixture:

Gardners saltbush	Atriplex gardneri	3 lbs/acre
shadscale	Atriplex confertifolia	3 lbs/acre
Indain rice grass	Oryzopsis hymenoides	2 lbs/acre
galleta grass	Hilaria jamesii	4 lbs/acre

If the seed mixture is to be aerially broadcasted, the pounds per acre shall be doubled. All seed poundages are in Pure Live Seed.

Immediately after construction the stockpiled top soil will be seeded and the seed worked into the soil by "walking" the pile with caterpillar tracks.

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/17/2002

API NO. ASSIGNED: 43-047-34607

WELL NAME: LYTHAM FED 22-22-9-19  
OPERATOR: PANNONIAN ENERGY INC ( N1815 )  
CONTACT: HOWARD SHARPE

PHONE NUMBER: 303-483-0044

PROPOSED LOCATION:

SENW 22 090S 190E  
SURFACE: 1727 FNL 2126 FWL  
BOTTOM: 1727 FNL 2126 FWL  
UINTAH  
PARIETTE BENCH ( 640 )

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

LEASE TYPE: 1 - Federal  
LEASE NUMBER: UTU-78433  
SURFACE OWNER: 1 - Federal

LATITUDE: 40.01870  
LONGITUDE: 109.76780

PROPOSED FORMATION: WSMVD

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. 4127759 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-8496 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

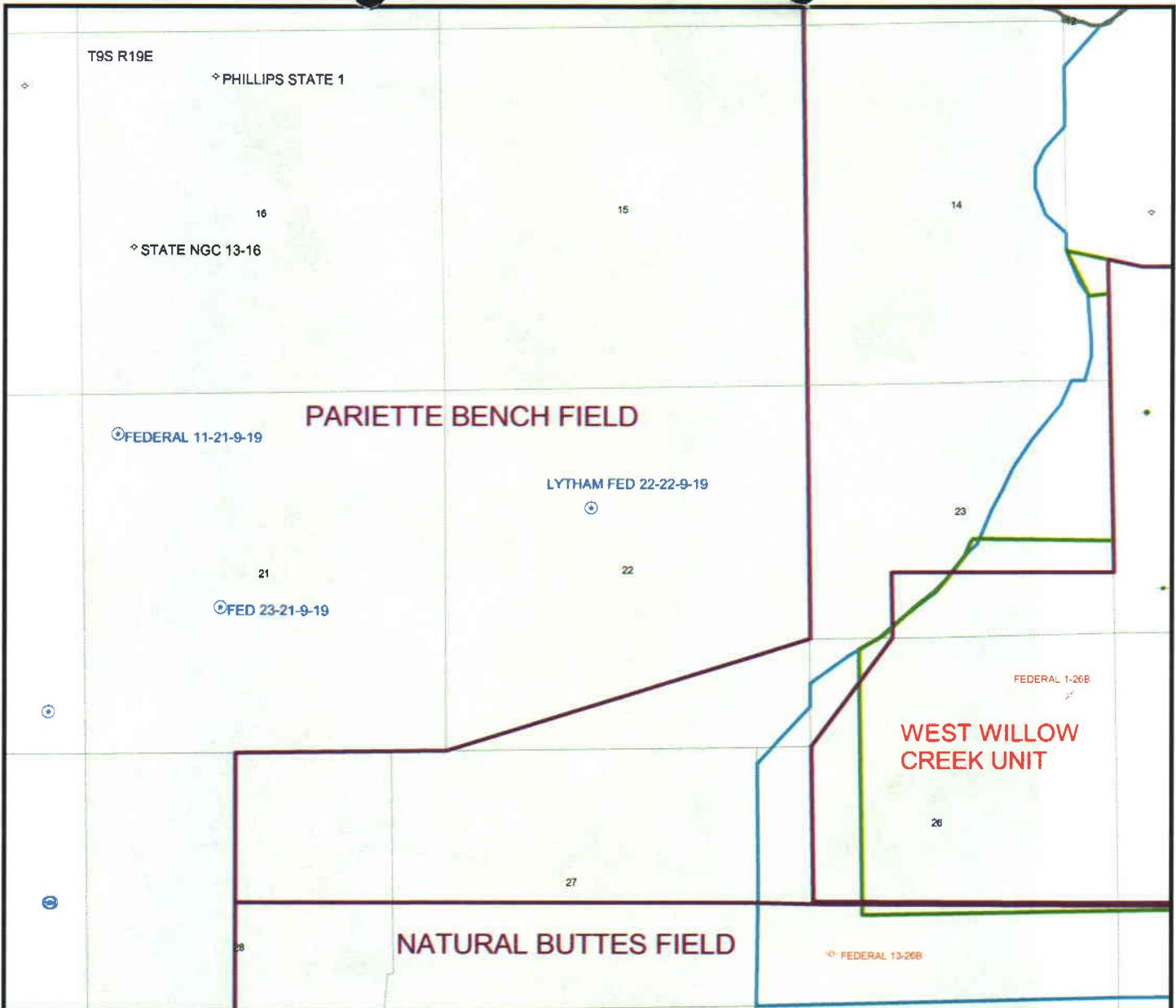
- R649-2-3.  
Unit \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS:

Need Ex Loc Info (recd 8/16/02)  
BLM Approved 12-13-01

STIPULATIONS:

1- Federal Approval  
2- Spacing STIP



Operator Name: PANNONIAN ENERGY (N1815)

Sec. 22 T9S R19E

Field: PARIETTE BENCH (640)

County: UINTAH



Utah Oil Gas and Mining

Field Status

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED
- Township.shp
- Sections

Well Status

- Gas Injection
- Gas Storage
- Location Abandoned
- Location
- Plugged
- Producing Gas
- Producing Oil
- Shut-In Gas
- Shut-In Oil
- Temporarily Abandoned
- Test Well
- Water Injection
- Water Supply
- Water Disposal

Unit Status

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



Prepared By: D. Mason  
Date: 10-June-2002

**GASCO**  
**Energy**



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

16 May 2002

Attn: Lisha Cordova

Re; Latham Federal 22-22-9-19  
Federal 11-21-9-19

Dear Lisha,

I spoke to Marsha at the Vernal BLM field office today and she asks that I send a copy of the approved reference APD's to you for your records. These new locations are slightly offset from the originally filed re-entry APD's. Pannonian engineers discovered that it would be more cost effective to slide the rig over and drill a new well due to the conditions of the old wells.

I will send additional new APD's that were changed to deepen the originally submitted documents.

If you have questions please call me toll free at 877-627-8637

Thank you,

- Copy -

Howard O. Sharpe  
V.P.

**RECEIVED**

AUG 16 2002

**DIVISION OF  
OIL, GAS AND MINING**

P.S. Pannonian Energy Inc. (a Delaware Corp.) is a wholly owned subsidiary of Gasco Energy, Inc (a Nevada Corp.)

005

**GASCO**  
**Energy**



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

15 August 2002

Attn: Lisha Cordova

Re; Latham Federal 22-22-9-19

Dear Lisha,

The purpose of this letter is to request an exception to location to the general sighting rule 649-3-2 for the Latham Federal 22-22-9-19 well. This well is an offset to the Wildrose Resources Latham Federal 22-22 which was located 1583' from the North line and 2231' from the west line. Due to the condition of the Wildrose well bore, Pannonian had to move a few feet away to re-drill this location.

There is no other oil and gas mineral owner within 460' of the current BLM approved location which is 1727' from the North Line and 2126' from the West line.

I have enclosed a copy of my 16 May 2002 letter for your review. Thank you for your help with the required documentation work on this well.

If you have questions please call me toll free at 877-627-8637

Thank you,

Howard O. Sharpe  
V.P.

**RECEIVED**

AUG 16 2002

**DIVISION OF  
OIL, GAS AND MINING**

P.S. Pannonian Energy Inc. (a Delaware Corp.) is a wholly owned subsidiary of Gasco Energy, Inc (a Nevada Corp.)



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

1594 West North Temple, Suite 1210  
 PO Box 145801  
 Salt Lake City, Utah 84114-5801  
 (801) 538-5340 telephone  
 (801) 359-3940 fax  
 (801) 538-7223 TTY  
 www.nr.utah.gov

Michael O. Leavitt  
 Governor  
 Robert L. Morgan  
 Executive Director  
 Lowell P. Braxton  
 Division Director

August 22, 2002

Pannonian Energy, Inc.  
 14 Inverness Dr. E  
 Englewood, CO 80112

Re: Lytham Federal 22-22-9-19 Well, 1727' FNL, 2126' FWL, SE NW, Sec. 22, T. 9 South, R. 19 East, Uintah 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.

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby 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 43-047-34607.

Sincerely,

John R. Baza  
 Associate Director

pb  
 Enclosures

cc: Uintah County Assessor  
 Bureau of Land Management, Vernal District Office

**Operator:** Pannonian Energy, Inc.  
**Well Name & Number** Lytham Federal 22-22-9-19  
**API Number:** 43-047-34607  
**Lease:** UTU-78433

**Location:** SE NW      **Sec.** 22      **T.** 9 South      **R.** 19 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

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

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

GASCO Energy  
Drilling Report  
Lytham Federal #22-22-9-19  
SENW Sec 22, T9S, R19E  
Uintah County, Utah

43-047-34607



**Distribution list:** M. Decker, M. Erickson, R. Dean, H. Sharpe, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

- 10/11/02 Finish dressing off location. Location complete except for pit liner.
- 10/14/02 MIRU Bill Junior Rathole rig. Spud well at 8 AM 10/13/02. Drill 17 1/2" hole to 219'. Ran 13 3/8" 48# H-40 ST&C to 219'. Cemented with 225 sxs of premium Type V cement mixed at 15.6 ppg. Circulated 18 bbls to pit. Plug down at 11:34 AM 10/14/02.
- 10/15/02 WOC
- 10/16/02 PU air hammer and drill 12 1/4" hole to 700'. RD Bill Junior Rathole rig.
- 10/18/02 Install pit liner and fill bottom of pit with water.
- 10/22/02 Start moving in CAZA rig #61.
- 10/23/02 Rig up CAZA #61.
- 10/24/02 Rig up CAZA #61.
- 10/25/02 Rig up CAZA #61.
- 10/26/02 Rig up floor. NU Diverter, Cut off 13 3/8" casing, NU BOP's, new kelly and GIH with Bit # 1 a Security XL-33N Diamond bit.
- 10/27/02 RU new mud pump. Spud well at 5 AM 10-27-02. Drill from 808' to 890' with bit #1.
- 10/28/02 PO Floor motor locked up. Drill from 890' to 1664' with bit #1, then floor motor #3 locked up. Surveys: 3 deg at 1102', 2.75 deg at 1360'. Mud is water.
- 10/29/02 PO Drilling at 2575'. Drill from 1664' to 2575' with bit #1. Surveys: 1deg at 1604', 1/2deg at 2097'. Mud is water. RPM 60+, WOB 45,000#, PP 1450.

GASCO Energy  
Drilling Report  
Lytham Federal #22-22-9-19  
SENEC Sec 22, T9S, R19E  
Uintah County, Utah

- 10/30/02 PO POOH. Drill Green River from 2575' to 3582' with bit #1. POOH and GIH with Bit #2, a Security FM 266 diamond bit. Survey: ½ deg at 3509'. RPM 45+, WOB 45,000#, PP 1550, GPM 615.
- 10/31/02 PO Drilling at 3973'. Drill Green River from 3582' to 3848' with bit #2, diamond bit did not drill well, POOH and LD 1 collar and diamond bit, PU bit #3RR Security XL-33N. GIH, bridge at 2670', ream to btm and drill from 3848' to 3973'. RPM 50+, WOB 30,000#, PP 1800, GPM 605.
- 11/1/02 PO POOH to run surface casing. Drill from 3973' to 4650', pump pill, drop survey SOOH to run casing. MW 8.6, Vis 34, RPM 65+, WOB 45,000#, PP 1750, GPM 615.
- 11/2/02 PO ND Diverter. POOH and LD 8" DC's and mud motor, RU and run 8 5/8" 32# special drift ST&C casing to 4650'. WO Halliburton 1 hour. RU and cement surface casing with 450 sks cement detail to follow. Pump 1" top job down to 200'. Clean tanks, ND BOP's, cut off 8 5/8" casing and 13 3/8" wellhead. Lay down diverter.
- 11/3/02 PO press test BOP's. NU BOP's, Level rig 5hours, Pressure test BOP's to 5000psi, GIH with bit #4, a Security PDC to 4550'. Test annular to 2500 psi and casing to 750 psi. All tested OK.
- 11/4/02 PO drilling at 5484'. Drill float collar, cement and shoe. Drill Green River formation from 4650' to 5484' with bit #4. WOB 20,000#, RPM 60+50, PP 1200#, Mud is water. Survey 1 deg at 5130'.
- 11/5/02 PO drilling at 6818'. Drill Wasatch formation with bit #4, a security FM 2565 PDC bit, from 5484' to 6818'. WOB 20,000#, RPM 60+60, PP 1200. Mud is water.
- 11/6/02 PO Drilling at 7609'. Drill Wasatch formation with bit #4 from 6818' to 7609'. Had 6 shows in last 24 hrs. Survey 2 deg at 6827'. MW 8.4, Vis 27, C1 3500, WOB 30,000#, RPM 60+50, PP 1150, BGG 200-1500, 1250 avg.

GASCO Energy  
Drilling Report  
Lytham Federal #22-22-9-19  
SENW Sec 22, T9S, R19E  
Uintah County, Utah

43-047-34607



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GASCO Energy  
Drilling Report  
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Uintah County, Utah

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- 11/3/02 PO press test BOP's. NU BOP's, Level rig 5hours, Pressure test BOP's to 5000psi, GIH with bit #4, a Security PDC to 4550'. Test annular to 2500 psi and casing to 750 psi. All tested OK.
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- 11/5/02 PO drilling at 6818'. Drill Wasatch formation with bit #4, a security FM 2565 PDC bit, from 5484' to 6818'. WOB 20,000#, RPM 60+60, PP 1200. Mud is water.
- 11/6/02 PO Drilling at 7609'. Drill Wasatch formation with bit #4 from 6818' to 7609'. Had 6 shows in last 24 hrs. Survey 2 deg at 6827'. MW 8.4, Vis 27, CI 3500, WOB 30,000#, RPM 60+50, PP 1150, BGG 200-1500, 1250 avg.
- 11/7/02 PO Drilling at 8000'. Drill Wasatch formation to 7636', circulate and mud up. POOH and lay down bit #4, cutters badly worn, PU bit #5, a STC JS 4602 6 blade diamond bit. GIH and ream to bottom, drill Wasatch from 7636' to 8000'. MW 8.7, Vis 35, Fl 20, Ph 8, CI 3200, Survey 2 ½ deg at 7830'. BGG 150-1550, Avg 850.

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Drilling Report  
Lytham Federal #22-22-9-19  
SENEC Sec 22, T9S, R19E  
Uintah County, Utah

- 11/8/02 PO Drilling at 8656'. Drill Wasatch from 8000' to 8656' with bit #5. Had 2 shows 1455&7850 units. WOB 25,000#, RPM 55+60, PP 1200, GPM 367, MW 8.0, Vis 39, Fl 20, Ph 7.9, Cl 3200. Survey 1 deg at 8585',
- 11/9/02 PO Drilling at 8840'. Drill Wasatch from 8656' to 8679' with bit #5, survey, pump pill, POOH. GIH with bit #6, a STC MF 141V, drill from 8679' to 8840. Had 2 shows 250&1100 units. MW 9.1, Vis 44, Fl 16, Ph 7, RPM 55+60, WOB 45,000#, PP 1725, GPM 373. Surveys: ½ deg at 8668', 1 deg at 8679'.
- 11/10/02 PO Drilling at 9217'. Drill Mesa Verde from 8840' to 9217' with bit #6. Had 1- 700 unit show. MW 9.1, Vis 44, Fl 16, Ph 7, Cl 3200, WOB 45,000#, RPM 55+60, PP 1725, GPM 373
- 11/11/02 PO Drilling at 9250'. Drill Mesa Verde with bit # 6 from 9217'- 9249', Weight up, circ out gas, pump pill, POOH and LD motor and bit #6 ( made 499' in 43 hrs), GIH with bit #7, a 7 7/8" Sec XS-44, and a new motor. MW 8.9, Vis 42, Fl 18, Ph 7, Cl 4000, BGG 50-3000 avg 150. One show 9142'-9171' 8050 units.
- 11/12/02 PO Drilling at 9488'. Drill Mesa Verde with bit #7 from 9250'-9488'. No shows. Survey: 1 deg at 9382'. Mw 9.1, Vis 47, Fl 17.6, Ph 7, Cl 4000, BGG 15-575 avg 400, WOB 45,000#, RPM 50, SPM 115, PP 1725.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

011

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

5. Lease Serial No. **UTU-78433**

6. If Indian, Allottee or Tribe Name  
**N/A**

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

8. Well Name and No.  
**Lytham Federal 22-22-9-19**

9. API Well No.  
**43-047-34607**

10. Field and Pool, or Exploratory Area  
**Riverbend**

11. County or Parish, State  
**Uintah County, Utah**

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Pannonian Energy, Inc. (a wholly-owned subsidiary of GASCO ENERGY)**

3a. Address  
**14 Inverness Drive E., Ste. H--236, Englewood, CO 80112**

3b. Phone No. (include area code)  
**303-483-0044**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1727' FNL & 2126' FWL (SENW)  
Section 22, T09S-R19E**

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

Pannonian Energy has spud the Lytham Federal 22-22-9-19 well on October 13, 2002 using Bill Junior's Rathole Rig. CAZA rig #61 will be moved onto location and is anticipated to resume drilling the well on or about October 23, 2002.

