



14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

March 25, 2005

Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Re: Gasco Production Company
Federal #12-6-10-19
2003' FNL and 1179' FWL
SW NW Section 6, T10S - R19E
Uintah County, Utah
Lease No. UTU-76490

Gentlemen:

Enclosed please find two copies of the Application for Permit to Drill, along with one copy of the Onshore Order No. 1 which was filed with the BLM in Vernal, Utah.

If you should need additional information, please don't hesitate to contact me. Approved copies of the A.P.D. should be sent to Permitco Inc. at the address shown above.

Sincerely,

PERMITCO INC.

Venessa Langmacher

Venessa Langmacher
Consultant for
Gasco Production Company

RECEIVED
MAR 28 2005

DIV. OF OIL, GAS & MINING

Enc.

cc: Gasco Production Company - Englewood, CO
Shawn Elworthy - Roosevelt, UT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

001 APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-76490
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 N/A
2. Name of Operator 303-483-0044 14 Inverness Drive East, Suite #H236 Gasco Production Company Englewood, CO 80112		7. If Unit or CA Agreement, Name and No. N/A
3. Name of Agent 303-857-9999 14421 County Road 10 Permitco Inc. - Agent Fort Lupton, CO 80621		8. Lease Name and Well No. Federal #12-6-10-19
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 2003' FNL and 1179' FWL 600132X 39.974607 At proposed prod. zone SW NW 4425387Y -109.827417		9. API Well No. 43-047-36464
14. Distance in miles and direction from nearest town or post office* Approximately 26.6 miles southeast of Myton, UT.		10. Field and Pool, or Exploratory Wildcat Natural Buttes
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1179'	16. No. of Acres in lease 1005.9	11. Sec., T., R., M., or Blk. and Survey or Area Section 6, T10S-R19E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 1700'	19. Proposed Depth 11,335'	12. County or Parish Uintah
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4963' GL	22. Approximate date work will start* ASAP	13. State UT
17. Spacing Unit dedicated to this well 40 Acres; SW NW		
20. BLM/BIA Bond No. on file Bond #UT-1233		
23. Estimated duration 40 Days		

24. Attachments

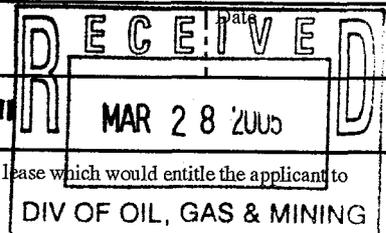
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 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. |

CONFIDENTIAL-TIGHT HOLE

25. Signature <i>Venessa Langmacher</i>	Name (Printed/Typed) Venessa Langmacher	Date 3/25/2005
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Approved by (Signature) <i>Bradley Hill</i> 04-04-05	Name (Printed/Typed) BRADLEY G. HILL ENVIRONMENTAL SCIENTIST III
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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)

**Federal Approval of this
Action is Necessary**

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1819
E E

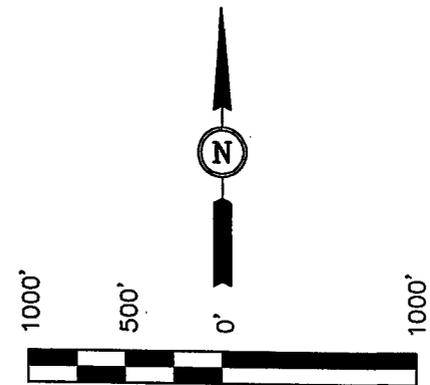
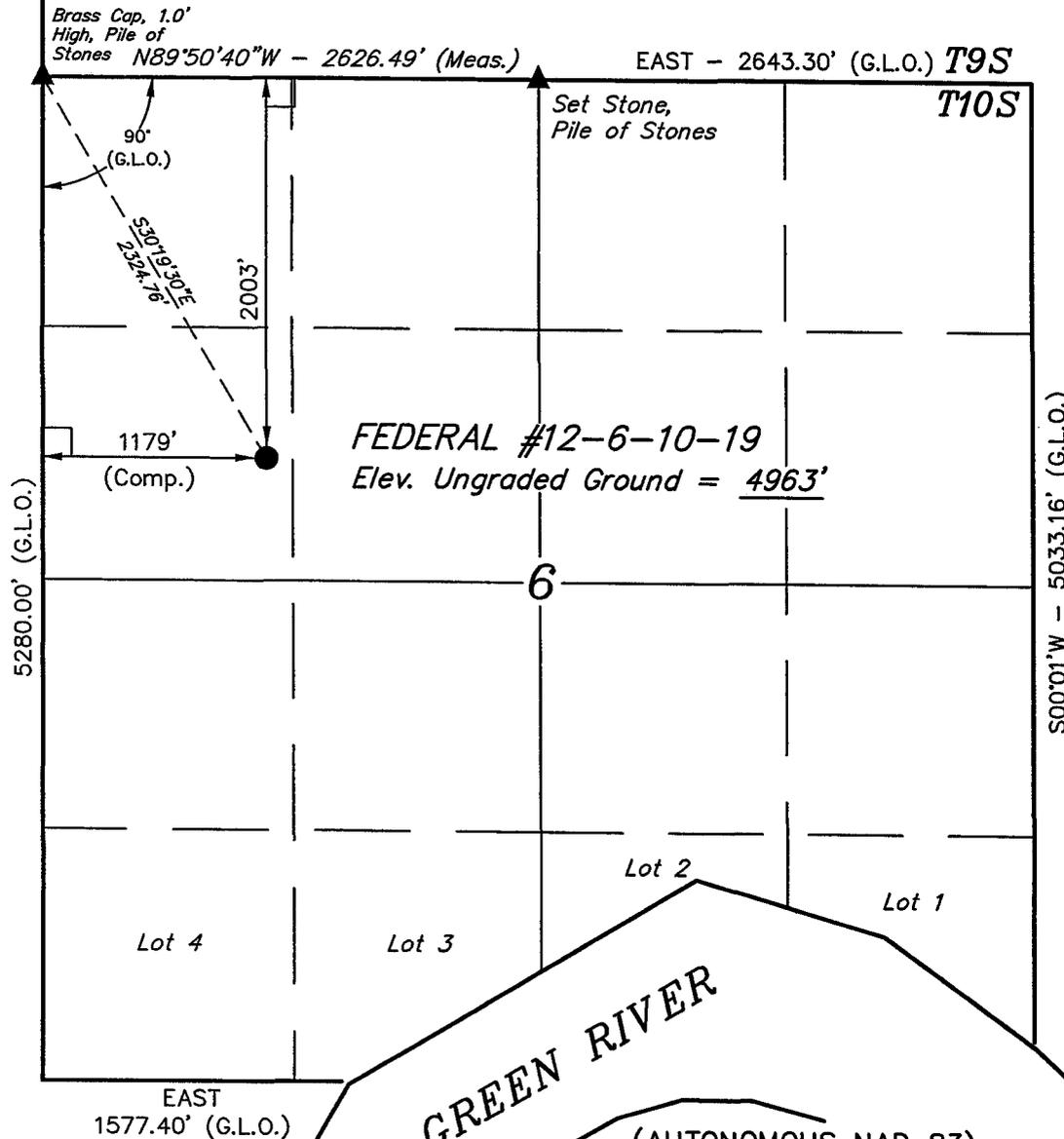
T10S, R19E, S.L.B.&M.

GASCO PRODUCTION COMPANY

Well location, FEDERAL #12-6-10-19, located as shown in the SW 1/4 NW 1/4 of Section 6, T10S, R19E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION LOCATED AT THE NORTHWEST CORNER OF SECTION 31, T9S, R19E, S.L.B.&M. TAKEN FROM THE CROW KNOLL 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 4838 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 H. Gray
REGISTERED LAND SURVEYOR
REGISTRATION NO. 151319
STATE OF UTAH

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

(AUTONOMOUS NAD 83)
LATITUDE = 39°58'28.75" (39.9746531)
LONGITUDE = 109°49'42.07" (109.828353)

(AUTONOMOUS NAD 27)
LATITUDE = 39°58'28.88" (39.974689)
LONGITUDE = 109°49'39.56" (109.827656)

UINTAH ENGINEERING & LAND SURVEYING		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 01-17-05	DATE DRAWN: 01-19-05
PARTY J.F. W.Z. C.G.		REFERENCES G.L.O. PLAT
WEATHER COLD	FILE GASCO PRODUCTION COMPANY	

CONFIDENTIAL - TIGHT HOLE

ONSHORE OIL & GAS ORDER NO. 1

**Approval of Operations on Onshore
Federal and Indian Oil & Gas Leases**

**FEDERAL #12-6-10-19
2003' FNL and 1179' FWL
SW NW Section 6, T10S - R19E
Uintah County, Utah**

Prepared For:

Gasco Production Company

By:

**PERMITCO INC.
14421 County Road 10
Ft. Lupton, Colorado 80621
303/857-9999**

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Copies Sent To:

- 3 - Bureau of Land Management - Vernal, UT**
- - Utah Division of Oil, Gas, & Mining - SLC, UT**
- 2 - Gasco Production Company - Englewood, CO**
- 1 - Shawn Elworthy - Roosevelt, UT**



APPLICATION FOR PERMIT TO DRILL OR REENTER

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.
Attached.
2. A Drilling Plan
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.
See Surface Use Plan Attached.
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20).
Bond coverage for this well is provided by Gasco Production Company under their BLM Bond No. Bond #UT-1233.
5. Operator certification.
Please be advised that Gasco Production Company is considered to be the operator of the above mentioned well. Gasco Production Company agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands.
6. Such other site specific information and/or plans as may be required by the authorized officer.

ONSHORE ORDER NO. 1
Gasco Production Company
Federal #12-6-10-19
2003' FNL and 1179' FWL
SW NW Section 6, T10S - R19E
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-76490

DRILLING PROGRAM

Page 1

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal and Indian Oil and Gas Leases

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 Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS**

<i>Formation</i>	<i>Depth</i>	<i>Subsea</i>
Wasatch	4,960'	+13'
Measverde	8,735'	-3,762'
Castlegate	11,135'	-6,162'
TD	11,335'	-6,362'

2. **ESTIMATED DEPTH OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:**

<i>Substance</i>	<i>Formation</i>	<i>Depth</i>
Gas	Wasatch	4,960'
Gas	Mesaverde	8,735'
Gas	Castlegate	11,135'

All fresh water prospectively valuable minerals encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.



3. PRESSURE CONTROL EQUIPMENT

Gasco Production Company's minimum specifications for pressure control equipment are as follows:

Ram Type: 11" Hydraulic double with annular, 5000 psi w.p.

Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 70 percent of internal yield pressure of casing. Pressure shall be maintained for at least 10 minutes or until requirements of test are met, whichever is longer. If a test plug is utilized, no bleed-off pressure is acceptable. For a test not utilizing a test plug, if a decline in pressure of more than 10 percent in 30 minutes occurs, the test shall be considered to have failed. Valve on casing head below test plug shall be open during test of BOP stack.