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

Name (Printed/Typed) <b>John Longwell</b>	Title <b>Operations Manager</b>
Signature 	Date <b>October 16, 2002</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

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

Title 18 U.S.C. Section 1001, 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.

(Instructions on reverse)

**RECEIVED**

OCT 21 2002

DEPARTMENT OF  
BUREAU OF LAND MANAGEMENT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

012

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

5. Lease Serial No.  
**UTU-78433**

6. If Indian, Allottee or Tribe Name  
**N/A**

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8. Well Name and No.  
**Lytham Federal 22-22-9-19**

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**43-047-34607**

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**Riverbend**

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**Uintah County, Utah**

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3a. Address  
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3b. Phone No. (include area code)  
**303-483-0044**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1727' FNL & 2126' FWL (SENW)  
Section 22, T09S-R19E**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
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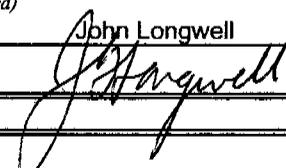
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Pannonian Energy would like to amend the drilling plan to show an 11" hole being drilled to 4650', and 8 5/8" 32# special drift J-55 ST&C casing being run to 4650'. The surface casing will be cemented with a lead slurry of 560 sxs of Hi-Fill cement mixed at 11ppg, yield =3.83 ft3/sk, followed by 200 sxs of premium cement mixed at 15.8 ppg, yield =1.16, with 2% CaCl.

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

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

Name (Printed/Typed) **John Longwell** Title **Operations Manager**

Signature  Date **October 16, 2002**

THIS SPACE FOR FEDERAL OR STATE USE

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

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

Office \_\_\_\_\_

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(Instructions on reverse)

**RECEIVED**  
OCT 21 2002  
DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

009

SUNDRY NOTICE 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

FORM APPROVED  
Bureau No. 1004-0135  
Expires September 30, 1990

1. Type of Well

Oil WELL  Gas Well  Other

2. Name of Operator

**GASCO ENERGY, INC. dba PANNONIAN ENERGY INC.**

3. Address and Telephone No.

14 INVERNESS DR. E., ENGLEWOOD, CO 80112 (303)483-0044

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

1727' FNL 2126' FWL (SE/NW)  
SECTION 22, T9S, R19E

5. Lease Designation and Serial No.  
UTU-78433

6. If Indian, Allottee or Tribe Name

7. If Unit or C.A., Agreement Designation

8. Well Name and No.

LYTHAM FEDERAL 22-22-9-19

9. API Well No.

~~43-047-32783~~ 34607

10. Field and Pool or Exploratory Area

RIVERBEND

11. County

State

UINTAH

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

- ABANDONMENT
- RECOMPLETION
- PLUGGING BACK
- CASING REPAIR
- ALTERING CASING
- OTHER: Requesting extension of permit to drill
- CHANGE OF PLANS
- NEW CONSTRUCTION
- NON-ROUTINE FRACTURING
- WATER SHUT-OFF
- CONVERSION TO INJECTION

(Note: Report results of multiple completion on Well Completions or Recompletion Report and Log Form.)

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).

GASCO ENERGY, INC. dba PANNONIAN ENERGY INC. is requesting that the APD for the subject well be extended for one year

RECEIVED  
RECEIVED 2002  
OCT - 1 2002

CONDITIONS OF APPROVAL ATTACHED

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

SIGNED

*Ed Trotter*

TITLE Agent

DATE 9/27/2002

(This space for Federal or State office use)

APPROVED BY

*Rich Fulwood*

Petroleum Engineer

DATE

10/17/02

CONDITIONS OF APPROVAL, IF ANY:

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

UDOGM

Gasco Energy, Inc. dba Pannonian Energy Inc.  
APD Extension

Well: Federal 22-6-9-19

Location: SENW Sec. 22, T9S, R19E

Lease: U-78433

**CONDITIONS OF APPROVAL**

An extension for the referenced APD is granted with the following conditions:

---

1. The extension will expire December 13, 2003
2. No other extensions beyond that time frame will be granted or allowed.

If you have any other questions concerning this matter, please contact Kirk Fleetwood at (435) 781-4486.

**ENTITY ACTION FORM**

Operator: Gasco Energy/Pannonian Energy Inc.  
Address: 14 Inverness Dr. East Suite H-236  
city Englewood  
state CO zip 80112-5625

Operator Account Number: N 1815  
Phone Number: (303) 483-0044

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304734607	Lytham Federal 22-22-9-19		senw	22	9s	19e	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	13640	10/13/2002		10-30-02		
Comments: New Well							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304734201	Federal 32-31-9-19		swne	31	9s	19e	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	13641	10/20/2002		10-30-02		
Comments: New Well							

**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)

John D. Longwell

Name (Please Print)

Signature

Operations Manager

Title

10/28/2002

Date

GASCO Energy  
 Drilling Report  
 Lytham Federal #22-22-9-19  
 SENW Sec 22, T9S, R19E  
 Uintah County, Utah

43-047-34607



**Distribution list:** M. Decker, M. Erickson, R. Dean, H. Sharpe, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

- 10/11/02      Finish dressing off location. Location complete except for pit liner.
- 10/14/02      MIRU Bill Junior Rathole rig. Spud well at 8 AM 10/13/02. Drill 17 ½” hole to 219’. Ran 13 3/8” 48# H-40 ST&C to 219’. Cemented with 225 sxs of premium Type V cement mixed at 15.6 ppg. Circulated 18 bbls to pit. Plug down at 11:34 AM 10/14/02.
- 10/15/02      WOC
- 10/16/02      PU air hammer and drill 12 ¼” hole to 700’. RD Bill Junior Rathole rig.
- 10/18/02      Install pit liner and fill bottom of pit with water.
- 10/22/02      Start moving in CAZA rig #61.
- 10/23/02      Rig up CAZA #61.
- 10/24/02      Rig up CAZA #61.
- 10/25/02      Rig up CAZA #61.
- 10/26/02      Rig up floor. NU Diverter, Cut off 13 3/8” casing, NU BOP’s, new kelly and GIH with Bit # 1 a Security XL-33N Diamond bit.
- 10/27/02      RU new mud pump. Spud well at 5 AM 10-27-02. Drill from 808’ to 890’ with bit #1.
- 10/28/02      PO Floor motor locked up. Drill from 890’ to 1664’ with bit #1, then floor motor #3 locked up. Surveys: 3 deg at 1102’, 2.75 deg at 1360’. Mud is water.
- 10/29/02      PO Drilling at 2575’. Drill from 1664’ to 2575’ with bit #1. Surveys: 1deg at 1604’, 1/2deg at 2097’. Mud is water. RPM 60+, WOB 45,000#, PP 1450.

GASCO Energy  
Drilling Report  
Lytham Federal #22-22-9-19  
SENW Sec 22, T9S, R19E  
Uintah County, Utah

- 10/30/02 PO POOH. Drill Green River from 2575' to 3582' with bit #1. POOH and GIH with Bit #2, a Security FM 266 diamond bit. Survey: ½ deg at 3509'. RPM 45+, WOB 45,000#, PP 1550, GPM 615.
- 10/31/02 PO Drilling at 3973'. Drill Green River from 3582' to 3848' with bit #2, diamond bit did not drill well, POOH and LD 1 collar and diamond bit, PU bit #3RR Security XL-33N. GIH, bridge at 2670', ream to btm and drill from 3848' to 3973'. RPM 50+, WOB 30,000#, PP 1800, GPM 605.
- 11/1/02 PO POOH to run surface casing. Drill from 3973' to 4650', pump pill, drop survey SOOH to run casing. MW 8.6, Vis 34, RPM 65+, WOB 45,000#, PP 1750, GPM 615.
- 11/2/02 PO ND Diverter. POOH and LD 8" DC's and mud motor, RU and run 8 5/8" 32# special drift ST&C casing to 4650'. WO Halliburton 1 hour. RU and cement surface casing with 450 sks cement detail to follow. Pump 1" top job down to 200'. Clean tanks, ND BOP's, cut off 8 5/8" casing and 13 3/8" wellhead. Lay down diverter.
- 11/3/02 PO press test BOP's. NU BOP's, Level rig 5hours, Pressure test BOP's to 5000psi, GIH with bit #4, a Security PDC to 4550'. Test annular to 2500 psi and casing to 750 psi. All tested OK.
- 11/4/02 PO drilling at 5484'. Drill float collar, cement and shoe. Drill Green River formation from 4650' to 5484' with bit #4. WOB 20,000#, RPM 60+50, PP 1200#, Mud is water. Survey 1 deg at 5130'.
- 11/5/02 PO drilling at 6818'. Drill Wasatch formation with bit #4, a security FM 2565 PDC bit, from 5484' to 6818'. WOB 20,000#, RPM 60+60, PP 1200. Mud is water.
- 11/6/02 PO Drilling at 7609'. Drill Wasatch formation with bit #4 from 6818' to 7609'. Had 6 shows in last 24 hrs. Survey 2 deg at 6827'. MW 8.4, Vis 27, Cl 3500, WOB 30,000#, RPM 60+50, PP 1150, BGG 200-1500, 1250 avg.
- 11/7/02 PO Drilling at 8000'. Drill Wasatch formation to 7636', circulate and mud up. POOH and lay down bit #4, cutters badly worn, PU bit #5, a STC JS 4602 6 blade diamond bit. GIH and ream to bottom, drill Wasatch from 7636' to 8000'. MW 8.7, Vis 35, Fl 20, Ph 8, Cl 3200, Survey 2 ½ deg at 7830'. BGG 150-1550, Avg 850.

GASCO Energy  
Drilling Report  
Lytham Federal #22-22-9-19  
SENW Sec 22, T9S, R19E  
Uintah County, Utah

- 11/8/02 PO Drilling at 8656'. Drill Wasatch from 8000' to 8656' with bit #5. Had 2 shows 1455&7850 units. WOB 25,000#, RPM 55+60, PP 1200, GPM 367, MW 8.0, Vis 39, Fl 20, Ph 7.9, Cl 3200. Survey 1 deg at 8585',
- 11/9/02 PO Drilling at 8840'. Drill Wasatch from 8656' to 8679' with bit #5, survey, pump pill, POOH. GIH with bit #6, a STC MF 141V, drill from 8679' to 8840. Had 2 shows 250&1100 units. MW 9.1, Vis 44, Fl 16, Ph 7, RPM 55+60, WOB 45,000#, PP 1725, GPM 373. Surveys: ½ deg at 8668', 1 deg at 8679'.
- 11/10/02 PO Drilling at 9217'. Drill Mesa Verde from 8840' to 9217' with bit #6. Had 1- 700 unit show. MW 9.1, Vis 44, Fl 16, Ph 7, Cl 3200, WOB 45,000#, RPM 55+60, PP 1725, GPM 373
- 11/11/02 PO Drilling at 9250'. Drill Mesa Verde with bit # 6 from 9217'- 9249', Weight up, circ out gas, pump pill, POOH and LD motor and bit #6 ( made 499' in 43 hrs), GIH with bit #7, a 7 7/8" Sec XS-44, and a new motor. MW 8.9, Vis 42, Fl 18, Ph 7, Cl 4000, BGG 50-3000 avg 150. One show 9142'-9171' 8050 units.
- 11/12/02 PO Drilling at 9488'. Drill Mesa Verde with bit #7 from 9250'-9488'. No shows. Survey: 1 deg at 9382'. Mw 9.1, Vis 47, Fl 17.6, Ph 7, Cl 4000, BGG 15-575 avg 400, WOB 45,000#, RPM 50, SPM 115, PP 1725.
- 11/13/02 PO Drilling at 9750'. Drill Mesa Verde from 9488' to 9750' with bit #7. MW 9.2, Vis 50, Fl 17.6, Ph 7, RPM 28+, WOB 40,000#, PP 1850, SPM 114, GPM 347. One show 9630'-9656' 6773 units. BGG 50-500 units avg 350.
- 11/14/02 PO Drilling at 10018'. Day 22, drill Mesa Verde from 9750' to 10018' with bit #7. MW 9.3, Vis 50, Fl 13.6, Ph 7, Cl 3500, RPM 28+, WOB 45,000#, PP 1900, SPM 115, GPM 341. Survey 1 ½ deg at 9822'. BGG 50-500 avg 350. Show #21 9832'-9850' 1985 units.
- 11/15/02 PO Drilling at 10119'. Drill Mesa Verde from 10018' to 10045' with bit #7, pump pill POOH, LD motor, PU Smith MA62PX diamond bit and low speed motor and GIH, drill to 10119' with bit #8. MW 9.5, Vis 51, Fl 17, Ph 7, Cl 3200, RPM 50+60, WOB 25,000#, PP 1550, SPM 115, GPM 330. BGG 200-500 avg 350. Show #24 10060'-10070' 3400 units.

GASCO Energy  
Drilling Report  
Lytham Federal #22-22-9-19  
SENEC Sec 22, T9S, R19E  
Uintah County, Utah

- 11/16/02 PO Drilling at 10250'. Drill Mesa Verde from 10119' to 10168' with diamond bit. Pump pill, POOH and LD low speed motor, PU Security XS-44 and high speed motor and GIH. Drill from 10168' to 10250' with bit #9. MW 9.5, Vis 50, Fl 18, Ph 7, Cl 3000, RPM 60+, WOB 25,000#, PP 1600, GPM 341. Show # 24 10142'-10162' 7000 units.
- 11/17/02 PO Drilling at 10553'. Day 25. Drill Mesa Verde from 10250' to 10553' with bit #9. MW 9.5, Vis 51, Fl 15, Ph 7, Cl 3000, RPM 28+, WOB 40,000#, PP 1700, GPM 344. Show #25 10460'-10473' 4005 units.
- 11/18/02 PO Fishing for cone. Day 26. Drill Mesa Verde from 10553' to 10698' with bit #9. Pump pill POOH found cone missing, WO fishing tools, GIH with mill and junk basket, mill cone, circ pill, POOH. MW 9.5, Vis 55, FL 16, Ph 8, Cl 3000, RPM 25+, PP 1800, SPM 105, GPM 334.  
Show #26 10506'-10522' 3365 units  
Show #27 10594'-10603' 2780 units
- 11/19/02 PO GIH with bit #10. POOH with mill and junk basket, no recovery, GIH with magnet and Junk basket, circulate gas out, condition mud, pump pill, chain OOH, recovered fish. GIH with bit #10 a Security XS-44. MW 10.2, Vis 47, FL 16, Ph 8, Cl 3000.
- 11/20/02 PO Tripping for a new bit. Drill Mesa Verde from 10698' to 10764' with bit #10. Pump pill, POOH for new bit. MW 9.9, Vis 49, Fl 22, Ph8, CL 3200, RPM 50+, WOB 46,000#, PP 1450, SPM 115, BGG 30-2300, avg 850.
- 11/21/02 PO Drilling at 10899'. Fin GIH with bit #11, a Security XS-48, Drill Mesa Verde from 10764' to 10899'. MW 10, Vis 50, Fl 16, Ph 7.5, Cl 3200, WOB 35,000#, RPM 40+, PP1800, SPM 110. Show # 28 10778'-10788' 7150 units, BGG 150-3000 units, avg 1900.
- 11/22/02 PO Drilling at 11139'. Drill Mesa Verde from 10899' to 11139' with bit #11. MW 10.2, Vis 50, Fl 20, Ph 8, Cl 3000, WOB 40,000#, RPM 45+, PP 1650, SPM 110. BGG 300-3000, avg 900 units. Show #29 10930'-10944' 8100 units.
- 11/23/02 PO Fishing for lost cone at 11139'. Mix and pump pill, POOH found one cone missing, PU magnet and bit sub, GIH, circ and cond mud, chain OOH. No recovery. GIH with mill and junk sub. MW 10.2, Vis 50, Fl 17.5, Ph 8, Cl 3000, BGG 300-1500 units, avg 1200

GASCO Energy  
Drilling Report  
Lytham Federal #22-22-9-19  
SENE Sec 22, T9S, R19E  
Uintah County, Utah

- 11/24/02 PO Drilling at 11165'. Fin GIH with mill and junk sub, circ and cond mud, mill on junk, circulate and POOH. Lay down mill and junk sub, PU bit #12, a Smith F45H and GIH, drill Mesa Verde from 11139' to 11165'. MW 10.3, Vis 51, Fl 18, Ph 8, Cl 3000.
- 11/25/02 PO Drilling at 11311'. Drill Mesa Verde with bit #12 from 11165' to 11311'. MW 10.2, Vis 47, Fl 22, Ph 8, Cl 3000, RPM 60+, WOB 45,000#, PP 1600, SPM 110. BGG 800-1500 units, avg 1250.
- 11/26/02 PO Pump pill. Drill Mesa Verde with bit #12 from 11311' to 11438', circulate, pump pill and prepare to POOH. MW 10.2, Vis 55, Fl 20, Ph 8, Cl 3500, RPM 60, WOB 48,000#, PP 1600, SPM 110.
- 11/27/02 PO GIH with bit #13. POOH, PU magnet and junk basket, GIH to 7000', circ out gas, GIH to 11442', circ gas, work magnet, raise MW to 10.3, pump pill, POOH with fish, GIH with bit #13, a Security XS-55. MW 10.3, Vis 51, Fl 20, Ph 8, Cl 3200.
- 11/28/02 PO drilling at 11528'. Drill Mesa Verde from 11442' to 11528' with bit #13. MW 10.5, Vis 52, Fl 23, Ph 7.5, Cl 3000, BGG 1700-2200, avg 2000, WOB 35000#, RPM 55, SPM 105, PP 1490. Show #30 11424' - 11442' 6410 units.
- 11/29/02 PO POOH for new bit. Drill Castlegate from 11528' to 11584' with bit #13, build mud weight to 11.0 ppg, pump pill and POOH, GIH with bit #14. MW 11.0, Vis 48, FL 28, Ph 8, WOB 40,000#, RPM 55, PP 1400, SPM 105.
- 11/30/02 PO Drilling at 11712'. GIH with bit #14, a Security XS-52, C&C mud at 7500', GIH and drill Castlegate from 11584' to 11712'. MW 11.2, Vis 46, Fl 20, Ph 8, Cl 3000, WOB 35,000#, RPM 50, PP 1450, SPM 104, GPM 331. Show #31 11523'-11537' 6600 units, Show #32 11548'-11580' 7144 units, Show #33 11653'-11664' 9500 units. BGG 3000-5000 units.
- 12/1/02 PO Drilling at 11852'. Drill Castlegate formation from 11712' to 11852' with bit #14. MW 11.5, Vis 45, Fl 33, Ph 8, Cl 3000, WOB 38,000#, RPM 50, PP1650, SPM 105. Show #34 11798'-11828' 8800 units.
- 12/2/02 PO C&C mud for logs. Drill Castlegate formation from 11852' to 11900' with bit #14, circ & cond mud, add LCM for losses, make 20 stand short trip, build mud weight to 12.1 for logs. MW 11.8, Vis 42, Fl 34, Ph 8, Cl

GASCO Energy  
Drilling Report  
Lytham Federal #22-22-9-19  
SENE Sec 22, T9S, R19E  
Uintah County, Utah

3000, RPM 55, WOB 45, PP 1600, SPM 106, BGG 650-3900 units, Avg 2250.

- 12/3/02 PO Rig down Halliburton Logging Service. Circ and cond mud, make 20 stand short trip, MW 12.5 in, 12.0 out, GIH to 11900', C&C mud, pump pill, POOH for logs, RU Halliburton Logging Service, run GR-Neutron, Spectral Density, HRI from 11885LTD to base of surface casing. MW 12.3, Vis 46, Fl 53, Ph 8, Cl 2600.
- 12/4/02 PO LD collars. RD loggers, cut drill line, GIH and C&C mud at 4300', 8200', and at 11,900'. RU laydown machine, POOH and LD DP, LD DC's. MW 12.4, Vis 43, Fl 55, Ph 8, Cl 2600.
- 12/5/02 PO Clean mud tanks. Fin LDDP, RU West States casing crew, Run 317 jts of 4 1/2" 13.5# P-110 LT&C casing to 11900'. PBT 11856'. RU Halliburton, pumped 235 sxs HLC mixed at 12.6 ppg followed by 2315 sxs of 50-50 Poz mixed at 13.6 ppg. Cement job went fine, had full returns, bumped latch down plug with 2500psi over. ND BOP'S, set csg slips with 120,000#, NU blank head. Haul mud to storage at Baroids yard, clean mud tanks. Rig will stack on location until next move. FINAL REPORT UNTIL COMPLETION.

*LYTHAM*  
GASCO Energy  
Drilling Report  
Federal #22-22-9-19  
SENEC Sec 22, T9S, R19E  
Uintah County, Utah

*43-047-34607*



**Distribution list:** M. Decker, M. Erickson, R. Dean, H. Sharpe, J. Longwell, Phillips Petroleum, R. Weathermon, M. Rael

- 10/11/02      Finish dressing off location. Location complete except for pit liner.
- 10/14/02      MIRU Bill Junior Rathole rig. Spud well at 8 AM 10/13/02. Drill 17 ½” hole to 219’. Ran 13 3/8” 48# H-40 ST&C to 219’. Cemented with 225 sxs of premium Type V cement mixed at 15.6 ppg. Circulated 18 bbls to pit. Plug down at 11:34 AM 10/14/02.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

015

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

5. Lease Serial No. **UTU-78433**

6. If Indian, Allottee or Tribe Name **NA**

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

8. Well Name and No. **LYTHAM FEDERAL 22-22-9-19**

9. API Well No. **43-047-34607**

10. Field and Pool, or Exploratory Area **Riverbend**

11. County or Parish, State **Uinta County, Utah**

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**Pannonian Energy, Inc., a wholly owned subsidiary of Gasco Energy**

3a. Address  
**14 Inverness Drive East, Englewood, CO 80112**

3b. Phone No. (include area code)  
**303-483-0044**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1727' FNL & 2126' FWL (SENSW), Sec. 22-T09S-R19E**

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>Site Security Diagram</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 Operations (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.

Attached is the Site Security and/or Production Facility Diagrams for the Lytham Federal 22-22-9-19 well.

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

Name (Printed/Typed) <b>John Longwell</b>	Title <b>Operations Manager</b>
Signature 	Date <b>May 23, 2003</b>

THIS SPACE FOR FEDERAL OR STATE USE

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

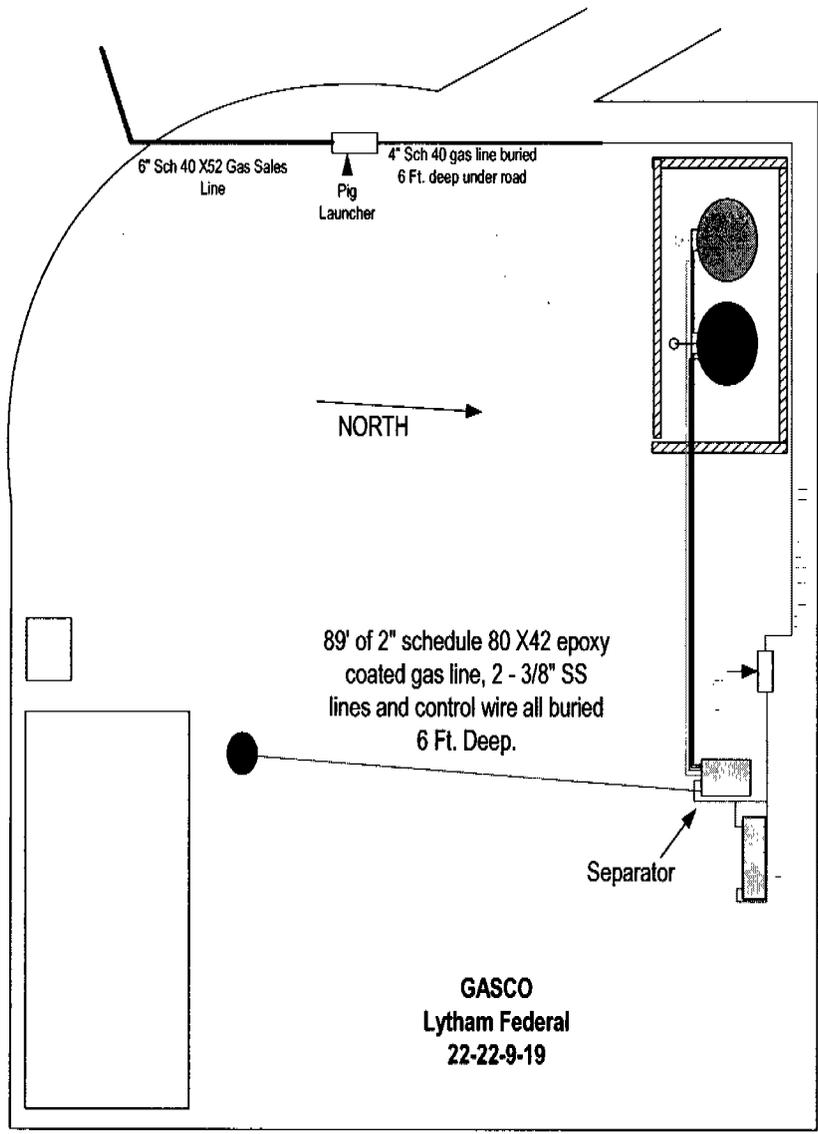
Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

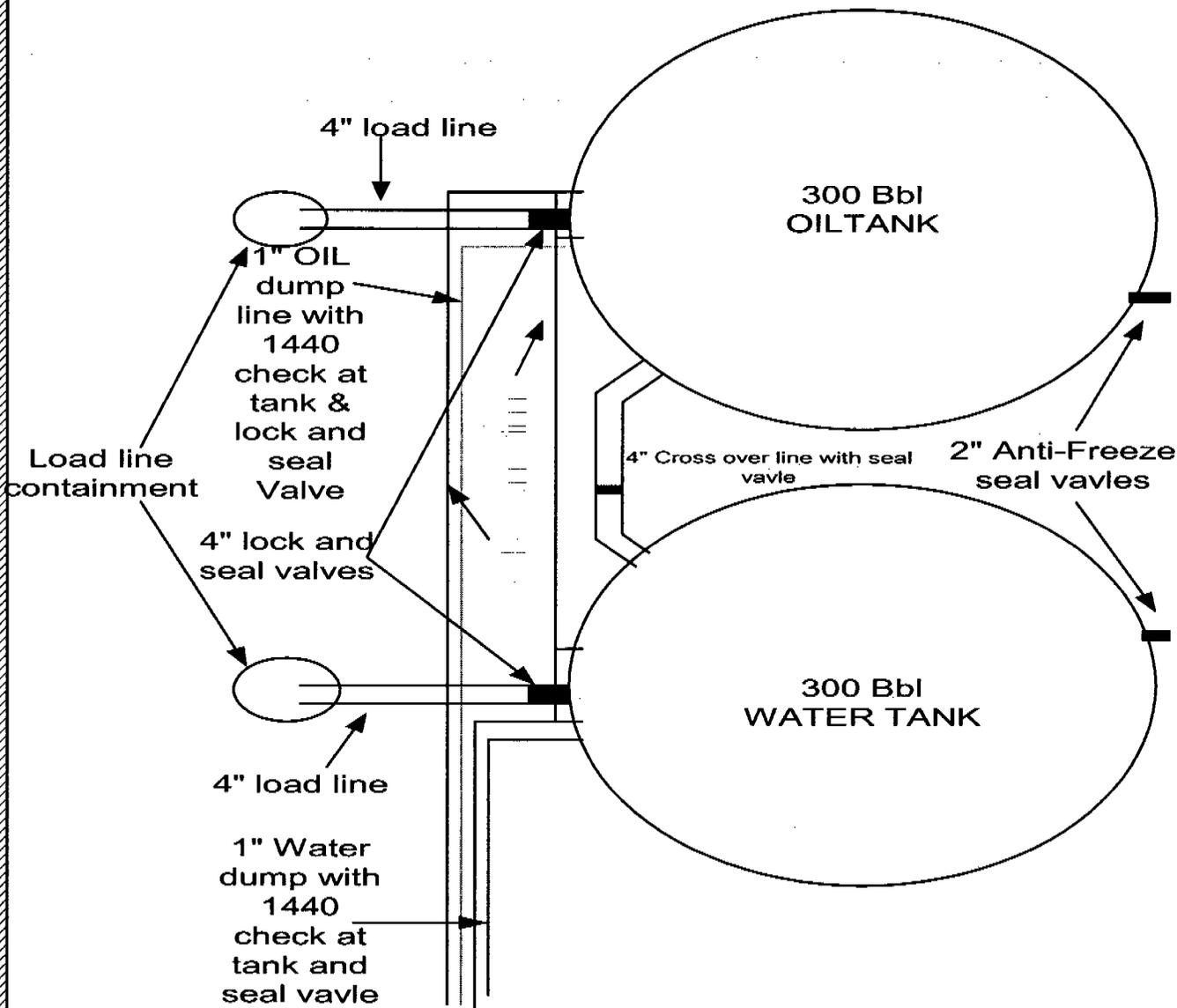
MAY 29 2003

DIV. OF OIL, GAS & MINING



**GASCO**  
**Lytham Federal**  
**22-22-9-19**

Berm 2' high X 36' wide X 45' long = 3240 FT<sup>3</sup>  
3240 FT<sup>3</sup> = 577Bbls



**GASCO LYTHAM Federal 22-22-9-19**



016	03/25/03	Cut off csg & install tbg hd. Pack off seal area to 10,000 psi & PT. Tstd gd. Prep to run CBL, bld pads for prod'n equip. DC: \$27,251	CC: \$27,251
	03/26/03	RU WL. TIH w/GR-CCL-CBL tool. GR quit wrkg @ ±7000'. TOH. Tool hit pack off head & pulled tool out of rope socket, dropping tool in the well. WO fishing tools. PU 3 3/4" OD overshot w/ 1-7/16" grapple. TIH & tag fish ±11,750'. Pull up & gain ±500# wt. TOH w/fishing tools. LD tools. SDFN. Hauled in gravel & built pad for prod'n tnks & equip. DC: \$ 1,740	CC: \$28,991
	03/27/03	PU GR-CCL-CBL tool & TIH, tag TD @ 11,806'. Correlate to SDL-DSN log. Run main log. Logged OOH to surf. TOC @ surf. Bond looks gd to excellent fr/ TD to surf. Open 2" vlv on surf csg. Found cmt in vlv & 2" nipple. UL & inspect hook-up equip. UL & set separator, dehy & 2 300-bbl prod'n tnks. Set tnk landing & stairs. Start to weld out 2" blw dwn line fr/ separator to wtr tnk. Start to hook-up inlest of separator. SDFN due to high winds & rain. DC: \$12,033	CC: \$41,024
	03/28/03	UL heat trace coils. Install coils in tnks. Bld stands for heat trace & dmp lines. Plumb WH for flw line to separator. Plumb separator output to dehy. SDFN due to high winds & blwg snow. DC: \$ 2,450	CC: \$43,474
	03/29/03	Fin welding out blw line. Dig ditch fr/ WH to separator 6' deep. Weld out flw line. Run SS tbg & control wire. Screw 1" heat trace lines together & put in ditch. Backfill ditch. DC: \$ 3,234	CC: \$46,708
	03/30/03	SDFWE.	
	04/01/03	Hook up oil & wtr dmp lines. Plumb heat trace lines fr/ separator to tnks & WH. Fin hook-up of meter run to separator output. Compact trench fr/ WH to separator. Brace blw dwn line to wtr tnk. Strap both oil & wtr tnks. WO gas sales line permit. Drop fr/ rpt until further activity. DC: \$40,352	CC: \$87,060
	04/08/03	MI & spot HES E-Line. ND WH. NU frac vlv, flw tee, flw back vlv. Tst flw line, frac vlv, flw tee & flw back vlv to 4800 psi/10 min. Slight leak on frac vlv stem packing. Bleed off after 10 min. Tighten stem packing. Press up csg, frac vlv, flw tee, flw back vlv to 9090 psi. Hold 20 min. SI flw back vlv. Bleed off hard line. Watch flw back vlv/10 min. All tst gd. Csg lost 100 psi/30 min. RU WL. PU 4' perf gun loaded 3 spf, 20° ph, 0.32" EHD, mill charges. <u>Perf Mesaverde fr/ 11,486'-90'</u> . All shots fired, 12 total holes. RU HES pmp truck. Install surf gauge. Tst hard lines to 9000 psi - tst gd. Pmp "G" function. Brk @ 4036 psi. Pmp 24.6 bbbls @ 4.8 BPM. ISIP 3930 psi. 5 min 3781 psi - 10 min 3694 psi - 15 min 3116 psi - 1 hr 3116 psi. Secure well. Lock in press to surf gauge. RD pmp trucks. Prep to pull gauges. DC: \$13,477	CC: \$100,537
	04/09/03	WOPL. Pull surf gauge fr/ "G" function @ 12:00 hrs. Gauges showed 2525 psi & WH gauge shows 2550 psi. Plumb meth pmps to WH & sales line. DC: \$18,712	CC: \$119,249
	04/10/03	Bld road crossing & trench. Fin tnk battery. Prep to insulate in the AM. Prep to install sdpiper pmp & insulate pipe bundle. DC: \$ 1,436	CC: \$120,686
	04/11/03	Fin prod'n facility. Tie-in 2" meter run to 4" road crossing. Install sdpiper pmp f/ heat trace lines. Insulate prod'n tnks. Fin dehy vent line & drip tnk. Bld berm around prod'n tnks. Prep to fin tnks in AM & insulate pipe bundle. DC: \$ 1,471	CC: \$122,156