Annular type preventers (if used) shall be tested to 50 percent of rated working pressure. Pressure shall be maintained at least 10 minutes or until provisions of test are met, whichever is longer.

As a minimum, the above test shall be performed:

- a. when initially installed;
- b. whenever any seal subject to test pressure is broken
- c. following related repairs; and
- d. at 30-day intervals

Valves shall be tested from working pressure side during BOPE tests with all down stream valves open.

When testing the kill line valve(s) the check valve shall be held open or the ball removed.

Annular preventers shall be functionally operated at least weekly.

Pipe and blind rams shall be activated each trip, however, this function need not be performed more than once a day.

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

Pressure tests shall apply to all related well control equipment.

All of the above described tests and/or drills shall be recorded in the drilling log.



BOP systems shall be consistent with API RP53. Pressure tests will be conducted before drilling out from under casing strings which have been set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection will be recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have the BLM representative on location during pressure testing.

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not been chosen to drill this well, most of the equipment for this depth of hole in the area use a 11", 5000 psi working pressure blowout preventor.
- b. A choke line and a kill line are to be properly installed. The kill line is not to be used as a fill-up line.
- c. The accumulator system shall have a pressure capacity to provide for repeated operation of hydraulic preventers.
- d. Drill string safety valve(s), to fit all tools in the drill string, are to be maintained on the rig floor while drilling operations are in progress.

4. **PROPOSED CASING AND CEMENTING PROGRAM:**

- a. 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 indications of usable water shall be reported.



- b. Casing design shall assume formation pressure gradients of 0.44 to 0.50 psi per foot for exploratory wells (lacking better data).
- c. Casing design shall assume fracture gradients from 0.70 to 1.00 psi per foot for exploratory wells (lacking better data)
- d. Casing collars shall have a minimum clearance of 0.422 inches of all sides in the hole/casing annulus, with recognition that variances can be granted for justified exceptions.
- e. All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.
- f. All casing except the conductor casing, shall be new or reconditioned and tested used casing that meets or exceeds API standards for new casing.
- g. The surface casing shall be cemented back to surface either during the primary cement job or by remedial cementing.
- h. All indications of usable water shall be reported to the authorized officer prior to running the next string of casing or before plugging orders are requested, whichever occurs first.
- i. Three centralizers will be run on the bottom three joints of surface casing with a minimum of one centralizer per joint starting with the shoe joint.
- j. 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 fluid being displaced ahead of the cement slurry.
- k. All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or 1500 psi, whichever is greater, but not to exceed 70 percent of the minimum internal yield. If pressure declines more than 10 percent in 30 minutes, corrective action shall be taken.
- l. On all exploratory wells, and on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed before drilling more than 20 feet of new hole.



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DRILLING PROGRAM

Page 5

m. The proposed casing program will be as follows:

<i>Purpose</i>	<i>Depth</i>	<i>Hole Size</i>	<i>O.D.</i>	<i>Weight</i>	<i>Grade</i>	<i>Type</i>	<i>New/Used</i>
Conductor	0-170'	17-1/2"	13-3/8"	48#	H-40	---	New
Surface	0-3,313'	12-1/4"	8-5/8"	32#	J-55	ST&C	New
Production	0-11,335'	7-7/8"	4-1/2"	13.5#	P-110	LT&C	New

n. Casing design subject to revision based on geologic conditions encountered.

o. The cement program will be as follows:

<i>Surface</i>	<i>Type and Amount</i>
TOC @ Surface	225 sxs Premium Type 5, 15.6 ppg, 1.18 yield
<i>Intermediate</i>	<i>Type and Amount</i>
TOC @ Surface	Lead: 545 sx Hi-Lift, 11 ppg, 3.91 cu.ft./ft, Tail: 185 sx 10-2 RFC, 14.2 ppg, 1.63 yield
<i>Production</i>	<i>Type and Amount</i>
TOC @ 2,500'	Lead: 366 sx Hi-Lift, 11.5 ppg, 3.05 cu.ft./ft, Tail: 1329 sx 50:50 Poz, 14.1 ppg, 1.28 cu.ft./ft

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

q. After cementing 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.

r. The following reports shall be filed with the District Manager within 30 days after the work is completed.



1. Progress reports, Form 3160-5 (formerly 9-331) "Sundry Notices and Reports on Wells", must include complete information concerning:
 - a. Setting of each string of casing, showing the size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
 - b. Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.

- s. Auxiliary equipment to be used is as follows:
 1. Kelly cock
 2. No bit float is deemed necessary.
 3. A sub with a full opening valve.

5. **MUD PROGRAM**

- a. The proposed circulating mediums to be employed in drilling are as follows:

<i>Interval</i>	<i>Mud Type</i>	<i>Mud Wt.</i>	<i>Visc.</i>	<i>F/L</i>	<i>pH</i>
0 - 3,448'	Water	8.4	----	---	8
3,448' - 9,000'	DAP & Water	9.0-9.4	---	---	8
9,000' - TD	DAP Polymer Mud	9.4-11.5	30-40	15-20	7-8

There will be sufficient mud on location to control a blowout should one occur.

A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, static filtration loss, and Ph.



- b. Mud monitoring equipment to be used is as follows:
 - 1. Periodic checks will be made each tour of the mud system. The mud level will be checked visually.
- c. 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.
- d. 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 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 of this well.
- e. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

6. EVALUATION PROGRAM

The anticipated type and amount of testing, logging and coring are as follows:

- a. No drill stem tests are anticipated, however, if DST's are run, the following requirements will be adhered to:

Initial opening of 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 DSTs may be accomplished day or night.

A DST that flows to the surface with evidence of hydrocarbons shall be either reversed out of the testing string under controlled surface conditions. This would involve provided some means for reverse circulation.

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 "run" during the test shall have spark arresters or water cooled exhausts.

- b. A Triple combo log will be run from TD - 3,458' and a GR will be run from TD - Surface.
- c. No cores are anticipated.
- d. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cutting, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).
- e. The anticipated completion program is as follows: Complete all productive zones utilizing multi-stage completion techniques.
- f. Daily drilling and completion progress reports shall be submitted to the BLM in Vernal on a weekly basis.

7. ABNORMAL TEMPERATURES OR PRESSURES

- a. The expected bottom hole pressure is 6780 psi.
- b. No Hydrogen Sulfide Gas is anticipated.

8. ANTICIPATED STARTING DATES AND NOTIFICATION OF OPERATIONS

- a. Drilling is planned to commence on upon approval of this application.
- b. It is anticipated that the drilling of this well will take approximately 40 days.
- c. The BLM in Vernal, Utah shall be notified of the anticipated date of location construction commencement and of anticipated spud date.



- d. 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.
- e. The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.
- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed with the Vernal BLM District Office, 170 South 500 East, Vernal, UT 84078.
- g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.
- h. 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.
- i. Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communications, not later than 5 days following the date on which the well is placed on production.
- j. Pursuant to Onshore Order No. 7, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.
- k. Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.



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DRILLING PROGRAM

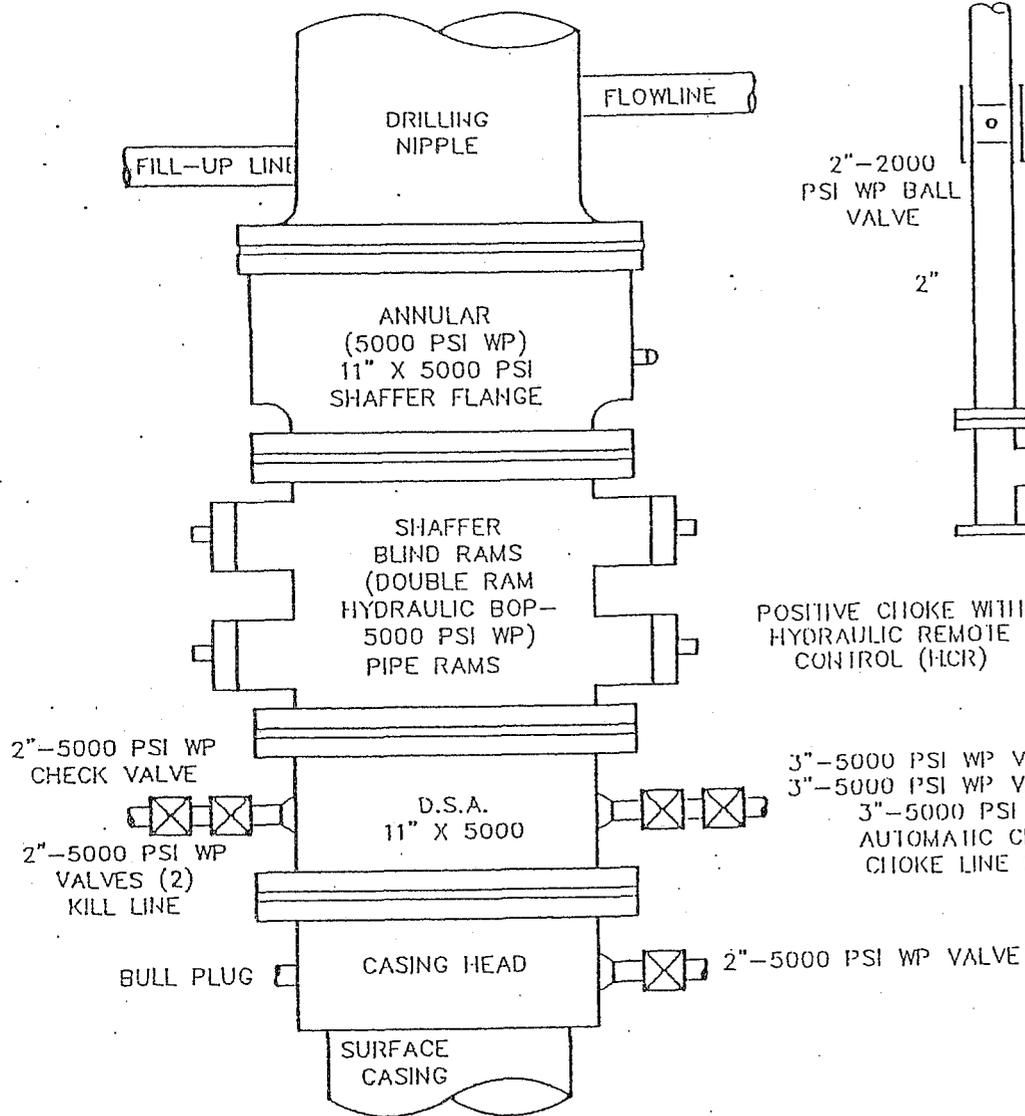
Page 10

- i. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore 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 (b.4.).
- m. A first production conference will be scheduled within 15 days after receipt of the first production notice.
- n. 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 SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 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.
- o. Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

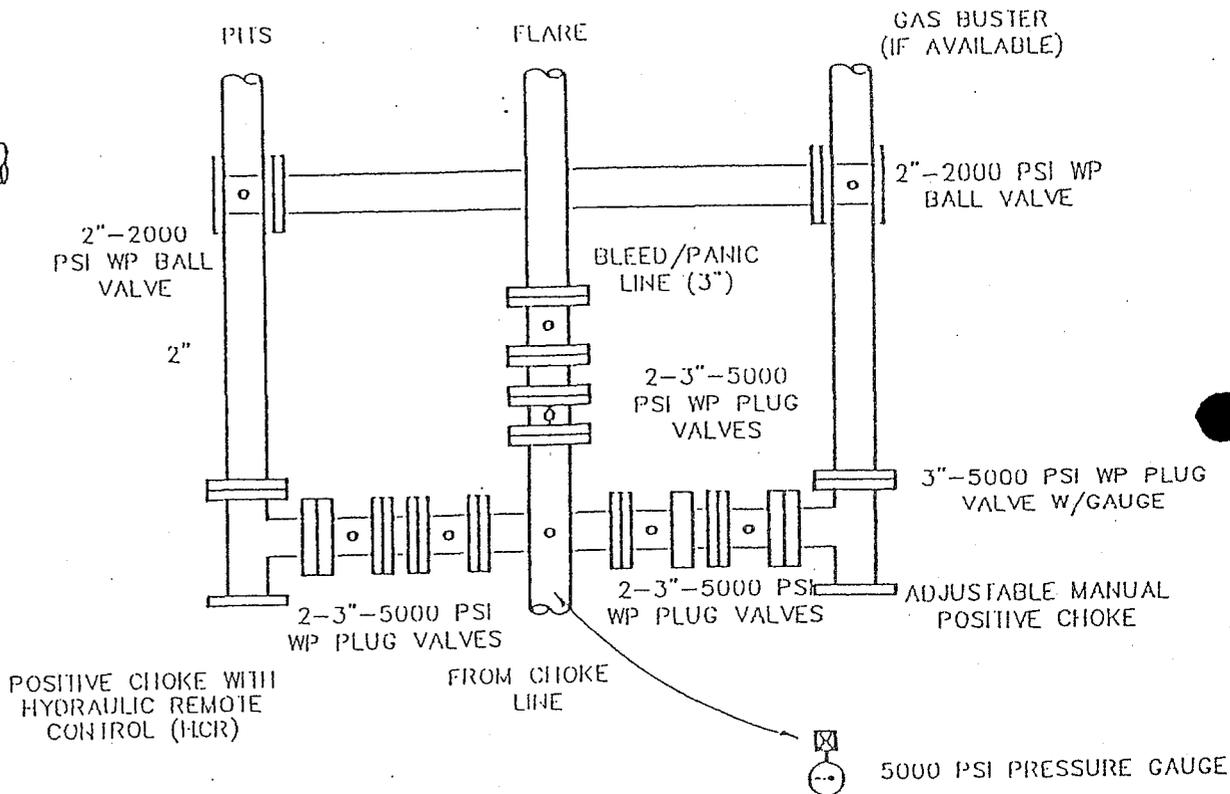
Bureau of Land Management 170 South 500 East Vernal, Utah 84078		
Phone: 435/781-4400	After Hours:	Fax: 435/781-4410
Kirk Fleetwood	Petroleum Engineer	435/828-7875



BOP SCHEMATIC
5000 PSI WORKING PRESSURE



PLAN VIEW CHOKER MANIFOLD



THE HYDRAULIC CLOSING UNIT WILL BE LOCATED MORE THAN 30' FROM THE WELLHEAD. CHOKER AND BLEED/PANIC LINES WILL GO TO THE PIT AND FLARE. ALL CONNECTIONS IN CHOKER LINES AND MANIFOLD WILL BE FLANGED OR WELDED. ALL FLANGES SHOULD BE RING JOINT GASKET TYPE. ALL TURNS IN LINES SHALL BE CONSTRUCTED USING TARGETING 90° TEES OR ELLS. ALL LINES SHALL BE ANCHORED.

**ONSHORE OIL & GAS ORDER NO. 1
NOTIFICATION REQUIREMENTS**

- Location Construction - forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - twenty-four (24) hours prior to initiating pressure tests.
- First Production - Notice within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

The onsite inspection for the subject well site was conducted on Tuesday, February 1, 2005 at approximately 3:45 p.m. Weather conditions were clear, cool and sunny. At the time of inspection, there was approximately 4" of snow on the ground. In attendance at the onsite inspection were the following individuals:

Stan Olmstead	Natural Resource Specialist	Bureau of Land Management
Amy Torres	Wildlife Biologist	Bureau of Land Management
Robert Kay	Surveyor	Uintah Engineering and Land Surveying
Lisa Smith	Permitting Agent	Permitco Inc.

1. **EXISTING ROADS**

- a. The proposed well site is located approximately 26.6 miles southeast of Myton, Utah.



- b. Directions to the location from Myton, Utah are as follows:

Proceed southwesterly on Highway 40 for 1.7 miles. Turn left and proceed southeasterly for approximately 11 miles to the Castle Peak Mine. Turn left and proceed easterly along the Eightmile Flat road for 5.4 miles. Turn right and proceed south for 2.5 miles to another fork in the road. Stay left and continue southeasterly for 3.1 miles. Continue east for 2.3 miles to the beginning of the new access road. Continue south & east for 0.6 miles until reaching the proposed location.

- c. For location of access roads within a 2-Mile radius, see Maps A & B.
- d. Improvement to existing main roads will not be required.
- e. All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.
- f. Existing roads and newly constructed roads on surface under the jurisdiction of any Surface Managing Agency shall be maintained in accordance with the standards of the SMA.

2. PLANNED ACCESS ROADS

- a. The majority of the road is an existing upgraded oilfield road.
- b. The maximum grade of the new construction will be approximately 3%.
- c. No turnouts are planned.
- d. Low water crossings will be installed where necessary at the time of construction. No culverts will be necessary.
- e. The last 0.6 miles of new access road was centerline flagged at the time of staking.
- f. The use of surfacing material is not anticipated, however it may be necessary depending on weather conditions.



- g. No cattle guards will be necessary.
- h. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
- i. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development, (1989).
- j. The road will be constructed/upgraded to meet the standards of the anticipated traffic flow and all weather road requirements. Construction/upgrading shall include ditching, draining, graveling, crowing and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.
- k. 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 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 of this well.

3. **LOCATION OF EXISTING WELLS WITHIN A 1-MILE RADIUS OF THE PROPOSED LOCATION.**
(See Map "C")

- a. Water wells - none
- b. Injection wells - none
- c. Producing wells - one



- d. Drilling wells - none
- e. Shut-in wells - two
- f. Temporarily abandoned wells - none
- g. Disposal wells -none
- h. Abandoned wells - none
- i. Dry Holes - none

4. **LOCATION OF TANK BATTERIES AND PRODUCTION FACILITIES.**

- a. All permanent structures (onsite for six months or longer) constructed or installed (including oil well pump jacks) will be painted Carlsbad Canyon. All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.
- b. If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall surrounded by a containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.
- c. If production is established, a Production Facility layout will be submitted via sundry notice.
- d. All loading lines will be placed inside the berm surrounding the tank battery.
- e. 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.
- f. 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



Gasco Production Company

Federal #12-6-10-19

Lease No. UTU-76490

2003' FNL and 1179' FWL

SW NW Section 6, T10S - R19E

SURFACE USE PLAN

Uintah County, Utah

Page 5

be conducted monthly for the first three months on new meter installations and 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 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.

- g. If at any time the facilities located on public land and authorized by the terms of the lease are no longer included in the lease (due to a contraction in the unit or other lease or unit boundary change), BLM will process a change in authorization to the appropriate statute. The authorization will be subject to appropriate rental or other financial obligation as determined by the authorized officer.
- h. Any necessary pits will be properly fenced to prevent any wildlife entry.
- i. All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.
- j. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.
- k. All access roads will be maintained as necessary to prevent erosion and accommodate year-round traffic.
- l. The road will be maintained in a safe useable condition.
- m. Produced water will be stored in a 300 bbl heated, insulated tank, then hauled to a commercial disposal site such as Disposal Inc., or Brennan Bottom.
- n. Pipelines will follow the route shown on Map D. See Pipeline detail attached.

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

- a. The proposed water source will be the Nebecker Water Service at the Nebecker Water Station in Myton, permit #43-1723.



- b. Water will be hauled by Nebecker Water Service to the location over the access roads shown on Maps A and B.
- c. No water well will be drilled on this lease.

6. SOURCE OF CONSTRUCTION MATERIAL

- a. Surface and subsoil materials in the immediate area will be utilized.
- b. Any gravel used will be obtained from a commercial source.
- c. The use of materials under BLM jurisdiction will conform with 43 CFR 3610.2.3. Construction material will not be located on lease.
- d. No construction materials will be removed from Federal land.

7. METHODS OF HANDLING WASTE DISPOSAL

- a. The reserve pit will be constructed so as not to leak, break, or allow discharge.
- b. At the request of the BLM, the reserve pit will be lined with a 12 mil liner. If fractured rock is encountered, the pit will be first lined with sufficient bedding (either straw or dirt) to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. More stringent protective requirements may be deemed necessary by the A.O.
- c. Burning will not be allowed. All trash will be contained in a trash cage and its contents removed at the end of drilling operations and hauled to an approved disposal sight.
- d. After first production, produced waste water will be confined to a unlined pit or storage tank for a period not to exceed ninety (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, along with the required water analysis, will be submitted for the AO's



approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

- e. Drill cuttings are to be contained and buried in the reserve pit.
- f. Any salts and/or chemicals which are an integral part of the drilling system will be disposed of in the same manner as the drilling fluid.
- g. A chemical porta-toilet will be furnished with the drilling rig.
- h. The produced fluids will be produced into a test tank until such time as construction of production facilities is completed. Any spills of oil, gas salt water or other produced fluids will be cleaned up and removed.

8. ANCILLARY FACILITIES

There are no airstrips, camps, or other facilities planned during the drilling of the proposed well.

9. WELL SITE LAYOUT

- a. The operator or his/her contractor shall contact the BLM Office at 435/781-4400 forty-eight (48) hours prior to construction activities.
- b. The reserve pit will be located on the southeast side of the location.
- c. The flare pit will be located on the west side of the reserve pit, a minimum of 100 feet from the well head and 20 feet from the reserve pit fence.
- d. The stockpiled topsoil (first six inches) will be stored on the southwest side of the location, between Corners 6 & 7. Topsoil along the access route will be wind rowed on the uphill side.
- e. Access to the well pad will be from the northeast as shown on the Pit & Pad Layout.
- f. See Location Layout for orientation of rig, cross section of drill pad and cuts and fills.