**GAS ENERGY - LYTHAM FEDERAL 22-22-9**  
**SENECA Sec. 22-09S-19E**  
**Uintah County, Utah**  
**DAILY COMPLETION REPORT**

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04/12/03	Fin insulation of prod'n tnks. Start insulation of pipe bundle. Rtn extra pts & fittings to Red Man Supply. Fill dehy, separator, meth tnk. WOPL. DC: \$ 1,436	CC: \$123,592
04/13/03	SDFS. DC: \$ 216	CC: \$123,808
04/14/03	SDFS. DC: \$ 216	CC: \$124,024
04/15/03	SI. WOPL Permit. DC: \$ 216	CC: \$124,240
04/16/03	SICP 2450 psi. WOPL. DC: \$14,589	CC: \$138,831
04/17/03	WOPL. Meet trucks w/PL & lead to location. UL trucks. DC: \$ 1,436	CC: \$140,268
04/18/03	WOPL permit. DC: \$ 148	CC: \$140,416
04/19/03	WOPL permit. DC: \$42,213	CC: \$182,629
04/20/03	WOPL permit. DC: \$ 148	CC: \$182,777
04/21/03	WOPL permit. DC: \$ 148	CC: \$182,925
04/22/03	WOPL permit. DC: \$ 148	CC: \$183,073
04/23/03	WOPL permit. DC: \$ 148	CC: \$183,221
04/24/03	WOPL permit. SICP 2450 psi. DC: \$ 148	CC: \$183,369
04/25/03	WOPL permit. SICP 2450 psi. DC: \$ 148	CC: \$183,517
04/26/03	SI. WOPL permit. SICP 2450 psi. DC: \$ 148	CC: \$183,665
04/27/03	SI. WOPL permit. DC: \$ 148	CC: \$183,813
04/28/03	SI. WOPL permit. DC: \$ 148	CC: \$183,961
04/29/03	SICP 2450 psi. WOPL permit. DC: \$ 148	CC: \$184,109
04/30/03	SICP 2450 psi. WOPL permit. DC: \$ 148	CC: \$184,257
05/01/03	SICP 2450 psi. WOPL permit. Bld flw line to pit to blw dwn CP. DC: \$ 8,919	CC: \$193,176

**GAS ENERGY - LYTHAM FEDERAL 22-22-9**  
**SENV Sec. 22-09S-19E**  
**Uintah County, Utah**  
**DAILY COMPLETION REPORT**

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05/02/03	SICP 2450 psi. WOPL permit. DC: \$ 156	CC: \$193,332
05/03/03	Flw to pit, bring press dwn on csg. Flwd 30 bbls to pit. SIW. Press built back up fr/ 0 psi to 1800 psi/2½ hrs. Notified that the PL permit was signed by the BLM and be picked up at their office. Prep to start on PL 5/7 or 5/8. DC: \$ 1,376	CC: \$194,708
05/04/03	SI. WOPL. DC: \$ 156	CC: \$194,864
05/05/03	SI. WOPL. DC: \$ 156	CC: \$195,020
05/06/03	Moab side boom, pipe racks, welding frame & back hoe. DC: \$ 156	CC: \$195,176
05/07/03	SICP 3100 psi. Weld out 26 jts of 6½" gas sales line. Will move into place after getting all the pipe welded together. DC: \$ 1,368	CC: \$196,544
05/08/03	SICP 3100 psi. Cont to weld out 6" gas sales line (welded out the last 25 jts that were on this loc). Start pulling frost section into place. SD due to high winds & rain. Will move equip to Lytham loc & start welding section together in the a.m. DC: \$ 4,658	CC: \$201,202
05/09/03	Load pipe racks, side bomb & 8½" pipe fr/ the Federal 23-21-9-19 loc & haul to the Lytham 22-22. UL equip & set pipe racks. Weld 6" gas line (welded 23 jts together). DC: \$ 4,346	CC: \$205,548
05/10/03	SICP 3100 psi. Cont to weld 6" sales line into short section on loc. Welded out 16 jts before having to SD due to rain & mud on loc. DC: \$ 5,154	CC: \$210,702
05/11/03	SICP 3100 psi. DC: \$ 148	CC: \$210,850
05/12/03	SICP 3100 psi. DC: \$ 148	CC: \$210,998
05/13/03	SICP 3100 psi. Cont to weld 6" gas sales line into sections on loc. Weled total of 32 jts. Meet w/BLM on best way to get into flood plane & plans to get line into place w/cat. DC: \$ 7,841	CC: \$218,839
05/14/03	SICP 3050 psi. Weld out 8 jts (336') of 8" schedule 40 pipe to cover the 6" through the flood plane. Push off hill into the btm area. Walk the side boom fr/ loc dwn into the flood plane area to move pipe. Weld 3 of the section of 6 jts of 6" pipe together & push off hill into the flood plane area. Cover ends of pipe & SDFN. DC: \$10,067	CC: \$228,906
05/15/03	SICP 3100 psi. Cont to weld 6-jt section into 18-jt section & push off hill into flood plane. All pipe is off hill & ready to be pulled into palce. Start to assemble pig launcher on loc. Will bring D8 cat out in the a.m. to pull pipe on ROW. Install sales meter house. Manifold missing - will finish when manifold comes in. Install 1" plate in meter run. DC: \$ 4,359	CC: \$233,265

**GAS ENERGY - LYTHAM FEDERAL 22-22-9**  
**SENW Sec. 22-09S-19E**  
**Uintah County, Utah**  
**DAILY COMPLETION REPORT**

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05/16/03	SICP 3150 psi. Haul D8 cat to loc & UL. Hook up to 6", 18-jt section gas line & start to pull pipe into place on ROW. Start to pull up to top of hill. Added 17 section of pipe. Unhook cat fr/ pipe & walk to 23-21-9-19 loc. Load last 18 jts of pipe fr/ 22-22-9-19 loc & move pipe & equip to 23-21-9-19 loc. Fin welding out pig launcher & tie to sales line fr/ separator. DC: \$ 5,898	CC: \$239,163
05/17/03	SICP 3150 psi. Hook D8 cat to 18-jt section at the 23-21-9-19 & pull into the ROW. Stop & weld a second section of 18 jts & pull pipe into place. Walk cat back to the 22-22-9-19 loc & hook to third section of welded pipe. Cont to pull into place, welding add'l jts. Welded an add'l 9 jts to get enough line to meet other end. Load D8 cat & move out. Start to wrk on pig receiver station. DC: \$ 5,428	CC: \$244,591
05/18/03	SICP 3150 psi. SDFS. DC: \$ 148	CC: \$244,739
05/19/03	SICP 3150 psi. SDFS. DC: \$ 148	CC: \$244,887
05/20/03	SICP 3200 psi. Pull 8" line into place through flood plane. Push 6" gas sales line through the 8". Tape the outside of the 8" line. Enclose ends of the 8" around the 6" by welding a plate over the 8" and to the 6". Dig trench thru the flood plane 4' deep. Pull line into trench & backfill ends to hold in place. SDFN. DC: \$ 4,242	CC: \$249,129
05/21/03	SICP 3250 psi. Fin tying in the ends of the 6" sales line flood x-ing. Install press checkpoint on 8 1/2" line. Install blw dwn on high pt past flood plane. Back fill trench thru flood plane. Final connection of 6" gas sale line on 22-22-9-19 loc. Cln up loc & LU needed pipe & equip & move to the 23-21-9-19 loc. DC: \$ 4,311	CC: \$253,440
05/22/03	SICP 3250 psi. Fin tying in sections of 6" sales line by the 23-21-9-19 loc. Fin installation of pig receiver. UL, set & level concrete, pre-formed pad. UL scrubber & attempt to set on pad. Walk PL & close all blw dwn valves. DC: \$ 4,422	CC: \$257,862
05/23/03	SICP 3200 psi. RU crane unit & set scrubber in place. Fab 3" inlet line fr/ pig receiver. Fab 4" gas out to 8" gas sales line. Plumb in 2" dmp vlv & 2" drain line & start to run to wtr tnk on the 23-21-9-19 loc. Plumb in heat trace lines. Start to run to prod'n tnk heat trace system. Clean up wrk area. RU compressor truck to pig launcher @ Lytham Fed 22-22-9-19 loc. Launch pig & push it to the receiver @ the 23-21-9-19 loc. SI pig receiver & press 6" gas line to 850 psi. SI & RD compressor unit. Monitor press to ensure PL is not leaking. SDFH. DC: \$ 7,295	CC: \$265,157
05/24/03	SICP 3200 psi. End PT of gas sales line. LP 800 psi @ 10:00 a.m. Lost 50 psi/22 hrs due to temp change. Bleed press off sales line & SI. DC: \$ 1,368	CC: \$266,525
05/25/03	SDFWE. DC: \$ 148	CC: \$266,673
05/26/03	SDFWE. DC: \$ 148	CC: \$266,821
05/27/03	SDFH. DC: \$ 148,	CC: \$266,969

**GAS ENERGY - LYTHAM FEDERAL 22-22-9**  
**SENV Sec. 22-09S-19E**  
**Uintah County, Utah**  
**DAILY COMPLETION REPORT**

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05/28/03	SICP 3200 psi. Fin plumbing in dmp line fr/scrubber to wtr tnk on the 23-21-9-19 loc. Plumb in heat trace lines fr/tnk to scrubber. Load pipe racks, PL skids & scrap pipe on trailer & MO. Weld brace on the pig launcher @ Lytham Fed 22-22-9-19 loc. DC: \$ 2,567	CC: \$269,536
05/29/03	SICP 3200 psi. Load & MO 6" pipe to Lytham Federal 22-22-9-19 loc. Load back hoe & all trash & MO. DC: \$ 673	CC: \$270,209
05/30/03	SICP 3200 psi. DC: \$ 148	CC: \$270,357
05/31/03	SICP 3200 psi. DC: \$ 148	CC: \$270,505
06/01/03	SICP 3200 psi. DC: \$ 148	CC: \$270,653
06/02/03	SICP 3200 psi. DC: \$ 148	CC: \$270,801
06/03/03	SICP 3200 psi. DC: \$ 148	CC: \$270,949
06/04/03	SICP 3200 psi. DC: \$ 148	CC: \$271,097
06/05/03	SICP 3200 psi. Broadcast seed mixture in disturbed area of P/L thru the flood plane. Lightly hand-rack to cover seed. DC: \$ 2,322	CC: \$273,419
06/06/03	SICP 3200 psi. DC: \$ 148	CC: \$273,567
06/07/03	SICP 3200 psi. DC: \$ 148	CC: \$273,715
06/08/03	SICP 3200 psi. DC: \$ 148	CC: \$273,863
06/09/03	SICP 3200 psi. DC: \$ 148	CC: \$274,011
06/10/03	SICP 3200 psi. WOO. DC: \$ 148	CC: \$274,159
06/11/03	SICP 3200 psi. Install scrubber pot @ pig recv'r on the 2-phase sep for the gas sales line. DC: \$ 148	CC: \$274,307
06/12/03	SICP 3200 psi. DC: \$ 468	CC: \$274,775
06/13/03	SICP 3200 psi. DC: \$ 468	CC: \$275,243
06/14/03	SICP 3200 psi. DC: \$ 468	CC: \$275,711
06/15/03	SICP 3200 psi. DC: \$ 468	CC: \$276,179

**GAS ENERGY - LYTHAM FEDERAL 22-22-9**  
**SENW Sec. 22-09S-19E**  
**Uintah County, Utah**  
**DAILY COMPLETION REPORT**

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06/16/03	SICP 3200 psi DC: \$ 468	CC: \$276,647
06/17/03	SICP 3200 psi DC: \$ 468	CC: \$277,115
06/18/03	SICP 3200 psi DC: \$ 468	CC: \$277,583
06/19/03	SICP 3200 psi DC: \$ 468	CC: \$278,051
06/20/03	SICP 3200 psi DC: \$(2134)	CC: \$275,917
06/21/03	SICP 3200 psi DC: \$ 148	CC: \$276,065
06/22/03	SICP 3200 psi DC: \$ 148	CC: \$276,213
06/23/03	SICP 3200 psi DC: \$ 148	CC: \$276,361
06/24/03	SICP 3200 psi DC: \$ 148	CC: \$276,509
06/25/03	SICP 3200 psi DC: \$ 148	CC: \$276,657
06/26/03	SICP 3200 psi DC: \$ 148	CC: \$276,805
06/27/03	SICP 3200 psi DC: \$ 148	CC: \$276,953

11/1/03 Move in Price Brothers frac tanks.

11/2/03 Finish moving in 16 frac tanks, R&I Industries hauling in water for frac.

11/3/03 Finish filling frac tanks. D&M Hot Oil Service heating water.

11/4/03 Finish heating water to 80-90 deg. MIRU Schlumberger Cased Hole. Found 2850 psi. RIH with 3 3/8" expendable gun. Perforate Mesaverde 11480'-11490' 3SPF (11486'-11490' already perfed). Perf 11410'-11415' 3SPF. POOH, gas bubble blew gun up at 112' causing gun to pass wireline. Gun Stuck at 112'. Worked gun, blew well down, no movement, RU hot oiler, pump down well, blew gun loose. Gun fell 8' and parted cable head at weak point. Gun and CCL fell to bottom. Recovered all wireline and top of cable head.

11/5/03 MIRU Schlumberger. Location very muddy. RU Weatherford flowback manifold. Found 2048psi. Broke down perfs with 5070psi at 4.5 BPM. Frac lower Mesaverde with 155,000# of 20-40 sand and 45,000# of 20-40 Super DC sand using 83411 gal of YF125LGD fluid. ATP 4325psi at 25 BPM. ISIP 4750psi. Flow back 405bbls

- fluid on a 10,12,16 choke. Final flowing pressure 2200psi after 3 hours. RU wireline and GIH with 3 3/8" gun and perforate 11065'-11070' and 11085'-11090' 3 SPF. Broke down stage 2 and performed reverse step rate test, found 16-20 holes open. Frac stage 2 with 82,500# of 20-40 sand and 40,000# of Super DC 20-40 sand using 53,550 gal of YF125LGD fluid. ATP 4483 psi at 30 BPM. ISIP 4250 psi.. Flow well overnite for 10 hours on a 14 choke and made 747 bbls. Final flowing pressure 2600psi.
- 11/6/03 RU Schlumberger wireline truck. GIH with 10K Weatherford FT Frac Plug, setting tool, CCL, and Sinker Bar. Had drag at 1000', pick up to 750', wireline parted and blew 750' of cable onto location- No injuries. Secured well. Found frayed and parted end on cable, all tool left in hole. Open well up on 14/64 choke at 10:30 AM with 3100 psi. Flowed well until 3 PM and shut well in to run a sinker bar. Tagged up at 735'. RD wireline truck and resume flowback. Flowed well until 6 AM and recovered 432 BF. TFR 1584 BF. Final flowing pressure 2600psi.
- 11/7/03 RU Schlumberger braided line unit. GIH with 3 3/4" imp Block, POOH had partial fishing neck and wire imprint. Ran short catch OS-No recovery. Ran long catch OS – no recovery. Ran short catch OS with no skirt-no rec. Ran imp block saw wire imprint and edge of spring imprint. RU slickline and GIH with 3 3/4" gauge ring with two spang jars. Jar down on plug, moved down hole about 5 feet. Tool started hanging up. Jar loose and POOH, found lower spang jar spread out and gauge ring left in hole on top of fish #2. GIH with retrieving tool, latch fish #3, pull 800# over,. POOH, no recovery. Ran impression block, fishing neck over against side of casing. SDFN. SICP 3100 psi. Returned well to production on a 16/64 choke. Flowed well overnite for 12 hours and made 658 BF. TR both zones is 2242 BF. Final FCP was 2000 psi. Shut well in to fish gauge ring.
- 11/8/03 RU Slb wireline unit, GIH with overshot, latch fish #3, Jar up, POOH, lost 3' & 5' sinker bars, spang jars, and overshot. GIH with overshot, latch fish #4, jar up and POOH, recovered fish #3 and fish #4. Ran Imp block and saw fishing neck with partial concentric marks around it, probably broken upper cable head. Ran small overshot, no recovery, ran larger overshot with 3 3/4" skirt, no recovery, but had cable head marks on side of skirt. Junk on side of retrieving head is preventing tools from getting over retrieving head. RD and MO all Slb equipment until further notice. Flowed well overnite for 14 hours and made 248 BF. Total Rec 2490 BF(76%). BLWTR 770.
- 11/9/03 Flowed back well to tank for 5 hours and made 20 BW with 1700psi FCP. TR 2510 BR. BLWTR 699. Shut well in at 1PM. Heat up Prod equip, First sales at 2 PM Nov 8, 2003. Flowed well for 15 hours and made 321 MCF, 82 BW, 8 BO, 1750psi FCP, 15/64 ck, 122psi LP. Spot rate Sun AM 783 MCFPD. TR 2592 BW, BLWTR 668
- 11/10/03 Flowed well 24 hrs with 1650 psi FCP on a 15/64 ck, and made 697 MCF, 5 BO, 146 BW, 114 psi LP. TR 2738 BW. BLWTR 522.
- 11/11/03 Flowed well 24 hrs with 1400 psi FCP on a 15/64 ck, and made 667 MCF, 0 BO, 140 BW, 115 psi LP. TR 2878 BW. BLWTR 382.