- g. The location of mud tanks; reserve pit, trash cage; pipe racks; living facilities and soil stockpiles will be shown on the Location Layout.
- h. All pits will be fenced according to the following minimum standards:
 - 1. 39 inch net wire shall be used with at least one strand or barbed wire on top of the net wire (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
 - 2. The net wire shall be no more than 2-inches above the ground. The barbed wire shall be 3-inches above the net wire. Total height of the fence shall be at least 42-inches.
 - 3. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
 - 4. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16 feet.
 - 5. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.
- i. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until cleanup.

10. PLANS FOR RESTORATION OF SURFACE

Producing Location

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash and junk not required for production.
- b. Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with 43 CFR 3162.7-1.
- c. If a plastic nylon reinforced liner is used it shall be torn and perforated before backfilling of the reserve pit.



- d. The reserve pit and that portion of the location not needed for production facilities or operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc., will be removed.
- e. Reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. A seed mixture will be specified by the Bureau of Land Management in their Conditions of Approval for the subject well.
- Seeding will be performed immediately after the location has been reclaimed and the pit has been backfilled, regardless of the time of year. Seed will be broadcast and walked in with a dozer.
- f. The topsoil stockpile will be seeded as soon as the location has been constructed with the same recommended seed mix. The seed will be walked in with a cat.
- g. The following seed mixture has been recommended by the BLM.

<i>Species</i>	<i>#/s per Acre</i>
Shadscale	4
Gardner Saltbush	4
Galleta Grass	4
Indian Ricegrass	2
TOTAL	14

Dry Hole

- h. At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and BLM will attach the appropriate surface rehabilitation conditions of approval.



11. **SURFACE OWNERSHIP**

Access Roads - The majority of the access roads are maintained by the County Road Department or the Bureau of Land Management.

Well pad - The well pad is located on lands managed by the BLM.

12. **OTHER INFORMATION**

- a. A Class III archeological survey has been conducted by Grand River Institute. A copy of this report is attached.
- b. A Paleontological Resource Inventory Report has been required by the Bureau of Land Management. A copy of this report, prepared by Alden Hamblin, is attached.
- c. The operator is responsible for informing all persons in the areas who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator is to immediately stop work that might further disturb such materials, and contact the authorized officer (AO). Within five working days the AO will inform the operator as to:

-whether the materials appear eligible for the National 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 AO to complete and expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate. If the operator wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.



- d. The operator will control noxious weeds along rights-of-way 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 shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- e. Drilling rigs and/or equipment used during drilling operations on this wellsite will not be stacked or stored on Federal Lands after the conclusion of drilling operations or at any other time without BLM authorization. However, if BLM authorization is obtained, it is only a temporary measure.
- f. 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 to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.
- g. A complete copy of the approved APD shall be on location during construction of the location and drilling activities.
- h. There will be no deviation from the proposed drilling and/or work over program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended or abandoned will be identified in accordance with 43 CFR 3162.
- i. "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.
- j. This permit will be valid for a period of one year from the date of approval. An extension period may be granted, if requested, prior to the expiration of the original approval period. After permit termination, a new application will be filed for approval for any future operations.
- k. The operator or his contractor shall contact the BLM Offices at 435/781-4400 48 hours prior to construction activities.
- l. The BLM Office shall be notified upon site completion prior to moving on the drilling rig.



ONSHORE ORDER NO. 1
Gasco Production Company
Federal #12-6-10-19
2003' FNL and 1179' FWL
SW NW Section 6, T10S - R19E
Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-76490

SURFACE USE PLAN

Page 12

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

Permit Matters

PERMITCO INC.
14421 County Road 10
Ft. Lupton, CO 80621
303/857-9999 (O)
303/857-0577 (F)
Lisa Smith

Drilling & Completion Matters

GASCO Production Company
14 Inverness Drive East, Suite H-236
Englewood, CO 80112
John Longwell
303/483-0044 (O)
303/ 483-0011(F)
Shawn Elsworthy
435/823-4272

CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently 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 Gasco Production Company and its contractors and subcontractors in conformity with the plan and the terms and conditions under which it is approved.

This statement is subject to the provisions of 18.U.S.C. 1001 for the filing of a false statement.

March 25, 2005
Date:

Venessa Langmacher
Venessa Langmacher - PERMITCO INC.
Authorized Agent for:
Gasco Production Company



PIPELINE INFORMATION
Federal #12-6-10-19

1. The type of pipeline is a gathering system.
2. The outside diameter (O.D.) of all will be 6 inches.
3. The anticipated production through the line is approximately 2000 MCF per day.
4. The anticipated maximum test pressure is 1000 psi.
5. The anticipated operating pressure is 150 - 750 psi.
6. The type of pipe is steel.
7. The method of coupling is welded.
8. There are no other pipelines to be associated in same right of way.
9. There are no other objects to be associated in the same right of way.
10. The total length of pipeline is approximately 3200 feet - see Map D.
11. The line will be laid on the surface, adjacent to the road as shown on Map D.
12. The pipeline will be buried under the existing access road, prior to reaching the tie-in point. Backfilling will only be necessary where the pipeline crosses under the road.
13. The construction width needed for total surface disturbing activities is 30 feet.
14. The estimated total acreage involving all surface disturbing activities is 2.2 acres.
15. Any surface disturbance created as a result of the pipeline construction will be reclaimed utilizing the reclamation procedures and seed mixture specified by the Bureau of Land Management.

GASCO PRODUCTION COMPANY

FEDERAL #12-6-10-19

LOCATED IN UINTAH COUNTY, UTAH
SECTION 6, T10S, R19E, S.L.B.&M.

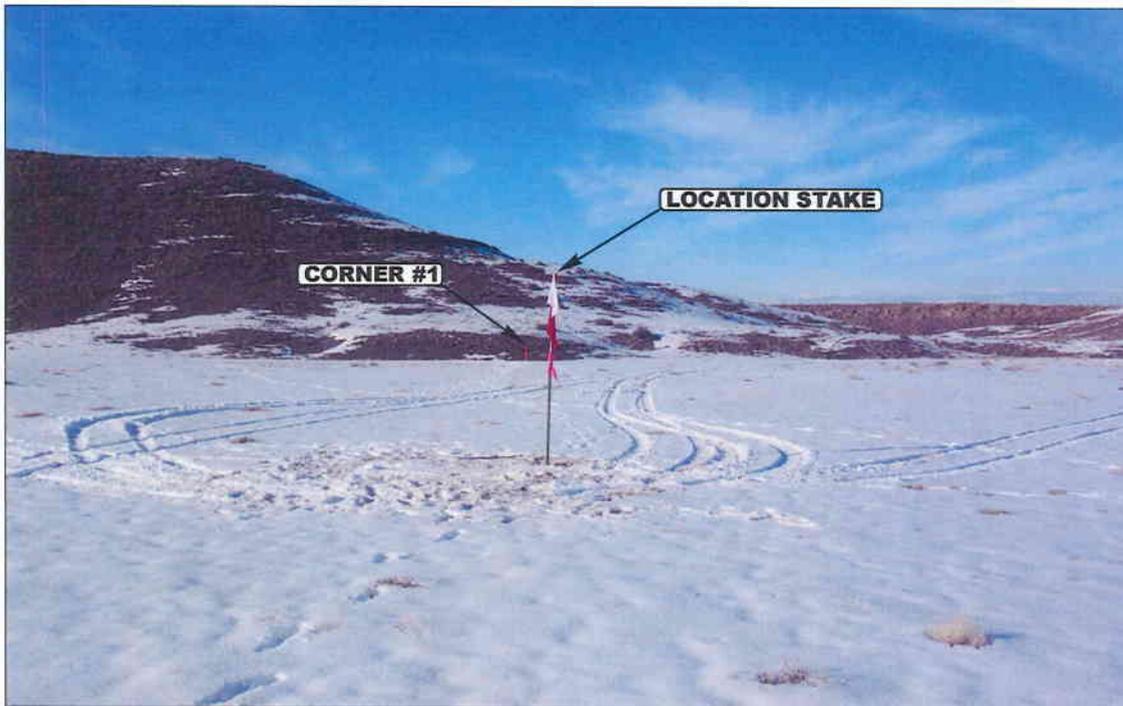


PHOTO: VIEW FROM LOCATION STAKE TO CORNER #1

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



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

LOCATION PHOTOS

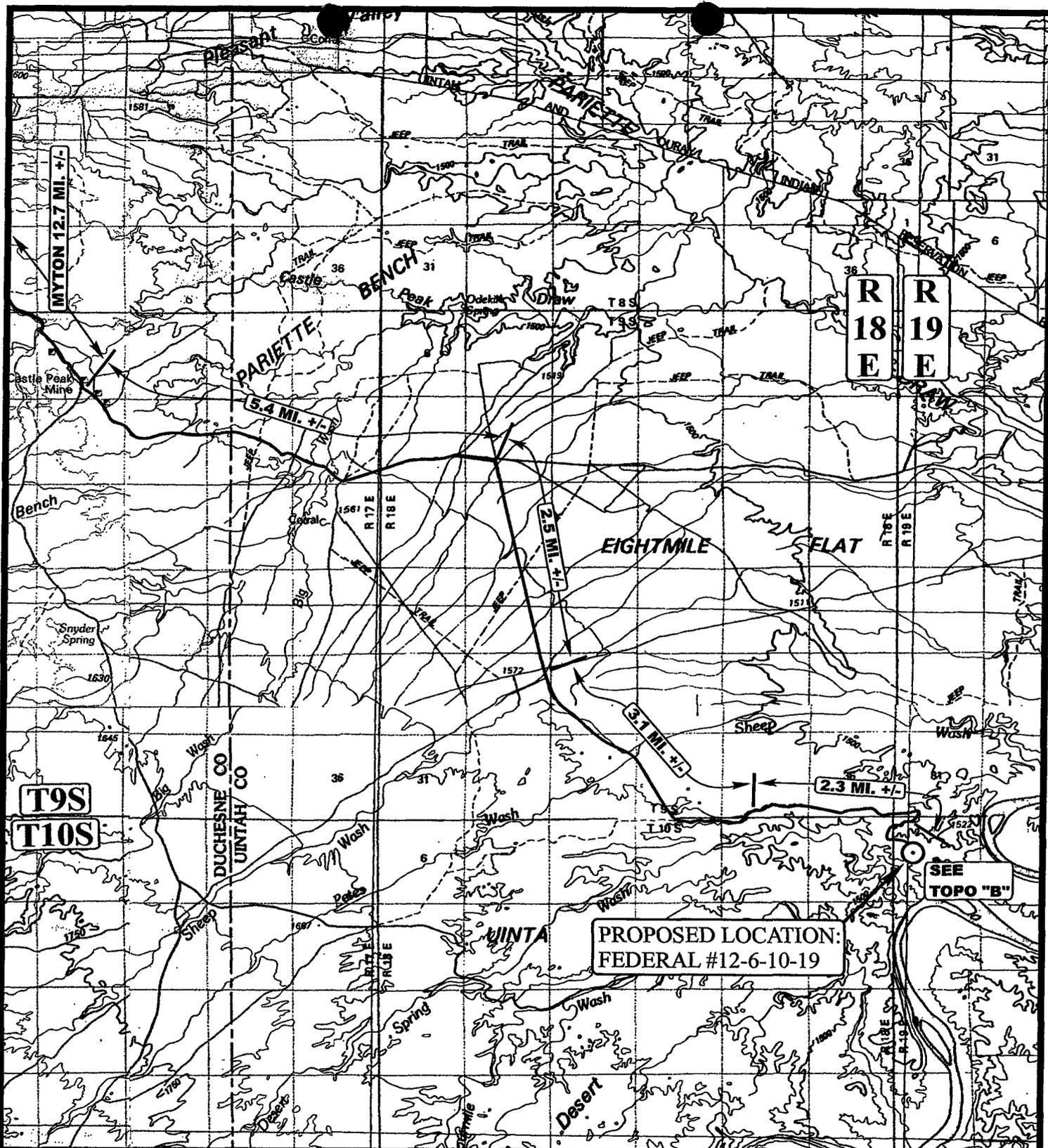
1 18 05
MONTH DAY YEAR

PHOTO

TAKEN BY: J.F.