- 11/12/03 MIRU Leed Well Service. Spot pump and tank. Deliver and install BOP'S on top of frac valve. Knight Oil tools delivered Drill Collars and fishing tools. Move 35 jts of 2 3/8" 4.7# N-80 tubing that was on location, onto trailer with DC'S and set by wellhead. WO Anchor truck. Flowed well 22 hours and made 578 MCF, 0 BC, 106 BW on a 15/64 ck with 110 psi LP. FCP not reported. TR 2984. BLWTR 276.
- 11/13/03 Finished rigging up Leed Well Service, install Knight BOP'S and Washington stripping head. Blow well down to pit, pump in 10 bbls of 10PPG brine water. Well pressured up to 4500 psi. Pressure would not bleed off indicating packing elements on plug are set. Blew water back to pit. Put well back on production at 686MCFPD rate, indicating that setting tool has sheared off of plug allowing flow thru center. RD service rig. Left pump, tank, water, and BOP's on location for potential arrival of snubbing unit Saturday. Flowed well 19 hours and made 496 MCF, 12 BO, 95 BW on a 15/64 ck with 1020 psi FCP and 117 psi LP. TR 3070. BLWTR 181.
- 11/14/03 Flowed well 24 hrs on a 16/64 ck with 650# CP, and made 596 MCF, 10 BC, 115 BW. TR 3185, 66 BLWTR
- 11/15/03 Flowed well 24 hrs on a 16/64 ck with 800# CP, and made 596 MCF, 0 BC, 165 BW. TR 3350, 0BLWTR
- 11/16/03 Flowed well 24 hrs on a 16/64 ck with 550# CP, and made 587 MCF, 0 BC, 105 BW.
- 11/18/03 Flowed well 24 hrs on a 16/64 ck with 450# CP, and made 477 MCF, 0 BC, 107 BW.
- 11/19/03 Flowed well 24 hrs on a 16/64 ck with 450# FCP and made 524 MCF, 0BC, 94 BW RU Leed well service rig and Cudd snubbing unit. Made repairs to rig and installed new guy lines. Prepared to start job in morning.
- 11/20/03 Flowed well 24 hrs on a 16/64 ck with 400# FCP and made 500 MCF, 0 BC, 97 BW. Finished rigging up Leed rig and Cudd Pressure Control snubbing unit. Pick up fishing tools. SDFN.
- 11/21/03 Flowed well 10 hrs on a 16/64 ck with 1300# FCP and made 152 MCF, 0 BC, 5 BW. Snub in hole with 3 3/4 turnover shoe, 2 drill collars and 2 3/8" N-80 tbg to top of fish. Tag fish and milled down 10" over fishing neck. Snub OOH with tools. Snub in hole with fishing neck overshot, jars, drill collars and tubing to top of fish . SDFN.
- 11/22/03 Flowed well 8 hrs on a 16/64 ck with 1000# FCP and made 66 MCF, 0 BC, 0 BW. Latch fish and jar loose, snub out of hole. Rig down snubber, RU Schlumberger wireline unit with lubricator, lubricate fish out of hole. Recovered setting tool, CCL, sinker bar, and bottom half of cable head. RD Schlumberger, RU snubber, snub in hole with mill to top of plug at 740'. SDFN
- 11/23/03 Warm up rig and equipment, mill up top of plug, well started taking fluid. Continue milling until plug released. Push plug down to 1850'. Did not feel any drag from plug,

assume it has fallen to bottom. RD Cudd Snubbing unit and Leed well Service to drill plugs on Federal 32-31-9-19.

- 11/24/04 Found 500 psi SICP, put well down line and made 9 MCF, 0 BW, 0 BC.
- 11/25/03 MIRU Schlumberger wireline. GIH with sinker bars and tag up at 1850'. Beat remainder of plug down to 2490'. Could not move any deeper with wireline. RD wireline unit. Will chase plug down with Leed rig when finished cleaning out Fed 32-31-9-91.
- 11/26/03 No Report.
- 11/27/03 WO rig.
- 11/28/03 WO rig.
- 11/29/03 MIRU Leed Well Service. Found 1500 psi SICP. Bled well to pit. SDFN
- 11/30/03 Found 1875 psi SICP. Tried to bleed well down to run tubing. Well kicked off flowing. Put well down sales line. Will try to top kill tomorrow.
- 12/1/03 Top kill well with 120 bbls of brine water. GIH with 2 3/8" 4.7# N-80 tubing. Push remnants of plug down hole to 11,070'.
- 12/2/03 POOH, LD tbg, RD Leed Well Service, prepare to frac stage 3 from 10,760' - 10,920'.
- 12/3/03 MIRU Schlumberger Wireline. Run gauge ring and Junk basket to 10970' POOH . Run and set Halco 8K frac plug at 10950'. Perforate Mesaverde 10915'-920', 10826'-831', 10760'-770' 3 SPF with a 3 3/8" Power Jet 120 phase. Frac stage 3 with 88,000# of 20-40 sand and 45,000# of 20-40 Super DC using 57600 gal of YF 125LGD. ATP 4472psi at 30 BPM. Initial ISIP-3630, Final ISIP 4040 psi. GIH and set Halco 8K frac plug at 10740'. Perforate Mesaverde 10713'-718', 10685'-690', 10610'-615' 3 SPF. Wireline lubricator leaking badly around flow tubes. Frac stage 4 with 138,000# of 20-40 sand and 9500# of 20-40 Super DC using 62500 gal of YF 125LGD. Zone difficult to break down, saw several good breaks on pad. Initial ISIP 4030psi, final ISIP 4000psi. Turned well on with a 14/64 choke. Flowed well 9 hrs and made 305 BF (estimated). Flowback cutout choke and surface lines when sand hit surface. Replaced same. Total recovery (all jobs) 3655 BF. BLWTR 2555.
- 12/4/03 Wireline crew called in sick, RU wireline, did not have switch needed for tandem gun run, make two separate runs, set Halco 5K frac plug at 9280'. Perforate Dark Canyon 9240'-250' and 9130'-40'. Lubricator leaking badly around flow tubes. Well flowing 1" stream during all wireline operations. RU frac crew at noon, frac Dark Canyon with 153,000# of 20-40 sand and 41,500# of 20-40 Super DC using 78295 gal of YF 125LGD. ATP 3662 psi at 30 BPM. Initial ISIP 3370 psi, Final ISIP 3570 psi. Wait 2 1/2 hrs for wireline crew to replace flow tubes that prior crew failed to replace as

requested prior to job. GIH with plug and guns, wireline computer failed. Repaired computer, plug failed to fire, suspect bad switch. POOH and release crew for night. Turned well on with 3450 psi at 8PM on a 16/64 ck. Flowed well 8 hrs to pit and made approximately 280 BF.

- 12/5/03 RU Wireline, thawed out wellhead and lubricator. GIH and set Halco 5K frac plug at 7580'. Perforate Wasatch 7435'-7440' and 7534'-7544' 3 SPF with a Power Jet gun. RU and frac stage #6 with 90,760# of 20-40 sand using 2375 bbls of slickwater. ATP 4389 psi at 50 BPM. Screened out 5 bbls short of flush with 10130 psi. Initial ISIP 2150. Decided to leave out plug due to screen-out. GIH with gun, set down at 7070'. POOH and flow well back until cleaned up. GIH and perforate Wasatch 7208'-7213', 7102'-7107', 7070'-7075' 3 SPF with Power Jet. RU and frac stage #7 with 91927# of 20-40 sand using 2362 bbls of slickwater. ATP3319 at 55 BPM. Initial ISIP 1805 psi, Final ISIP 1731 psi. GIH and perforate Wasatch 6925'-6935' and 6777'-6787' 3 SPF with a Power Jet. Frac stage #8 with 83,700# of 20-40 sand using 2196 bbls of slickwater. ATP 2886 psi at 50.6 BPM. Initial ISIP 1705 psi Final ISIP 1760 psi. Turned well on to flowback at 9PM on a 16/64 ck. Flowed well 10 hrs with 1400 psi FCP and made 539 BF. TR 4390 BF.
- 12/6/03 Flowed well 24 hrs on a 14/64 ck and made 845 BF. TR 5245. FCP 1400 psi start, 1975 psi end.
- 12/7/03 Flowed well 24 hrs on a 14/64 ck with 1975 psi FCP and made 785 BF. TR 6072. MIRU Pool Well Service and Cudd Pressure Control. Start in hole with bit, bit sub, float, nipple and 2 3/8" 4/7# N-80 tbg. SDFN.
- 12/8/03 Flowed well 24 hrs on a 14/64 ck with 2100 psi FCP and made 420 BF. TR 6492. Rig SDF Sunday.
- 12/9/03 Flowed well 24 hrs on a 18/64 ck ( larger while snubbing) with 1600 FCP and made 600 BF. TR 7092. Snub in hole with BHA on 221 jts of tubing to 6961'. SDFN. Will start drilling plugs in AM.
- 12/10/03 Flowed well 24 hrs on a 18/64 ck ( larger while snubbing) with 1100 FCP and made 715 BF. TR 7507. Drilled out 2 plugs and cleaned out sand to 10760. started getting stuck, worked bit free and pick up 2 jts. SDFN.
- 12/11/03 Flowed well 24 hrs on a 18/64ck (larger while snubbing) with 1300 FCP and made 650 BF. TR 8160. Light gas and Medium condensate. POOH with plugged bit, change bit and bit sub, start in hole SDFN.
- 12/12/03 Flowed well 24 hrs on a 18/64 ck ( larger while snubbing) with 850-1300 FCP and made 685 BF. TR 8815. Finished GIH and drill up third plug. Pushed remnants down to 11050'. Drilled and spud on remnants. SDFN.
- 12/13/03 Flowed well 24 hrs on a 18/64 ck ( larger while snubbing) with 950-1100 FCP and made 685 BF. TR 9500. Light gas and medium mist. Drilled on remnants of plugs

- 1,2,&3 and circulate sand with air foam, brine at 11050'. Trouble lifting sand to surface. Blew power swivel packing. SDFN.
- 12/14/03 Flowed well 24 hrs on a 18/64 ck with 600-1050 FCP and made 675 BF. TR 10175. Replace power swivel unit. Start drilling and circulating, Air foam unit does not have high enough working pressure and volume for this depth. Trouble getting sand back to surface. SD to get larger pump.
- 12/15/03 Flowed well 24 hrs on a 18/64 ck with 1050-1100 FCP and made 500 BF. TR 10675. Heavy mist with slugs of water.
- 12/16/03 Flowed well 24 hrs on a 18/64 ck with 900-1000 FCP and made 605 BF. TR 11280. RU Pool WS pump, mix foamer with 2 % KCL. Drill and circulate, found that we made better progress with power swivel turned off, wash sand and debris down to 11556'. Hit hard object, possibly fish #1, could not get any deeper, circulate clean, and start POOH laying down tubing.
- 12/17/03 Flowed well 24 hrs on a 18/64 choke, reduced to a 14/64 ck due to excessive flow to test tank. Well built to 1375 FCP and made 401 BF. TR 11681. Finished laying down tubing, Hung off 217 jts of 2 3/8" 4.7# N-80 tubing at 6702, X-nipple at 6670'. ND BOP'S and NU production tree. Load tubing and pump off bit sub and dropped bit to bottom. Flow well to work tank to clean up. Will put down line in morning.
- 12/18/04 Flowed well 12 hrs on a 4/64 ck with 1400-2100 FTP and made 482 MCF, 43 BW, 0 BC. Shut well in to adjust equipment and install larger Meter orifice.
- 12/19/03 Flowed well 3 hrs on a 4/64 choke, installed 1 1/4" orifice plate, increased choke size to 26/64 and flowed 21 hrs, combined 24 hr sales 2284 MCF, 362 BW, 4 BC, final pressure 700 FTP, 700 CP. Well fluid rate increased from 4-6 BPH to 16-20 BPH after 12 hrs of flow, production equipment could not handle high fluid rate causing separator upset. Dehydrator discharge Kimray too small for flow rate causing 600 psi pressure drop across valve. Dominion compressor maxed out at 4.8 MMCFPD. LP 172. Suspect upper Wasatch fracs unloaded frac fluid as pressure was brought down. Cut choke size back to 18/64 choke until fluid cleans up to a level the equipment can handle.
- 12/20/03 Flowed well 24 hrs on a 19/64 ck with 1100 FTP, 1250 CP and made 1539 MCF, 138 BW, 30 BC (includes transfers), LP 141
- 12/21/03 Flowed well 24hrs on a 19/64 ck with 950 FTP, 1100 CP and made 1374 MCF, LP 157, 10 BC, 144 BW. Pig stuck in line.
- 12/22/03 Flowed well 24hrs on a 19/64 ck with 950 FTP, 1100 CP and made 1394 MCF, LP 155, 0 BC, 160 BW. 10# MCF water.
- 12/23/03 Flowed well 24 hrs on a 19/64 ck with 850 FTP, 1100 CP and made 1116 MCF, LP 150, 0 BC, 156 BW. Restricted production by increasing backpressure on Dehydrator. Gas has 13#/MCF water.

**GAS ENERGY - LYTHAM FEDERAL 22-22-9**  
**SENV Sec. 22-09S-19E**  
**Uintah County, Utah**  
**DAILY COMPLETION REPORT**

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- 12/24/03 Flowed well 24 hrs on a 19/64 ck with 875 FTP, 1100 CP, and made 1051 MCF, LP 167, 0 BC, 140 BW. Rate restricted due to high water content 13#/MCF. CE Natco will try to repair Dehy today.
- 12/25/03 Flowed well 24 hrs on a 19/64 ck with 900 FTP, 1100 CP, and made 995 MCF, LP 172, 10 BC, 146 BW. Rate restricted.
- 12/26/03 Flowed well 24 hrs on a 19/64 ck with 850 FTP, 1100 CP, and made 1018 MCF, LP 153, 0 BC, 141 BW. Rate restricted.
- 12/27/03 Flowed well 24 hrs on a 19/64 ck with 750 FTP, 1050 CP, and made 1008 MCF, LP 170, 15 BC, 167 BW( Fluid volume for 33 hrs).
- 12/28/03 Flowed well 24 hrs on a 20/64 ck with 700 FTP, 1000 CP and made 1022 MCF, LP 178, 0 BC, 109 BW ( Fluid volume for 17 hrs) Natco to work on dehy again today.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

020

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.

UTU-78433

1a. Type of Well  Oil  Gas  Dry  Other  
 b. Type of Completion:  New  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other

6. If Indian, Allottee or Tribe Name

NA

7. Unit or CA Agreement Name and No.

NA

8. Lease Name and Well No.

Lytham Federal 22-22-9-19

9. ADI Well No.

43-047-34607

10. Field and Pool, or Exploratory

Riverbend

11. Sec., T., R., M., or Block and Survey or Area

22-T9S-R19E

12. County or Parish

Uintah

13. State

Utah

2. Name of Operator

Gasco Energy Inc. / Pannonian Energy Inc.

3. Address

14 Inverness Drive East, Englewood, CO 80112

3a. Phone No. (include area code)

303-483-0044

4. Location of Well (Report locations clearly and in accordance with Federal requirements)\*

At surface 1727' FNL, 2126' FWL, SENW

At top prod. interval reported below SAME

At total depth SAME

14. Date Spudded

10/13/02

15. Date T.D. Reached

12/04/02

16. Date Completed

D & A

Ready to Prod.

11/08/03

17. Elevations (DF, RKB, RT, GL)\*

4774' KB; 4761' GL

18. Total Depth: MD

11900

TVD

19. Plug Back T.D.: MD

11858

TVD

20. Depth Bridge Plug Set: MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

FDC/CNL/GR/SP: GR/CCL/CBL/VDL

22. Was well cored?

No

Yes (Submit analysis)

Was DST run?

No

Yes (Submit copy)

Directional Survey?

No

Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8" H40	48#	surface	219	219	225 CI "G"		surface	
11"	8-5/8" J55	32#	surface	4650	4650	450 Lite + 200 CI "G"		surface	
7-7/8"	4-1/2" P110	13.5#	surface	11900	11900	235 LITE + 2315- 50/50 Poz		surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2-3/8"	6702	none						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Mesaverde	11410	11490	11410-415, 11480-90	3-3/8" gun, .34" EHD	45	producing
B) Mesaverde	11065	11090	11065-070, 11085-090	3-3/8" gun, .34" EHD	30	producing
C) Mesaverde	10760	10920	10915-20, 10826-31, 10760-70	3-3/8" gun, .34" EHD	60	producing
D) Mesaverde	10615	10718	10713-18, 10685-90, 10610-15	3-3/8" gun, .34" EHD	45	producing
E) Dark Canyon	9130	9250	9240-250, 9130-140	3-3/8" gun, .34" EHD	60	producing
F) Wasatch	7435	7544	7435-440, 7534-544	3-3/8" gun, .34" EHD	45	producing
G) Wasatch	7070	7213	7070-75, 7102-107, 7208-213	3-3/8" gun, .34" EHD	45	producing
H) Wasatch	6777	6935	6777-6787, 6925-6935	3-3/8" gun, .34" EHD	60	producing

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
11410-11490	83,411 gals fluid, 155,000# 20/40 Ottawa Sand, 45,000# 20-40 Super DC
11065-11090	53,500 gals fluid & 82,500# 20/40 Sand & 40,000# of 20/40 Super DC
10760-10920	57,600 gals fluid & 88,000# 20/40 Ottawa sd & 45,000# of 20/40 Super DC
10615-10718	62,500 gals fluid & 138,000# 20/40 Ottawa sd & 9500# of 20/40 Super DC
9130-9250	78,295 gal fluid & 153,000# 20/40 Ottawa sd & 41,500# of 20/40 super DC
7435-7544	99750 gals fluid & 90,760# 20/40 sd
7070-7213	99204 gals fluid & 91927# 20/40 sand
6777-6935	92232 gal fluid & 83,700 # 20/40 sd

FEB 20 2004

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28. Production - Interval A-B Mesaverde

Date First Produced	Test Date	Hours Tested	Test Product	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/08/03	11/09/03	24	➔	5	697	146	54		Flowing
16/64"	Tbg. Press. Flwg. SI	1700 CF	➔	5	697	146			Sales

28. Production - Interval A-H Commingled Mesaverde & Wasatch

Date First Produced	Test Date	Hours Tested	Test Product	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/08/03	12/18/03	24	➔	4	2,284	362	54		Flowing
26/64	Tbg. Press. Flwg. SI	700	➔	4	2284	362			Flowing to Sales- water rate includes frac water

(See instructions and spaces for additional data on reverse side)

28b. Production

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28b. Production

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

**Sold**

30. 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.

31. Formation (Log) Markers

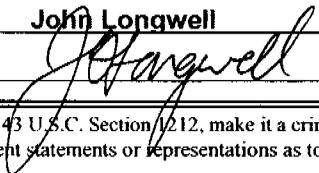
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Uintah	Surface	1,890	Estimated		
Green River	1,890	5,404			
Wasatch	5,404	9,127			
Mesaverde	9,127	11,532			
Castlegate	11,532	11,767			
Blackhawk	11,767				

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 5. Core Analysis
- 7. Other: **Daily Summary of Operations**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) John Longwell Title Operations Manager  
 Signature  Date 19-Jan-04

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

017

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

*well file*  
**COPY**

5. Lease Serial No.  
**UTU-78433**

6. If Indian, Allottee or Tribe Name  
**NA**

7. Unit or CA Agreement Name and No.  
**NA**

8. Lease Name and Well No.  
**Lytham Federal 22-22-9-19**

9. API Well No.  
**43-047-34607**

1a. Type of Well  Oil  Gas  Dry Other

b. Type of Completion:  New  Work Over  Deepen  Plug Back  Diff. Resrv.  
Other \_\_\_\_\_

2. Name of Operator  
**Gasco Energy Inc. / Pannonian Energy Inc.**

3. Address **14 Inverness Drive East, Englewood, CO 80112**

3a. Phone No. (include area code) **303-483-0044**

4. Location of Well (Report locations clearly and in accordance with Federal requirements)\*

At surface **1727' FNL, 2126' FWL, SENW**

At top prod. interval reported below **SAME**

At total depth **SAME**

10. Field and Pool, or Exploratory  
**Riverbend**

11. Sec., T., R., M., or Block and Survey or Area **22-T9S-R19E**

12. County or Parish **Uintah** 13. State **Utah**

17. Elevations (DF, RKB, RT, GL)\*  
**4774' KB; 4761' GL**

14. Date Spudded **10/13/02**

15. Date T.D. Reached **12/04/02**

16. Date Completed  D & A  Ready to Prod.  
**11/08/03**

18. Total Depth: MD **11900** TVD

19. Plug Back I.D.: MD **11858** TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

*HAIR, MUD LOG (FDC/CNL/GR/SP: GRICCLICBLVDL) 3D/DSN*

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit copy)  
Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size Grade	Wt (# ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17-1/2"	13-3/8" H40	48#	surface	219	219	225 CI "G"		surface	
11"	8-5/8" J55	32#	surface	4650	4650	450 Lite + 200 CI "G"		surface	
7-7/8"	4-1/2" P110	13.5#	surface	11900	11900	235 LITE + 2315- 50/50 Poz		surface	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2-3/8"	6702	none						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Mesaverde	11410	11490	11410-415, 11480-90	3-3/8" gun, .34" EHD	45	producing
B) Mesaverde	11065	11090	11065-070, 11085-090	3-3/8" gun, .34" EHD	30	producing
C) Mesaverde	10760	10920	10915-20, 10826-31, 10760-70	3-3/8" gun, .34" EHD	60	producing
D) Mesaverde	10615	10718	10713-18, 10685-90, 10610-15	3-3/8" gun, .34" EHD	45	producing
E) Dark Canyon	9130	9250	9240-250, 9130-140	3-3/8" gun, .34" EHD	60	producing
F) Wasatch	7435	7544	7435-440, 7534-544	3-3/8" gun, .34" EHD	45	producing
G) Wasatch	7070	7213	7070-75, 7102-107, 7208-213	3-3/8" gun, .34" EHD	45	producing
H) Wasatch	6777	6935	6777-6787, 6925-6935	3-3/8" gun, .34" EHD	60	producing

26. Perforation Record

Depth Interval	Amount and type of Material
11410-11490	83,411 gals fluid, 155,000# 20/40 Ottawa Sand, 45,000# 20-40 Super DC
11065-11090	53,500 gals fluid & 82,500# 20/40 Sand & 40,000# of 20/40 Super DC
10760-10920	57,600 gals fluid & 88,000# 20/40 Ottawa sd & 45,000# of 20/40 Super DC
10615-10718	62,500 gals fluid & 138,000# 20/40 Ottawa sd & 9500# of 20/40 Super DC
9130-9250	78,295 gal fluid & 153,000# 20/40 Ottawa sd & 41,500# of 20/40 super DC
7435-7544	99750 gals fluid & 90,760# 20/40 sd
7070-7213	99204 gals fluid & 91927# 20/40 sand
6777-6935	92232 gal fluid & 83,700 # 20/40 sd

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and type of Material
11410-11490	83,411 gals fluid, 155,000# 20/40 Ottawa Sand, 45,000# 20-40 Super DC
11065-11090	53,500 gals fluid & 82,500# 20/40 Sand & 40,000# of 20/40 Super DC
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7435-7544	99750 gals fluid & 90,760# 20/40 sd
7070-7213	99204 gals fluid & 91927# 20/40 sand
6777-6935	92232 gal fluid & 83,700 # 20/40 sd

28. Production - Interval A-B Mesaverde

Date First Produced	Test Date	Hours Tested	Test Product	Oil BBL	Gas MCF	Water BBL	Oil Gravity (Corr. API)	Gas Gravity	Production Method
11/08/03	11/09/03	24	➔	5	697	146	54		Flowing
16/64"	Tbg. Press. Flwg. SI	1700 CF	➔	5	697	146			Sales

28. Production - Interval A-II Commingled Mesaverde & Wasatch

Date First Produced	Test Date	Hours Tested	Test Product	Oil BBL	Gas MCF	Water BBL	Oil Gravity (Corr. API)	Gas Gravity	Production Method
11/08/03	12/18/03	24	➔	4	2,284	362	54		Flowing
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. 700	➔	4	2284	362			Flowing to Sales- water rate includes frac water

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28b. Production

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28b. Production

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

**Sold**

30. Summary of Porous Zones (Include Aquifers):	31. Formation (Log) Markers
<p>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.</p>	

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Uintah	Surface	1,890	Estimated		
Green River	1,890	5,404			
Wasatch	5,404	9,127			
Mesaverde	9,127	11,532			
Castlegate	11,532	11,767			
Blackhawk	11,767				

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 5. Core Analysis
- 7. Other Daily Summary of Operations

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) John Longwell Title Operations Manager  
 Signature *John Longwell* Date 19-Jan-04

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.

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

		5. LEASE DESIGNATION AND SERIAL NUMBER:
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: <b>see attached list</b>
2. NAME OF OPERATOR: <b>Gasco Production Company N2575</b>		9. API NUMBER:
3. ADDRESS OF OPERATOR: <b>114 Inverness Dr. East Englewood</b> CITY STATE <b>CO</b> ZIP <b>80112</b>		10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE:		COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		STATE: <b>UTAH</b>

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

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

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

**Pannonian Energy, Inc. changed its name to Gasco Production Company effective February 24, 2004**  
**N1815**

*BLM Bond = UT1233*  
*SITLA Bond = 4127764*

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NAME (PLEASE PRINT) <b>Mark J. Choury</b>	TITLE <b>Land Manager</b>
SIGNATURE	DATE <b>4/20/04</b>

(This space for State use only)

WELL NAME	API #	LOCATION	COUNTY	Status
Federal 23-29 #1	43-047-34111	NESW, Sec. 29, T9S, R19E	Uintah	P
Federal 42-29-9-19	43-047-34202	SENE, Sec. 29, T9S, R19E	Uintah	P
Lytham Federal 22-22-9-19	43-047-34607	SENW, Sec. 22, T9S, R19E	Uintah	P
Federal 32-31-9-19	43-047-34201	SWNE, Sec. 31, T9S, R19E	Uintah	P
Alger Pass Unit #1	43-047-31824	SWNE, Sec. 2, T11S, R19E	Uintah	P
Gate Canyon State 31-21-11-15	43-013-32391	NWNE, Sec. 21, T11S, R15E	Duchesne	DRL
Wilkin Ridge State 12-32-10-17	43-013-32447	SWNW, Sec. 32, T10S, R17E	Duchesne	DRL
Willow Creek # 2	43-047-31818	SESW, Sec. 5, T11S, R20E	Uintah	TA
Hill Federal #1-10	43-047-31026	NESW, Sec. 10, T11S, R20E	Uintah	TA
Federal 23-21-9-19	43-047-34199	NESW, Sec. 21, T9S, R19E	Uintah	P
Federal 43-30-9-19	43-047-35343	NESE, Sec. 30, T9S, R19E	Uintah	APD
Gate Canyon State 41-20-11-15	43-013-32475	NENE, Sec. 20, T11S, R15E	Duchesne	APD
Federal 11-21-9-19	43-047-34608	NWNW, Sec. 21, T9S, R19E	Uintah	APD
Federal 11-22-9-19	43-047-35404	NWNW, Sec. 22, T9S, R19E	Uintah	APD
Federal 22-30-10-18	43-047-34924	SENW, Sec. 30, T10S, R18E	Uintah	APD
State 24-16-9-19	43-047-35588	SESW, Sec. 16, T9S, R19E	Uintah	NEW
Lafkas Federal 1-3	43-0473-31178	SWSW, Sec. 3, T11S, R20E	Uintah	S
Federal 21-6-9-19	43-047-34813	NENW, Sec. 6, T9S, R19E	Uintah	APD
Federal 42-21-9-19	43-047-35405	SENE, Sec. 21, T9S, R19E	Uintah	APD
Federal 31-21-9-19	43-047-35606	NWNE, Sec. 21, T9S, R19E	Uintah	APD
Federal 41-31-9-19	43-047-35624	NENE, Sec. 31, T9S, R19E	Uintah	APD
Federal 24-31-9-19	43-047-35623	SESW, Sec. 31, T9S, R19E	Uintah	NEW
Wilkin Ridge Federal 34-17-10-17	43-013-32560	SWSE, Sec. 17, T10S, R17E	Duchesne	APD

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

<b>ROUTING</b>
1. GLH
2. CDW
3. FILE

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

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **2/24/2004**

<b>FROM: (Old Operator):</b> N1815-Pannonian Energy, Inc. 114 Inverness Dr E Englewood, CO 80112 Phone: 1-(303) 483-0044	<b>TO: (New Operator):</b> N2575-Gasco Production Company 114 Inverness Dr E Englewood, CO 80112 Phone: 1-(303) 483-0044
--------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------

CA No. Unit:

**WELL(S)**

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
K GATE CYN 31-21-11-15	21	110S	150E	4301332391	✓ 13787	State	GW	DRL C
K GATE CYN 41-20-11-15	20	110S	150E	4301332475		State	GW	APD
K WILKIN RIDGE STATE 12-32-10-17	32	100S	170E	4301332447	✓ 14033	State	GW	DRL C
K STATE 24-16-9-19	16	090S	190E	4304735588		State	GW	NEW C
o FED 23-21-9-19	21	090S	190E	4304734199	✓ 13601	Federal	GW	P
K FED 11-21-9-19	21	090S	190E	4304734608		Federal	GW	APD
K FED 42-21-9-19	21	090S	190E	4304735405		Federal	GW	APD C
K FEDERAL 31-21-9-19	21	090S	190E	4304735606		Federal	GW	APD C
K LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	✓ 13640	Federal	GW	P C
K FED 11-22-9-19	22	090S	190E	4304735404		Federal	GW	APD C
o FEDERAL 23-29 #1	29	090S	190E	4304734111	✓ 13441	Federal	GW	P
o FED 42-29-9-19	29	090S	190E	4304734202	✓ 13455	Federal	GW	P
K FEDERAL 43-30-9-19	30	090S	190E	4304735343		Federal	GW	APD C
o FED 32-31-9-19	31	090S	190E	4304734201	✓ 13641	Federal	GW	P
o FEDERAL 24-31-9-19	31	090S	190E	4304735623		Federal	GW	NEW C
K FEDERAL 41-31-9-19	31	090S	190E	4304735624		Federal	GW	APD C
K FEDERAL 21-6-10-19	06	100S	190E	4304734813		Federal	GW	LA C
K FED 22-30-10-18	30	100S	180E	4304734924		Federal	GW	APD C
o LAFKAS FED 1-3	03	110S	200E	4304731178	✓ 1367	Federal	GW	S
o WILLOW CREEK UNIT 2	05	110S	200E	4304731818	✓ 11604	Federal	GW	TA
o HILL FEDERAL 1-10	10	110S	200E	4304731026	✓ 1368	Federal	GW	TA

**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: 4/22/2004
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/22/2004
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 4/21/2004
- Is the new operator registered in the State of Utah: YES Business Number: \*\*\*
- If **NO**, the operator was contacted on: \*\*\* 4/21/2004

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: BLM in process BIA

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

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: N/A

**DATA ENTRY:**

- 1. Changes entered in the Oil and Gas Database on: 4/29/2004
- 2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 4/29/2004
- 3. Bond information entered in RBDMS on: N/A
- 4. Fee wells attached to bond in RBDMS on: N/A
- 5. Injection Projects to new operator in RBDMS on: n/a
- 6. Receipt of Acceptance of Drilling Procedures for APD/New on: 4/22/2004

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

1. State well(s) covered by Bond Number: 4127764

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

1. Federal well(s) covered by Bond Number: 4127759

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

1. Indian well(s) covered by Bond Number: 4127765

**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:**

This is a corporate name change within the same corporation and it's subsidiaries



# United States Department of the Interior



## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-924)

May 18, 2004

### Memorandum

To: Vernal Field Office, Moab Field Office  
From: Chief, Branch of Minerals Adjudication  
Subject: Name Change Approval

Attached is an approved copy of the name change recognized by the Utah State Office. We have updated our records to reflect the name change from Pannonian Energy Inc., into Gasco Production Company is effective February 24, 2004.

**/s/ Robert Lopez**

Robert Lopez  
Chief Branch of  
Minerals Adjudication

### Enclosure

1. State of Utah Certificate of Registration

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare

RECEIVED

MAY 20 2004

DIV. OF OIL, GAS & ...