DRAWN BY: J.L.G.

REVISED: 00-00-00



LEGEND:

○ PROPOSED LOCATION



GASCO PRODUCTION COMPANY

FEDERAL #12-6-10-19
 SECTION 6, T10S, R19E, S.L.B.&M.
 2003' FNL 1179' FWL



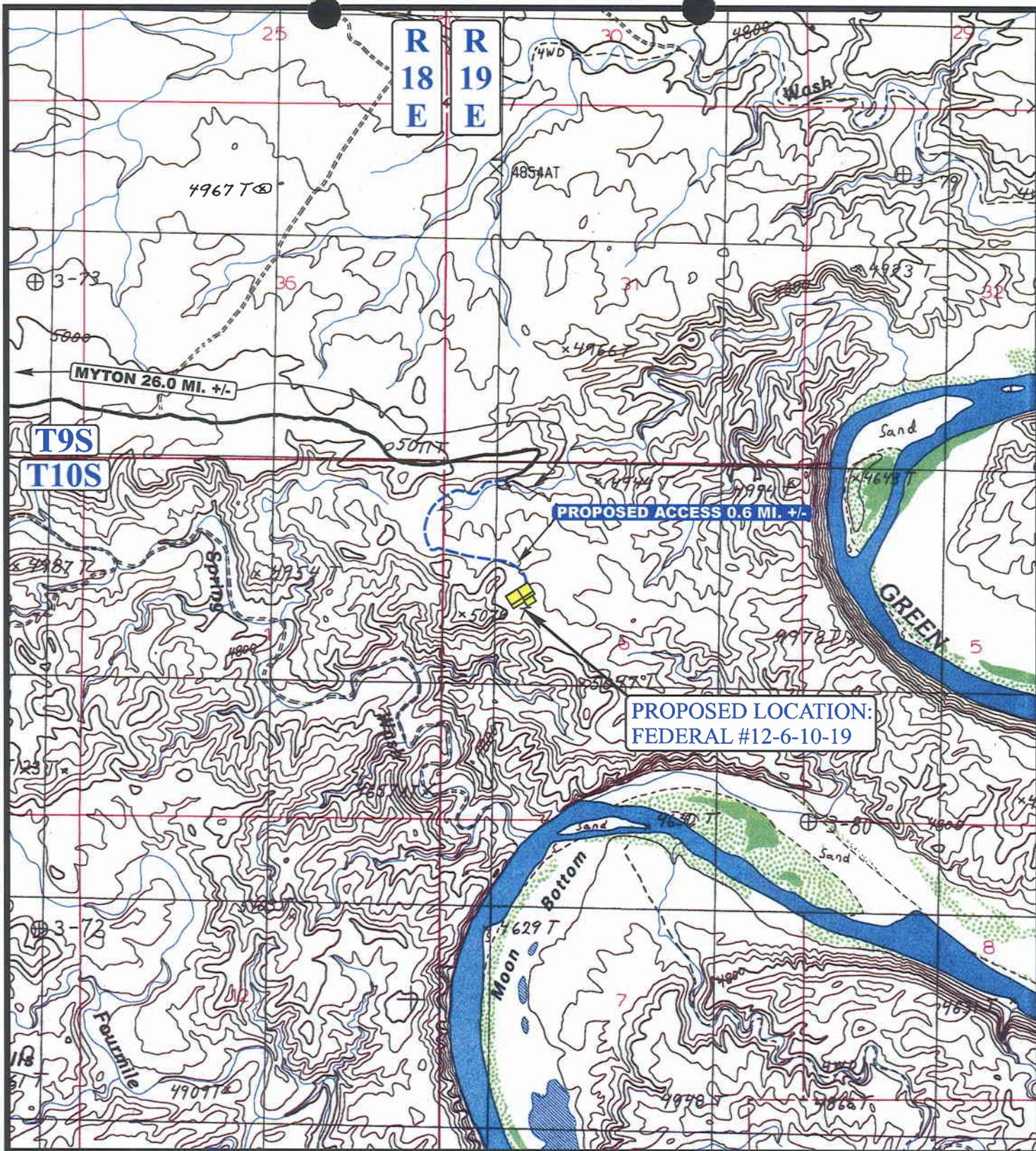
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
 MAP

1	18	05
MONTH	DAY	YEAR

SCALE: 1:100,000 DRAWN BY: J.L.G. REVISED: 00-00-00





LEGEND:

- - - - - PROPOSED ACCESS ROAD
- EXISTING ROAD

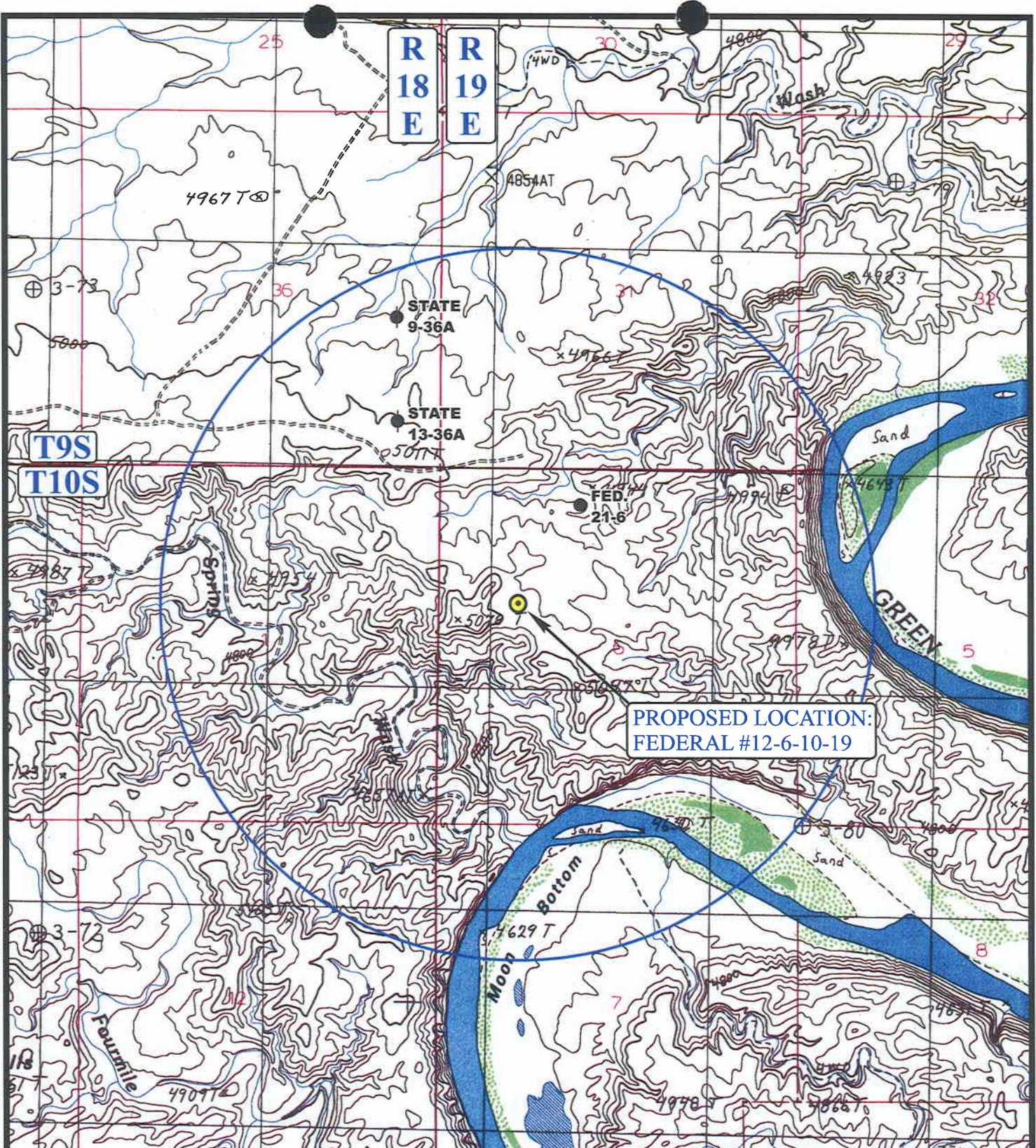


GASCO PRODUCTION COMPANY

FEDERAL #12-6-10-19
SECTION 6, T10S, R19E, S.L.B.&M.
2003' FNL 1179' FWL

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

TOPOGRAPHIC MAP	1 18 05 MONTH DAY YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: J.L.G.	REVISED: 00-00-00



**PROPOSED LOCATION:
FEDERAL #12-6-10-19**

LEGEND:

- | | |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS | ⊗ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ⊖ SHUT IN WELLS | ● TEMPORARILY ABANDONED |