Nordstrom:05/18/2004

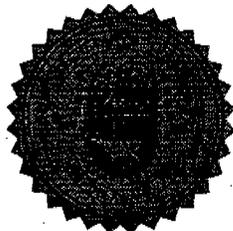
# Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "PANNONIAN ENERGY INC.", CHANGING ITS NAME FROM "PANNONIAN ENERGY INC." TO "GASCO PRODUCTION COMPANY", FILED IN THIS OFFICE ON THE TWENTY-FOURTH DAY OF FEBRUARY, A.D. 2004, AT 12:43 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



2899291 8100

040133641

*Harriet Smith Windsor*

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 2963993

DATE: 03-02-04

03576	69096	76811
01562B	70847	76812
0125822	70848	76814
013429A	70849	76818
013766	70850	77063
013820	70887	77336
013821A	70888	78214
0147541	70889	78215
0147514A	71401	78216
016869A	72013	78433
017713	73165	79784
017991	73425	80593
018260A	73664	80679
035316	73666	
058148	73669	
	74387	
	74395	
8344	74396	
8346	74397	
8648	74401	
	74403	
28212	74407	
34350	74968	
37246	74971	
39223	75079	
44089	75088	
44090A	75231	
60748A	75233	
60748X	75232	
62159	75235	
64921	75236	
65319	75514	
65323	75515	
65324	75670	
65767	75672	
65773	76031	
65776	76032	
65779	76033	
65782	76034	
65783	76057	
65785	76256	
66798	76262	
66800	76478	
67253	76489	
68387	76490	
68620	76760	
69003	76761	
69094	76809	
69095	76810	

api	twsp	rng	sec	well_name	lease_num	stat	la_pa
4304734168	090S	190E	20	FED 24-20-9-19	UTU-75090	DRL	
4304734169	090S	190E	20	FED 44-20-9-19	UTU-75090	DRL	
4304734199	090S	190E	21	FED 23-21-9-19	UTU-78433	P	
4304734608	090S	190E	21	FED 11-21-9-19	UTU-78433	DRL	
4304735405	090S	190E	21	FED 42-21-9-19	UTU-78433	APD	
4304735606	090S	190E	21	FEDERAL 31-21-9-19	UTU-78433	APD	
4304734607	090S	190E	22	LYTHAM FED 22-22-9-19	UTU-78433	P	
4304735404	090S	190E	22	FED 11-22-9-19	UTU-78433	DRL	
4304733653	090S	190E	29	FEDERAL 31-29	UTU-76262	P	
4304733750	090S	190E	29	FEDERAL 34-29	UTU-76034	P	
4304734111	090S	190E	29	FEDERAL 23-29 #1	UTU-76262	P	
4304734202	090S	190E	29	FED 42-29-9-19	UTU-76262	P	
4304735343	090S	190E	30	FEDERAL 43-30-9-19	UTU-37246	DRL	
4304734201	090S	190E	31	FED 32-31-9-19	UTU-76489	P	
4304735623	090S	190E	31	FEDERAL 24-31-9-19	UTU-019880A	APD	
4304735624	090S	190E	31	FEDERAL 41-31-9-19	UTU-019880A	APD	
4304734286	100S	170E	12	PETES WASH 23-12 #1	UTU-77063	P	
4301332560	100S	170E	17	WILKIN RIDGE FED 34-17-10-17	UTU-043615	APD	
4304734551	100S	170E	24	FED 43-24-3 #1	UTU-74401	P	
4304733983	100S	180E	07	FEDERAL 24-7 #1	UTU-68387	P	
4304734539	100S	180E	18	FED 14-18-2 #1	UTU-74971	P	
4304735808	100S	180E	22	FEDERAL 11-22-10-18	UTU-018260A	APD	
4304734924	100S	180E	30	FED 22-30-10-18	UTU-74408	APD	
4304734813	100S	190E	06	FED 21-6-10-19	UTU-76490	LA	3/30/2004
4304731178	110S	200E	03	LAFKAS FED 1-3	U-34350	S	
4304731818	110S	200E	05	WILLOW CREEK UNIT 2	U-39223	TA	
4304731026	110S	200E	10	HILL FEDERAL 1-10	U-44089	TA	

K

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No 1004-0137  
Expires March 31, 2007

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

**SUBMIT IN TRIPLICATE - Other Instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-78433
2. Name of Operator Gasco Production Company		6. If Indian, Allottee, or Tribe Name NA
3a. Address 8 Inverness Drive East Ste 100 Englewood, Co 80112	3b. Phone No. (include area code) 303-483-0044	7. If Unit or CA, Agreement Name and/or No. NA
4. Location of Well (Footage, Sec., T, R., M., or Survey Description) 1727' FNL & 2126' FWL SE NW of Section 22-T9S-R19E		8. Well Name and No. Lytham Federal 22-22-9-19
		9. API Well No. 43-047-34607
		10. Field and Pool, or Exploratory Area Riverbend
		11. County or Parish, State Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) 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"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	_____	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input checked="" type="checkbox"/> Water Disposal	_____	

13 Describe Proposed or Completed Operations (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.

*This is to inform you that we will be disposing of water from this well as follows:*

*All produced water from this well will be trucked off the location and disposed of at Brennan bottom Water Disposal located between Roosevelt and Vernal Utah.*

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

RECEIVED  
APR 26 2006

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

Name (Printed Typed) Beverly Walker	Title Engineering Technician
Signature <i>Beverly Walker</i>	Date April 20, 2006

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

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No 1004-0137  
Expires March 31, 2007

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

**SUBMIT IN TRIPLICATE** - Other Instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-78433
2. Name of Operator Gasco Production Company		6. If Indian, Allottee, or Tribe Name NA
3a. Address 8 Inverness Drive East Ste 100 Englewood, Co 80112	3b. Phone No. (include area code) 303-483-0044	7. If Unit or CA. Agreement Name and/or No. NA
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1727' FNL & 2126' FWL SE NW of Section 22-T9S-R19E		8. Well Name and No. Lytham Federal 22-22-9-19
		9. API Well No. 43-047-34607
		10. Field and Pool, or Exploratory Area Riverbend
		11. County or Parish, State Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) 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 checked="" type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering 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 type="checkbox"/> Other _____
	<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 Operations (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.

*This well was started on production on 11/8/03*

RECEIVED  
APR 26 2006  
DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) Beverly Walker	Title Engineering Technician
Signature <i>Beverly Walker</i>	Date April 20, 2006

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

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

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 any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.







UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

5. Lease Serial No.  
**UTU-78433**

6. If Indian, Allottee or Tribe Name  
**NA**

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

8. Well Name and No.  
**Lytham Federal 22-22-9-19**

9. API Well No.  
**43-047-34607**

10. Field and Pool, or Exploratory Area  
**Riverbend**

11. County or Parish, State  
**Uintah County, Utah**

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

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**Gasco Production Company**

3a. Address  
**8 Inverness Dr E, Englewood, Colorado 80112**

3b. Phone No. (include area code)  
**303-483-0044**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1727' FNL & 2126' FWL SE NW of Section 22-T9S-R19E**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>Site Security</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (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.

*Please find attached a copy of the site security diagram for this well.*

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

Name (Printed/Typed) <b>Beverly Walker</b>	Title <b>Engineering Technician</b>
Signature <i>Beverly Walker</i>	Date <b>March 8, 2007</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

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

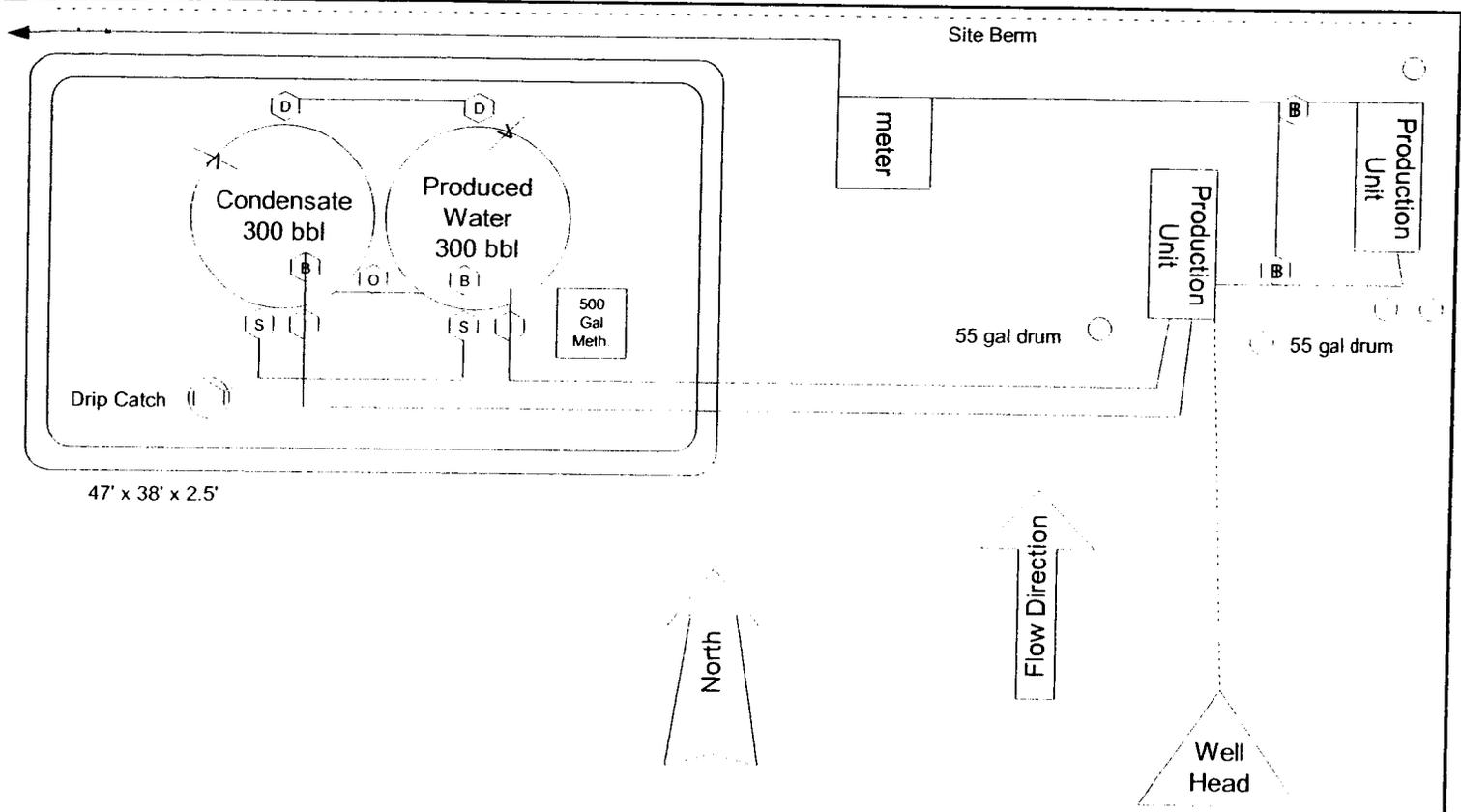
Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**

**MAR 12 2007**

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



This lease is subject to the Site Security Plan for GASCO Production Company. The Plan is located at GASCO Production Company, 8 Inverness Drive East, Suite 100, Englewood, CO 80112-5625.

**LEGEND**

- S - Sales Valve
- D - Drain Valve
- I - Inlet Valve
- O - Overflow
- B - Blowdown
- V - Vent

**POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION/BLOWDOWN**

Valves	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
S	Sales	Closed	Yes
I	Inlet	Open	No
O	Overflow	Open/Closed	No
B	Blowdown	Open/Closed	No

**POSITION OF VALVES AND USE OF SEALS DURING SALES**

Valves	Line Purpose	Position	Seal Installed
D	Drain	Closed	Yes
S	Sales	Open	No
I	Inlet	Closed	Yes
O	Overflow	Closed	Yes
B	Blowdown	Closed	Yes

**POSITION OF VALVES AND USE OF SEALS DURING WATER DRAIN**

Valves	Line Purpose	Position	Seal Installed
D	Drain	Open	No
S	Sales	Closed	Yes
I	Inlet	Closed	No
O	Overflow	Closed	No
B	Blowdown	Closed	No

**BUYS & ASSOCIATES, INC.**  
**ENVIRONMENTAL CONSULTANTS**

GASCO Production Company  
 Lytham Federal 22-22-9-19  
 SE/SW Sec. 22, Twp. 9S, Rge. 19E  
 Uintah County, Utah

<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-78433
<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> LYTHAM FED 22-22-9-19
<b>2. NAME OF OPERATOR:</b> GASCO PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43047346070000
<b>3. ADDRESS OF OPERATOR:</b> 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	<b>PHONE NUMBER:</b> 303 483-0044 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1727 FNL 2126 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 22 Township: 09.0S Range: 19.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> PARIETTE BENCH  <b>COUNTY:</b> UINTAH  <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: 1/7/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE  <input 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 checked="" type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

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

Gasco would like to dispose of water at Integrated Water management, LLC state approved commercial disposal facility located in Section 30, 2 south Range 4 west in North Blue Bench UT. This facility would be used in addition to the currently approved disposal facilities that Gasco uses to dispose of water from this well.

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

<b>NAME (PLEASE PRINT)</b> Roger Knight	<b>PHONE NUMBER</b> 303 996-1803	<b>TITLE</b> EHS Supervisor
<b>SIGNATURE</b> N/A		<b>DATE</b> 12/30/2010

Effective Date: 4/16/2015

<b>FORMER OPERATOR:</b>	<b>NEW OPERATOR:</b>
Gasco Production Company N2575 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805	Badlands Production Company N4265 7979 E. Tufts Avenue, Suite 11500 Denver, CO 80237 303-996-1805
CA Number(s):	Unit(s): Gate Canyon, Wilkin Ridge Deep, RBU-EOR-GRRV

**WELL INFORMATION:**

Well Name	Sec	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
See Attached List									

**OPERATOR CHANGES DOCUMENTATION:**

1. Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2015
2. Sundry or legal documentation was received from the **NEW** operator on: 6/2/2015
3. New operator Division of Corporations Business Number: 1454161-0143

**REVIEW:**

1. Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 6/2/2015
2. Receipt of Acceptance of Drilling Procedures for APD on: N/A
3. Reports current for Production/Disposition & Sundries: 6/3/2015
4. OPS/SI/TA well(s) reviewed for full cost bonding: 1/20/2016
5. UIC5 on all disposal/injection/storage well(s) approved on: N/A
6. Surface Facility(s) included in operator change: None
7. Inspections of PA state/fee well sites complete on (only upon operators request): N/A

**NEW OPERATOR BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: SUR0027842
2. Indian well(s) covered by Bond Number: N/A
3. State/fee well(s) covered by Bond Number(s): SUR0027845  
SUR0035619 -FCB

**DATA ENTRY:**

1. Well(s) update in the **OGIS** on: 1/22/2016
2. Entity Number(s) updated in **OGIS** on: 1/22/2016
3. Unit(s) operator number update in **OGIS** on: 1/22/2016
4. Surface Facilities update in **OGIS** on: N/A
5. State/Fee well(s) attached to bond(s) in **RBDMS** on: 1/22/2016
6. Surface Facilities update in **RBDMS** on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

1. The **NEW** operator of the Fee (Mineral) wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 1/22/2016

**COMMENTS:**

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From: Gasco Production Company  
 To: Badlands Production Company  
 Effective Date: 4/16/2015

Well Name	Section	TWN	RNG	API Number	Entity	Mineral	Surface	Type	Status
FEDERAL 23-18G-9-19	18	090S	190E	4304752496		Federal	Federal	OW	APD
FEDERAL 14-17G-9-19	17	090S	190E	4304752522		Federal	Federal	OW	APD
FEDERAL 13-18G-9-19	18	090S	190E	4304752538		Federal	Federal	OW	APD
FEDERAL 23-29G-9-19	29	090S	190E	4304752544		Federal	Federal	OW	APD
FEDERAL 24-20G-9-19	20	090S	190E	4304752545		Federal	Federal	OW	APD
FEDERAL 31-21G-9-19	21	090S	190E	4304752546		Federal	Federal	OW	APD
Federal 323-29-9-19	29	090S	190E	4304753026		Federal	Federal	GW	APD
Federal 421-29-9-19	29	090S	190E	4304753027		Federal	Federal	GW	APD
Federal 322-29-9-19	29	090S	190E	4304753029		Federal	Federal	GW	APD
Federal 431-29-9-19	29	090S	190E	4304753030		Federal	Federal	GW	APD
Federal 432-29-9-19	29	090S	190E	4304753031		Federal	Federal	GW	APD
Federal 414-29-9-19	29	090S	190E	4304753070		Federal	Federal	GW	APD
FEDERAL 412-29-9-19	29	090S	190E	4304753073		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753076		Federal	Federal	GW	APD
federal 321-29-9-19	29	090S	190E	4304753078		Federal	Federal	GW	APD
FEDERAL 213-29-9-19	29	090S	190E	4304753079		Federal	Federal	GW	APD
FEDERAL 321-29-9-19	29	090S	190E	4304753080		Federal	Federal	GW	APD
Federal 212-29-9-19	29	090S	190E	4304753133		Federal	Federal	GW	APD
State 321-32-9-19	32	090S	190E	4304754479		State	State	GW	APD
State 423-32-9-19	32	090S	190E	4304754480		State	State	GW	APD
State 421-32-9-19	32	090S	190E	4304754481		State	State	GW	APD
State 413-32-9-19	32	090S	190E	4304754482		State	State	GW	APD
State 323-32-9-19	32	090S	190E	4304754483		State	State	GW	APD
State 431-32-9-19	32	090S	190E	4304754529		State	State	GW	APD
Desert Spring State 224-36-9-18	36	090S	180E	4304754541		State	State	GW	APD
Desert Spring State 243-36-9-18	36	090S	180E	4304754542		State	State	GW	APD
Desert Spring State 241-36-9-18	36	090S	180E	4304754543		State	State	GW	APD
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	P
RBU 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P

From: Gasco Production Company  
 To: Badlands Production Company  
 Effective Date: 4/16/2015

RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P
FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P

From: Gasco Production Company  
 To: Badlands Production Company  
 Effective Date: 4/16/2015

SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P
LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
RBU 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S

From: Gasco Production Company  
To: Badlands Production Company  
Effective Date: 4/16/2015

RBU 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBU 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBU 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

**UTU-76482**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:

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

8. WELL NAME and NUMBER:  
**Desert Spring Fed 21-1-10-18**

2. NAME OF OPERATOR:  
**Gasco Production Company**

9. API NUMBER:  
**4304737631**

3. ADDRESS OF OPERATOR:  
**7979 E. Tufts Ave.** CITY **Denver** STATE **CO** ZIP **80237**

PHONE NUMBER:  
**(303) 483-0044**

10. FIELD AND POOL, OR WILDCAT:  
**Uteland Butte**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **0633 FNL 1512 FWL**

COUNTY: **Uintah**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NENW 1 10S 18E S**

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"/> <b>NOTICE OF INTENT</b> (Submit in Duplicate) Approximate date work will start: <b>4/16/2015</b>	<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"/> <b>SUBSEQUENT REPORT</b> (Submit Original Form Only) Date of work completion:	<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.