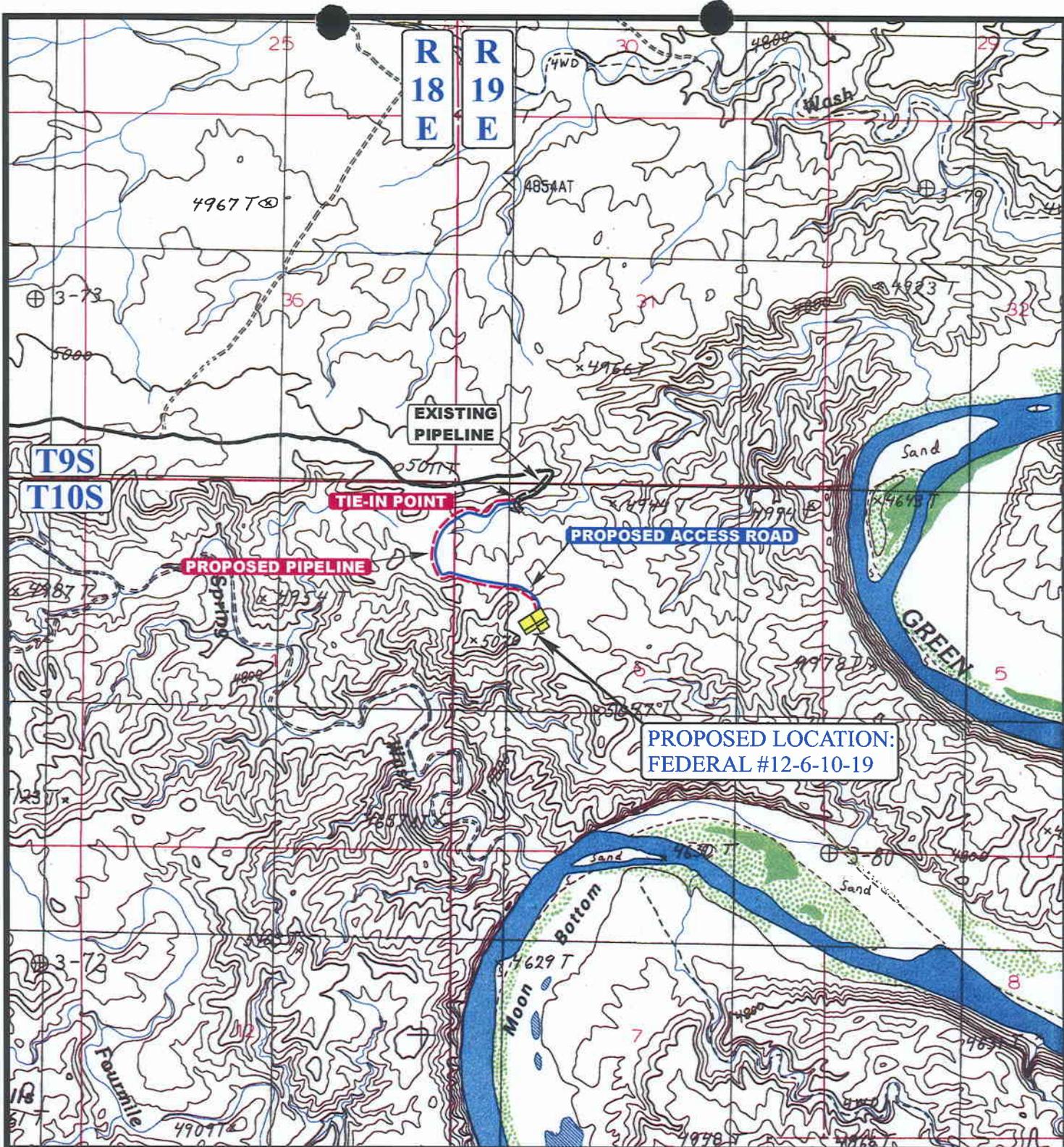


GASCO PRODUCTION COMPANY

**FEDERAL #12-6-10-19
SECTION 6, T10S, R19E, S.L.B.&M.
2003' FNL 1179' FWL**

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

TOPOGRAPHIC MAP **1 1805**
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00 **C TOPO**



APPROXIMATE TOTAL PIPELINE DISTANCE = 3200' +/-

LEGEND:

-  EXISTING PIPELINE
-  PROPOSED PIPELINE
-  PROPOSED ACCESS



GASCO PRODUCTION COMPANY

FEDERAL #12-6-10-19
SECTION 6, T10S, R19E, S.L.B.&M.
2003' FNL 1179' FWL



Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
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TOPOGRAPHIC
MAP

1 1805
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00

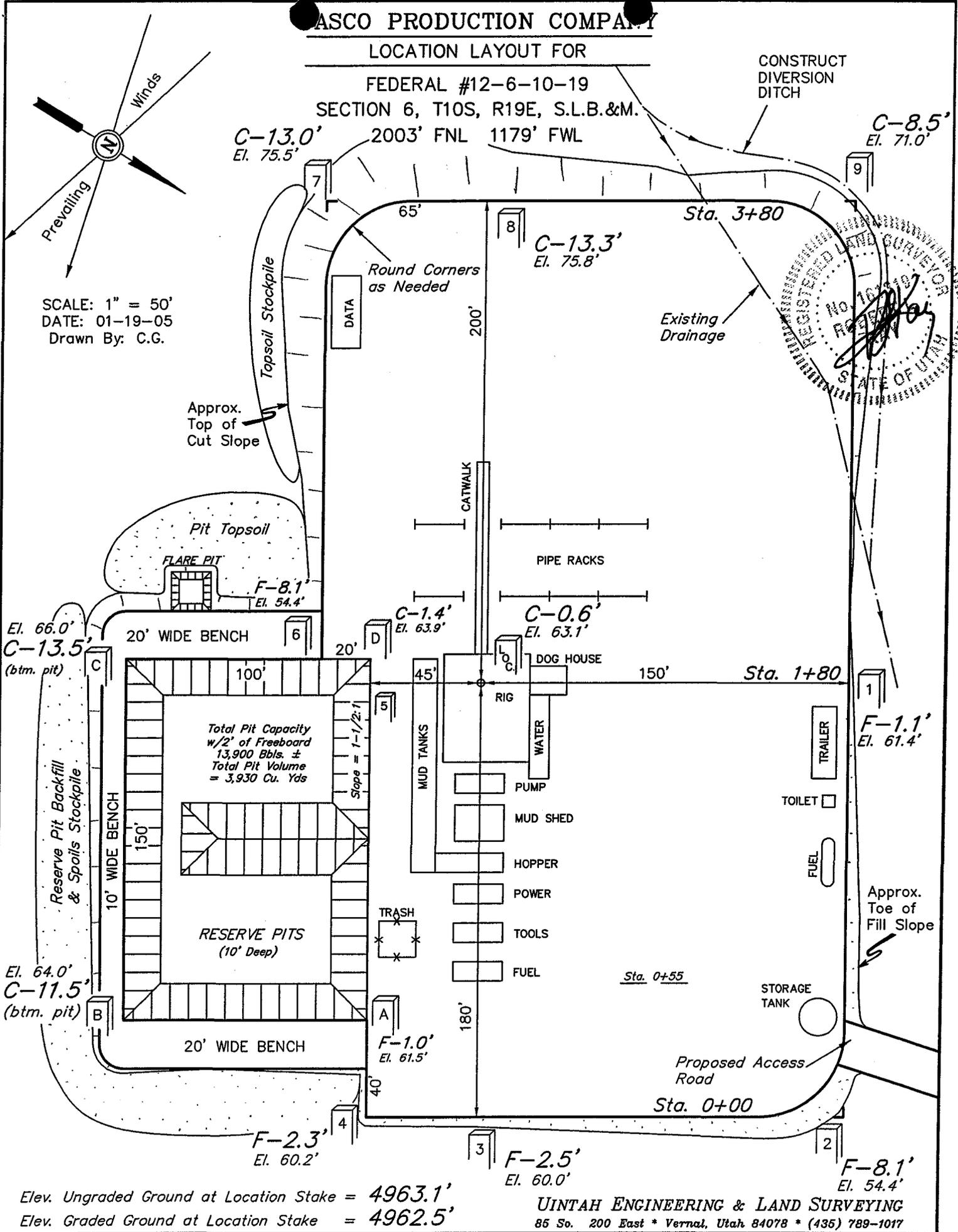
D
 TOPO

ASCO PRODUCTION COMPANY

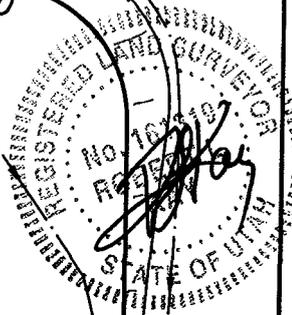
LOCATION LAYOUT FOR

FEDERAL #12-6-10-19
SECTION 6, T10S, R19E, S.L.B.&M.
2003' FNL 1179' FWL

CONSTRUCT
DIVERSION
DITCH



SCALE: 1" = 50'
DATE: 01-19-05
Drawn By: C.G.



El. 66.0'
C-13.5'
(btm. pit)

El. 64.0'
C-11.5'
(btm. pit)

Total Pit Capacity
w/2' of Freeboard
13,900 Bbls. ±
Total Pit Volume
= 3,930 Cu. Yds

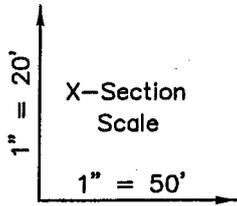
Elev. Ungraded Ground at Location Stake = 4963.1'
Elev. Graded Ground at Location Stake = 4962.5'