Gasco Production Company requests a change of operator on this well, in addition to the wells on the attached list from Gasco Production Company to Badlands Production Company, effective date of 4/16/2015.

Gasco Production Company  
7979 E Tufts Ave, Suite 1150  
Denver CO 80237  
303-996-1805

*Michael Decker*

Michael Decker, Exec. Vice President & COO

Badlands Production Company  
7979 E Tufts Ave, Suite 1150  
Denver CO 80237  
303-996-1805

*Michael Decker*

Michael Decker, Exec. Vice President & COO

RECEIVED

JUN 02 2015

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) **Lindsey Cooke**

TITLE **Engineering Tech**

SIGNATURE *Lindsey Cooke*

DATE **5/18/2015**

(This space for State use only)

**APPROVED**

**JAN 22 2016**

DIV. OIL GAS & MINING  
BY: *Rachel Medina*

Well Name	Section	TWN	RNG	API	Entity	Mineral	Surface	Type	Status
FEDERAL 332-30-9-19	30	090S	190E	4304753012	19650	Federal	Federal	GW	DRL
WILKIN RIDGE FED 43-29-10-17	29	100S	170E	4301333098	15941	Federal	Federal	GW	OPS
LAMB TRUST 11-23-9-19	23	090S	190E	4304736915	16556	Fee	Fee	GW	OPS
SHEEP WASH FED 43-26-9-18	26	090S	180E	4304738573	17201	Federal	Federal	GW	OPS
FEDERAL 13-19-9-19	19	090S	190E	4304739777	18344	Federal	Federal	GW	OPS
FEDERAL 12-17-9-19	17	090S	190E	4304739800	17202	Federal	Federal	GW	OPS
GATE CYN 31-21-11-15	21	110S	150E	4301332391	13787	State	State	GW	P
WILKIN RIDGE ST 12-32-10-17	32	100S	170E	4301332447	14033	State	State	GW	P
GATE CYN 41-20-11-15	20	110S	150E	4301332475	14417	State	State	GW	P
WILKIN RIDGE FED 34-17-10-17	17	100S	170E	4301332560	14726	Federal	Federal	GW	P
GATE CYN 41-19-11-16	19	110S	160E	4301332611	14439	Federal	Federal	GW	P
WILKIN RIDGE ST 44-32-10-17	32	100S	170E	4301332619	15649	State	State	GW	P
WILKIN RIDGE FED 12-4-11-17	4	110S	170E	4301332674	15537	Federal	Federal	GW	P
WILKIN RIDGE ST 24-32-10-17	32	100S	170E	4301332676	15242	State	State	GW	P
WILKIN RIDGE FED 23-29-10-17	29	100S	170E	4301332679	14033	Federal	Federal	GW	P
GATE CYN ST 23-16-11-15	16	110S	150E	4301332685	16082	State	State	GW	P
WILKIN RIDGE ST 34-16-10-17	16	100S	170E	4301332730	15243	State	State	GW	P
WILKIN RIDGE FED 31-29-10-17	29	100S	170E	4301332773	15370	Federal	Federal	GW	P
WILKIN RIDGE 32-08	8	110S	170E	4301332778	14802	Federal	Federal	GW	P
GATE CYN ST 23-16-11-16	16	110S	160E	4301332888	15098	State	State	GW	P
WILKIN RIDGE FED 24-20-10-17	20	100S	170E	4301333081	15714	Federal	Federal	GW	P
WILKIN RIDGE FED 32-20-10-17	20	100S	170E	4301333087	15807	Federal	Federal	GW	P
WILKIN RIDGE FED 14-4-11-17	4	110S	170E	4301333099	15920	Federal	Federal	GW	P
RYE PATCH FED 22-21	22	110S	140E	4301333437	16919	Federal	Federal	GW	P
RYE PATCH FED 24-21	24	110S	140E	4301333443	16367	Federal	Federal	GW	P
RBU 5-11D	11	100S	180E	4304730409	9005	Federal	Federal	OW	P
FEDERAL 7-25A	25	090S	180E	4304730624	9030	Federal	Federal	OW	P
RBU 6-2D	2	100S	180E	4304731190	7075	State	State	OW	P
NGC 33-18J	18	090S	190E	4304731200	6155	Federal	Federal	OW	P
RBU 13-2D	2	100S	180E	4304731280	16267	State	State	OW	P
RBU 16-3D	3	100S	180E	4304731352	16268	Federal	Federal	OW	P
RBU 10-11D	11	100S	180E	4304731357	7053	Federal	Federal	OW	P
RBU 8-10D	10	100S	180E	4304731364	4955	Federal	Federal	OW	P
RBU 15-3D	3	100S	180E	4304731539	9965	Federal	Federal	OW	P
RBU 12-12D	12	100S	180E	4304731651	10688	Federal	Federal	OW	P
RBU 2-10D	10	100S	180E	4304731801	10784	Federal	Federal	OW	P
RBU 3-15D	15	100S	180E	4304733600	13213	Federal	Federal	OW	P
RBU 3-12D	12	100S	180E	4304733739	14492	Federal	Federal	OW	P
STATE 7-36A	36	090S	180E	4304733741	14244	State	State	GW	P
FEDERAL 34-29	29	090S	190E	4304733750	13174	Federal	Federal	GW	P
FEDERAL 24-7 #1	7	100S	180E	4304733983	13182	Federal	Federal	GW	P
FEDERAL 23-29 #1	29	090S	190E	4304734111	13441	Federal	Federal	GW	P
FED 24-20-9-19	20	090S	190E	4304734168	14150	Federal	Federal	GW	P
FED 44-20-9-19	20	090S	190E	4304734169	14140	Federal	Federal	GW	P
FED 23-21-9-19	21	090S	190E	4304734199	13601	Federal	Federal	GW	P
FED 32-31-9-19	31	090S	190E	4304734201	13641	Federal	Federal	GW	P
FED 42-29-9-19	29	090S	190E	4304734202	13455	Federal	Federal	GW	P
PETES WASH 23-12 #1	12	100S	170E	4304734286	13492	Federal	Federal	GW	P
STATE 4-32B	32	090S	190E	4304734314	14440	State	State	GW	P
FED 14-18-2 #1	18	100S	180E	4304734539	13491	Federal	Federal	GW	P
FED 43-24-3 #1	24	100S	170E	4304734551	13726	Federal	Federal	GW	P
LYTHAM FED 22-22-9-19	22	090S	190E	4304734607	13640	Federal	Federal	GW	P
FED 11-21-9-19	21	090S	190E	4304734608	14151	Federal	Federal	GW	P
FED 22-30-10-18	30	100S	180E	4304734924	14280	Federal	Federal	GW	P
FEDERAL 43-30-9-19	30	090S	190E	4304735343	14202	Federal	Federal	GW	P
FED 11-22-9-19	22	090S	190E	4304735404	14203	Federal	Federal	GW	P
FED 42-21-9-19	21	090S	190E	4304735405	14928	Federal	Federal	GW	P
STATE 24-16-9-19	16	090S	190E	4304735588	14418	State	Federal	GW	P

FEDERAL 31-21-9-19	21	090S	190E	4304735606	14441	Federal	Federal	GW	P
FEDERAL 12-29-9-19	29	090S	190E	4304735614	14442	Federal	Federal	GW	P
FEDERAL 24-31-9-19	31	090S	190E	4304735623	14640	Federal	Federal	GW	P
FEDERAL 41-31-9-19	31	090S	190E	4304735624	14419	Federal	Federal	GW	P
LAMB TRUST 24-22-9-19	22	090S	190E	4304735732	14496	Fee	Fee	GW	P
LAMB TRUST 24-14-9-19	14	090S	190E	4304735733	14519	Fee	Fee	GW	P
FEDERAL 11-22-10-18	22	100S	180E	4304735808	15592	Federal	Federal	GW	P
FEDERAL 21-6-10-19	6	100S	190E	4304735844	14356	Federal	Federal	GW	P
DESERT SPRING ST 41-36-9-18	36	090S	180E	4304735845	14639	State	State	GW	P
STATE 12-32-9-19	32	090S	190E	4304735995	14871	State	State	GW	P
FEDERAL 12-20-9-19	20	090S	190E	4304736093	14976	Federal	Federal	GW	P
FEDERAL 32-20-9-19	20	090S	190E	4304736094	16120	Federal	Federal	GW	P
FEDERAL 23-30-9-19	30	090S	190E	4304736095	14872	Federal	Federal	GW	P
SHEEP WASH FED 34-26-9-18	26	090S	180E	4304736113	15096	Federal	Federal	GW	P
DESERT SPRING ST 23-36-9-18	36	090S	180E	4304736219	14738	State	State	GW	P
DESERT SPRING ST 21-36-9-18	36	090S	180E	4304736220	14763	State	State	GW	P
DESERT SPRING ST 12-36-9-18	36	090S	180E	4304736233	14764	State	State	GW	P
DESERT SPRING ST 43-36-9-18	36	090S	180E	4304736241	14992	State	State	GW	P
DESERT SPRING ST 34-36-9-18	36	090S	180E	4304736242	14716	State	State	GW	P
FEDERAL 14-31-9-19	31	090S	190E	4304736271	15884	Federal	Federal	GW	P
FEDERAL 12-31-9-19	31	090S	190E	4304736336	15086	Federal	Federal	GW	P
FEDERAL 21-31-9-19	31	090S	190E	4304736368	15605	Federal	Federal	GW	P
FEDERAL 23-31-9-19	31	090S	190E	4304736442	15715	Federal	Federal	GW	P
SHEEP WASH FED 43-25-9-18	25	090S	180E	4304736600	14977	Federal	Federal	GW	P
FEDERAL 43-19-9-19	19	090S	190E	4304736719	15186	Federal	Federal	GW	P
SHEEP WASH FED 21-25-9-18	25	090S	180E	4304736727	15475	Federal	Federal	GW	P
FEDERAL 21-30-9-19	30	090S	190E	4304736739	15476	Federal	Federal	GW	P
SHEEP WASH FED 23-25-9-18	25	090S	180E	4304736740	15213	Federal	Federal	GW	P
FEDERAL 23-19-9-19	19	090S	190E	4304736771	15355	Federal	Federal	GW	P
SHEEP WASH FED 41-25-9-18	25	090S	180E	4304736772	15338	Federal	Federal	GW	P
FEDERAL 41-30-9-19	30	090S	190E	4304736817	15212	Federal	Federal	GW	P
LAMB TRUST 34-22-9-19	22	090S	190E	4304736913	15187	Fee	Fee	GW	P
LAMB TRUST 14-14-9-19	14	090S	190E	4304736916	17012	Fee	Fee	GW	P
DESERT SPRING ST 33-36-9-18	36	090S	180E	4304737115	15011	State	State	GW	P
FEDERAL 14-17-9-19	17	090S	190E	4304737116	16163	Federal	Federal	GW	P
FEDERAL 34-18-9-19	18	090S	190E	4304737117	16275	Federal	Federal	GW	P
UTELAND ST 41-2-10-18	2	100S	180E	4304737132	15087	State	State	GW	P
UTELAND ST 43-2-10-18	2	100S	180E	4304737338	15365	State	State	GW	P
FEDERAL 41-19-9-19	19	090S	190E	4304737611	16311	Federal	Federal	GW	P
FEDERAL 32-30-9-19	30	090S	190E	4304737612	16051	Federal	Federal	GW	P
FEDERAL 12-30-9-19	30	090S	190E	4304737613	16052	Federal	Federal	GW	P
FEDERAL 21-19-9-19	19	090S	190E	4304737621	16253	Federal	Federal	GW	P
FEDERAL 14-18-9-19	18	090S	190E	4304737622	16264	Federal	Federal	GW	P
FEDERAL 34-30-9-19	30	090S	190E	4304737630	16557	Federal	Federal	GW	P
DESERT SPRING FED 21-1-10-18	1	100S	180E	4304737631	15961	Federal	Federal	GW	P
FEDERAL 12-1-10-18	1	100S	180E	4304737646	16023	Federal	Federal	GW	P
SHEEP WASH FED 14-25-9-18	25	090S	180E	4304737647	16121	Federal	Federal	GW	P
UTELAND ST 21-2-10-18	2	100S	180E	4304737676	16254	State	State	GW	P
UTELAND ST 12-2-10-18	2	100S	180E	4304737677	15806	State	State	GW	P
UTELAND ST 34-2-10-18	2	100S	180E	4304738028	16868	State	State	GW	P
FEDERAL 14-19-9-19	19	090S	190E	4304738336	16467	Federal	Federal	GW	P
FEDERAL 34-19-9-19	19	090S	190E	4304738337	16119	Federal	Federal	GW	P
SHEEP WASH FED 41-26-9-18	26	090S	180E	4304738351	16884	Federal	Federal	GW	P
SHEEP WASH FED 32-25-9-18	25	090S	180E	4304738352	16349	Federal	Federal	GW	P
SHEEP WASH FED 34-25-9-18	25	090S	180E	4304738353	16210	Federal	Federal	GW	P
FEDERAL 12-19-9-19	19	090S	190E	4304738407	16236	Federal	Federal	GW	P
SHEEP WASH FED 23-26-9-18	26	090S	180E	4304738465	16558	Federal	Federal	GW	P
SHEEP WASH FED 12-25-9-18	25	090S	180E	4304738469	16449	Federal	Federal	GW	P
FEDERAL 23-18-9-19	18	090S	190E	4304738575	16312	Federal	Federal	GW	P

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	S
RBV 4-11D	11	100S	180E	4304730718	16269	Federal	Federal	OW	S
RBV 2-11D	11	100S	180E	4304730826	16270	Federal	Federal	OW	S
RBV 6-11D	11	100S	180E	4304731192	16271	Federal	Federal	OW	S
STATE 2-32B	32	090S	190E	4304732221	11371	State	State	GW	S
STATE 9-36A	36	090S	180E	4304732225	11364	State	State	GW	S
FEDERAL 13-30B	30	090S	190E	4304733581	13249	Federal	Federal	GW	S
STATE 13-36A	36	090S	180E	4304733598	17838	State	State	GW	S
FEDERAL 16-26A	26	090S	180E	4304733601	12928	Federal	Federal	GW	S
FEDERAL 31-29	29	090S	190E	4304733653	13077	Federal	Federal	GW	S
RBV 1-10D	10	100S	180E	4304734312	16265	Federal	Federal	OW	S
FEDERAL 13-18-9-19	18	090S	190E	4304739776	17149	Federal	Federal	GW	S