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

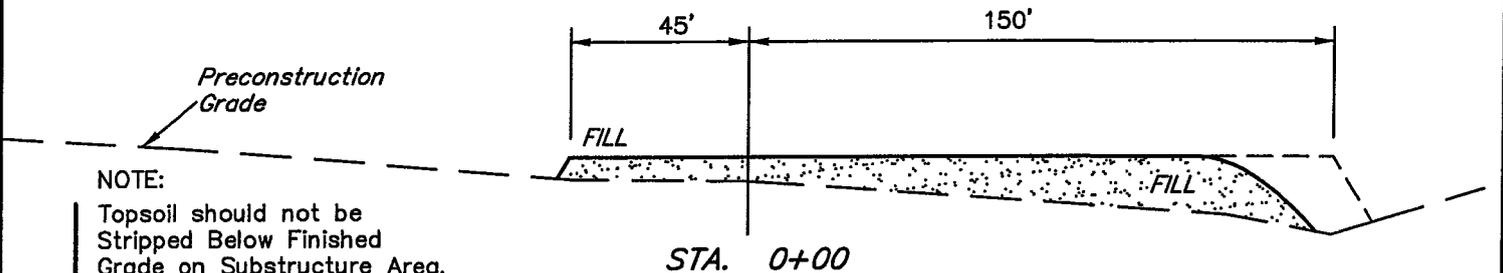
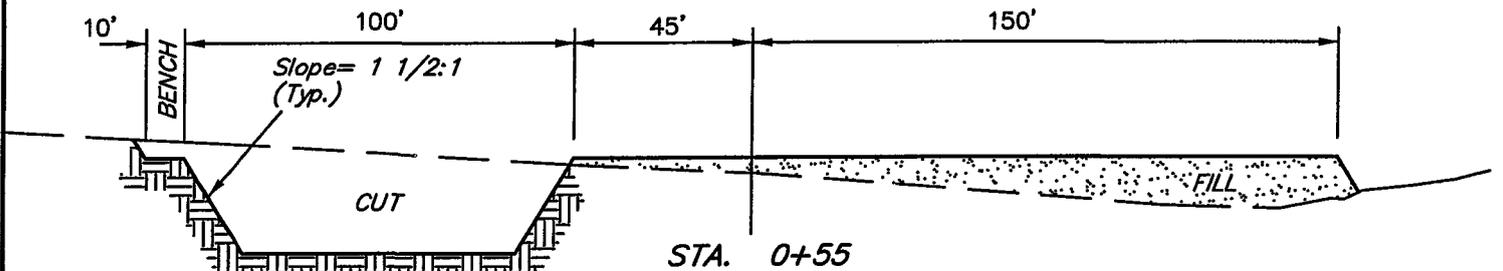
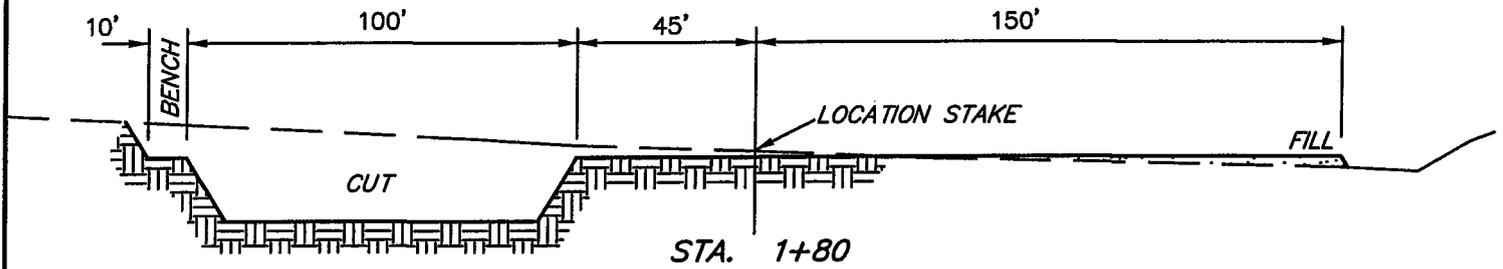
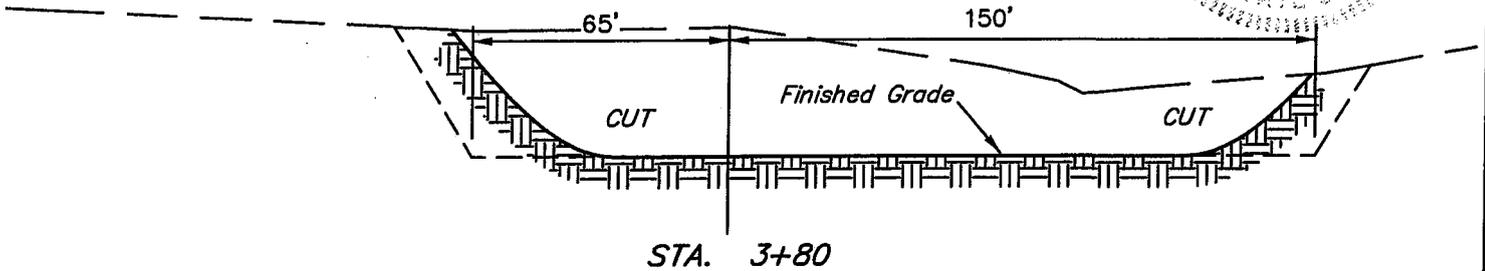
WASCO PRODUCTION COMPANY

TYPICAL CROSS SECTIONS FOR

FEDERAL #12-6-10-19
SECTION 6, T10S, R19E, S.L.B.&M.
2003' FNL 1179' FWL



DATE: 01-19-05
Drawn By: C.G.



NOTE:
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 2,070 Cu. Yds.
Remaining Location	= 13,080Cu. Yds.
TOTAL CUT	= 15,150 CU.YDS.
FILL	= 4,260 CU.YDS.

EXCESS MATERIAL	= 10,890Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,040 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 6,850 Cu. Yds.

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

FEDERAL STIPULATIONS AND TIMING RESTRICTIONS

Any wildlife stipulations that pertain to this lease will be attached as a
Conditional of Approval by the Bureau of Land Management.



✦ Grand River Institute ✦

P.O. Box 3543 ✦ Grand Junction, CO 81502 ✦ 970/245-7868 FAX 970/245-6317

March 2, 2005

Gasco, Inc.
14 Inverness Drive East
Suite H-236
Englewood, CO 80112

Attn: Mike Decker

Re: GRI Project No. 2501 – Class III cultural resources inventory of five proposed Desert Spring State well locations (#12-36-9-18, #21-36-9-18, #23-36-9-18, #34-36-9-18, and #43-36-9-18) and 1.1 miles of linear routes (roads and/or pipelines) in Uintah County, Utah [U05-GB-0013s]

GRI Project No. 2504 – Class III cultural resources inventory of five proposed Federal well locations (~~#12-31-9-19, #14-31-9-19, #21-31-9-19, #23-31-9-19, and #12-6-10-19~~) and 1.2 miles of linear routes (roads and/or pipelines) in Uintah County, Utah [U05-GB-0078b]

Dear Mike:

Enclosed are two copies of each of our final reports for the above cited projects. Copies have been distributed to the appropriate agencies for each report as indicated below. Also enclosed is our invoice. Please call me if you have any questions or comments.

Sincerely,



Carl E. Conner
Director

Enc.

Distribution:

- 2 [2501] – Kenny Wintch, State Trust Lands Administration
- 1 [2501] – Jim Dykmann, Utah Division of State History
- 2 [2504] – Blaine Phillips, BLM Vernal Field Office
- Electronic File Transfer [both] – Lisa Smith, Permitco

**Class III Cultural Resource Inventory Report
of
Five Proposed Federal Well Locations
and Related Linear Routes (1.2 miles)
in Uintah County, Utah
for
Gasco Production Company**

Declaration of Positive Findings

GRI Project No. 2504

1 March 2005

Prepared by

Grand River Institute
P.O. Box 3543
Grand Junction, Colorado 81502
BLM Antiquities Permit No.04UT54939
UDSH Project Authorization No. U05-GB-0078b

Carl E. Conner, Principal Investigator

Submitted to

The Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Abstract

Grand River Institute conducted a Class III cultural resources inventory for Gasco Production Company of five proposed Federal well locations (#12-31-9-19, #14-31-9-19, #21-31-9-19, #23-31-9-19, and #12-6-10-19) and 1.2 miles of linear routes (roads and/or pipelines) in Uintah County, Utah, under BLM Antiquities Permit No.04UT54939 and Utah Division of State History (UDSH) Project Authorization No. U05-GB-0078b. This work was done to meet requirements of Federal and State laws that protect cultural resources.

Files searches conducted through the BLM and UDSH indicated no sites were previously recorded in the project areas. Field work was performed on the 25th of February 2005. Carl Conner served as Principal Investigator and Field Supervisor. He was assisted by Barbara Davenport. A total of about 79.5 acres was inspected. As a result, three prehistoric isolated finds were recorded. All of which were field evaluated as non-significant. Accordingly, since no significant historical properties were recorded, archaeological clearance is recommended for the proposed wells and linear routes.

Table of Contents

Introduction	1
Location of Project Area	1
Environment	3
Files Search	3
Study Objectives	4
Field Methods	4
Study Findings	5
Discussion	6
Summary of Site Evaluations and Management Recommendations	6
References	7
Appendix A: Resources Location Data and Isolated Find Forms	A.1

List of Tables and Figures

Table 1. List of well locations and linear routes	1
Table A-1. Location data for cultural resources	A.2
Figure 1. Project location map	2
Figure A-1. Location map for cultural resources	A.3

Introduction

At the request of Gasco Production Company (Gasco) and the Bureau of Land Management Vernal Field Office (BLM), Grand River Institute (GRI) conducted a Class III cultural resources inventory of five proposed Federal well locations (#12-31-9-19, #14-31-9-19, #21-31-9-19, #23-31-9-19, and #12-6-10-19) and 1.2 miles of linear routes (roads and/or pipelines) in Uintah County, Utah, under BLM Antiquities Permit No.04UT54939 and Utah Division of State History (UDSH) Project Authorization No. U05-GB-0078b. Files searches conducted through the UDSH and the BLM indicated no sites were previously recorded in the project areas. Field work was performed on the 25th of February 2005. Carl Conner served as Principal Investigator and Field Supervisor. He was assisted by Barbara Davenport. A total of about 79.5 acres was inspected.

The survey was done to meet requirements of the Federal Land Policy and Management Act of 1976, the National Historic Preservation Act as amended in 1992, and the National Environmental Policy Act (NEPA) of 1969. These laws are concerned with the identification, evaluation, and protection of fragile, non-renewable evidences of human activity, occupation and endeavor reflected in districts, sites, structures, artifacts, objects, ruins, works of art, architecture, and natural features that were of importance in human events. Such resources tend to be localized and highly sensitive to disturbance.

Location of Project Area

The study area's discrete units lie southwest of Vernal, Utah, in Uintah County. The 10-acre blocks surveyed for the proposed new well locations; and the study corridors for the proposed new roads and/or pipeline routes are found in T. 9 S., R. 19 E., Section 31; T. 10 S., R. 19 E., Section 6; and, T. 10 S., R. 18 E., Section 1; SLBM. These are shown in Figure 1. Table 1 lists the wells and provides the linear distances of the inventoried access and pipeline routes (outside the 10-acre block inventory areas).

Table 1. List of well locations and linear routes.

Well Designation	Linear routes	Land Status	Location
Fed. #12-31-9-19	New route, 1495 feet	BLM	T 9 S, R 19 E, Sec. 31 NW¼
Fed. #14-31-9-19	Existing	BLM	T 9 S, R 19 E, Sec. 31 SW¼
Fed. #21-31-9-19	New route, 1125 feet	BLM	T 9 S, R 19 E, Sec. 31 NW¼
Fed. #23-31-9-19	New route, 512 feet	BLM	T 9 S, R 19 E, Sec. 31 SW¼
Fed. #12-6-10-19	New route, 3300 feet	BLM	T10 S, R 19 E, Sec. 6 NW¼ T10 S, R 18 E, Sec. 1 NE¼

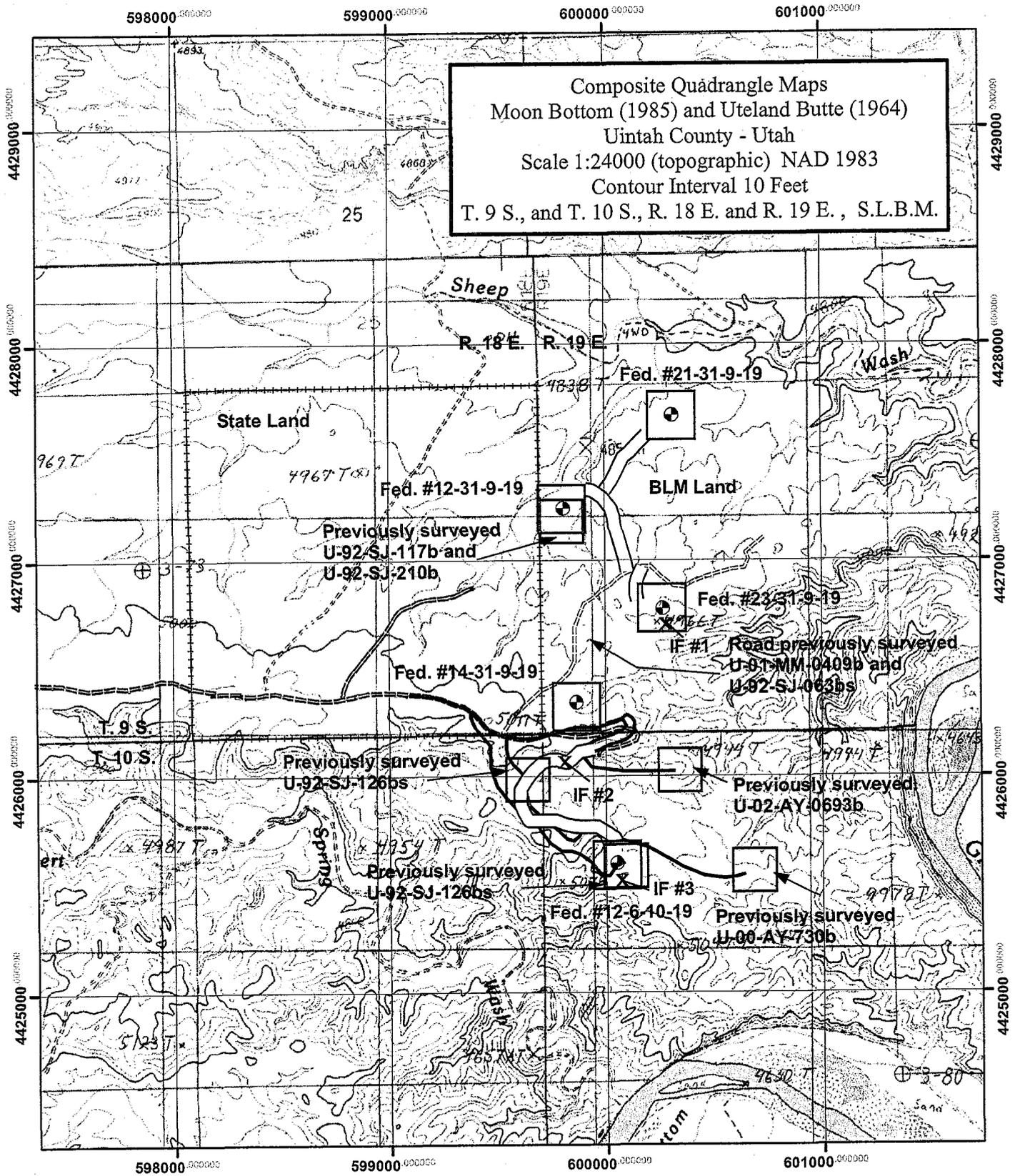


Figure A-1. Cultural resources location map for the Class III cultural resources inventory of five Federal well locations and related new access/pipeline routes in Uintah County, Utah for Gasco Production Company. Cultural resources are indicated. [GRI Project No. #2504, 3/01/2005]

Environment

The project areas are within the major geologic subdivision of the Colorado Plateau known as the Uinta Basin Section. In Utah, this section extends from the Uinta Mountains on the north to the Book Cliffs on the south. It is a broad downwarp into which Quaternary- and Tertiary-age deposits were made from the surrounding mountains which include Holocene and Pleistocene pediment deposits, and Eocene-age fluvial and lacustrine sedimentary rocks (Rigby 1976:xi). Physiographically, the basin includes the Uinta basin in the north portion and the Book Cliffs/Roan Plateau in the south portion. The lower Uinta Formation is the bedrock of the study area. Holocene and Pleistocene-age alluvium and colluvium occur as a veneer over the Uinta. It consists of channel and flood-plain stream deposits. Soils encountered were rocky, shaley, silty, and sandy loams, which are in general formed in residuum from the underlying formation. However, dunes are common in this region as well.

Elevations in the project area average 4980 feet. The terrain is characterized as bench land that is cut by dendritic washes. Vegetation is a shadscale desert community throughout most of the area. Regional faunal inhabitants include deer, antelope, elk, black bear, coyote, mountain lion, cottontails, jack rabbits, and various raptors. A cool, mid-latitude steppe climate prevails. Annual precipitation of this elevation range is between 7 and 10 inches. Temperatures range from 100°F in the summer to -40°F in January. Paleoenvironmental data are scant, but it is generally agreed that gross climatic conditions have remained fairly constant over the last 12,000 years. However, changes in effective moisture, and cooling-warming trends probably affected the prehistoric occupation of the region.

Files Search

A files search was conducted through the BLM and UDSH. Previous projects in the areas near the inventory blocks and linear routes are numerous and generally relate to oil and gas development. Those that are adjacent to or within the project areas are discussed below.

Previous projects found in proximity to these five wells and that have related access and/or pipeline routes include: the main NE-SW trending road/pipeline route surveyed under projects U-92-SJ-0063bs and U-01-MM-0409b. Portions of the road to and the 10-acre plot for the Fed. #12-6 was previously surveyed under U-92-SJ-0126bs and U-00-AY-0730b. Similarly, the south portion of the 10-acre plot for the Fed. #12-31 was also previously inventoried. Figure 1 details the locations of the earlier inventories. No cultural resources were previously recorded within any of the study areas; however, a prehistoric open camp (42UN1566) was recorded just outside the area of the Fed. #14-31.

Regional archaeological studies suggest nearly continuous human occupation of northeastern Utah for the past 12,000 years. Evidence of the Paleoindian Tradition, the

Archaic Tradition, Fremont Culture, and Protohistoric/Historic Utes has been found. Historic records suggest occupation or use by EuroAmerican trappers, settlers, miners, and ranchers as well. Overviews of the prehistory and history of the region are provided in the Utah BLM Cultural Resource Series No. 11, Archaeological Inventory in the Seep Ridge Cultural Study Tract, Uintah County, Northeastern Utah with a Regional Predictive Model for Site Locations (Larralde and Chandler 1980), and in "Cultural Resources Existing Data Inventory, Vernal District, Utah" (Jones and Mackay 1980).

Study Objectives

The purpose of the study was to identify and record all cultural resources within the areas of potential impact and to assess their significance and eligibility to the National Register of Historic Places (NRHP). The statements of significance included in this report are field assessments made in support of recommendations to the State Historic Preservation Officer (SHPO). Paleontological resources were also considered in the inspection. However, a final evaluation of those resources must be provided by a paleontologist permitted by Utah.

Field Methods

A Class III, 100% pedestrian, cultural resources survey of the proposed well locations was made by walking a series of concentric circles around the flagged centers to diameters of 750 feet. The related access and pipeline routes not included within the 10-acre study plots were surveyed by walking four parallel transects spaced at 15m intervals and centered on the flagged lines to cover corridors 200 feet wide. There were no limitations to the inventory, and snow cover was less than ten percent throughout the entire study area.

Cultural resources were sought as surface exposures and were characterized as sites or isolated finds. Sites were defined by the presence of six or more artifacts and/or significant feature(s) indicative of patterned human activity. Isolated finds were defined by the presence of 1 to 5 artifacts apparently of surficial nature. Cultural resources encountered were to be recorded to standards set by the BLM and UDSH.

The basic approach to the data collection was the continuous mapping of observed artifacts and features by recording UTM coordinates (NAD 83 Datum) using a Trimble Geo XT. Site maps were created using corrected data and ARCMAP. Photographs were to be taken at each site and to include general views and specific artifacts or features. Field notes and photo negatives are filed at Grand River Institute, while the photographs are submitted to the BLM. No artifacts were collected.

Study Findings

Few cultural resources have been found in the general area. However, based on the previous finds and the proximity of the Green River, additional cultural resources were expected. As a result, three isolated finds were recorded. This section provides a description of those finds and a brief summary of the guidelines for significance evaluations. Location data and IF forms are provided in Appendix A.

Site Significance

The National Historic Preservation Act of 1966 (NHPA) directs federal agencies to ensure that federally-initiated or authorized actions do not inadvertently disturb or destroy significant cultural resource values. Significance is a quality of cultural resource properties that qualifies them for inclusion in the NRHP. The statements of significance included in this report are field assessments to support recommendations to the BLM and State Historic Preservation Officer (SHPO). The final determination of site significance is made by the controlling agencies in consultation with the SHPO and the Keeper of the Register.

The Code of Federal Regulations was used as a guide for the in-field site evaluations. Titles 36 CFR 50, 36 CFR 800, and 36 CFR 64 are concerned with the concepts of significance and (possible) historic value of cultural resources. Titles 36 CFR 65 and 36 CFR 66 provide standards for the conduct of significant and scientific data recovery activities. Finally, Title 36 CFR 60.4 establishes the measure of significance that is critical to the determination of a site's NRHP eligibility, which is used to assess a site's research potential:

The quality of significance in American history, architecture, archaeology, and culture is present in districts, sites, buildings, structures, and objects of State and local importance that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and a) that are associated with events that have made a significant contribution to the broad patterns of history; or b) that are associated with the lives of persons significant in our past; or c) that embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or d) that have yielded, or may be likely to yield, information important in the prehistory or history.

Isolate Descriptions

Isolate #1 consists of a mano and a hammerstone.

Isolate #2 consists of a core and 3 large flakes (1 utilized) of shale.

Isolate #3 consists of 4 large, utilized, flakes of Parachute Creek chert (patinated).

Discussion

As expected cultural resources were recorded as part of this project. A total of 79.5 acres was surveyed for cultural resources. As a result, three isolated finds were recorded. If this were a block inventory it should lead one to believe that there would be a projected average of about 24 resources per section, however, based on these and previous studies in the area, these resources are unevenly distributed and vary by positioning within the topographic setting.

Models used to predict the locations of prehistoric sites in the region have suggested the importance of numerous geographic and environmental variables. In general, they have pointed to strong correlations between site locations and/or site types and vegetational communities, elevation, distance to water, and topographic setting. Some of the related environmental factors found to be important during the statistical analysis of settlement patterns included 1) vertical distance between the site and the primary water source is a greater controlling factor than the horizontal distance, 2) sites tend to be near or on points of vantage, 3) sites tend to be located in forested areas, preferably with a southern exposure and, 4) sites tend to occur on flat ground (less than 40% grade) in areas of relatively low surface relief (Burgess et al. 1980:108-120, 138-139).

In the general region, camps tend to cluster near permanent water sources, within the small canyon bottoms, in sandy soils, and generally on the north side (or at least open to the winter sun). The access to the wetlands of the river bottom would have allowed the exploitation of the various seed and berry producing plants, as well as sedges--a resource that is high in protein--and to the year-round habitat of the waterfowl, fish, reptile, and amphibian inhabitants. The presence of Indian ricegrass and other seed producing plants of the surrounding benchlands is also a likely resource for the prehistoric inhabitants. For horticulturalists, the small benches of the canyon bottom would provide ground for small fields, an excellent place for growing maize.

The presence of the groundstone as one of the isolates (#1) suggests the prehistoric inhabitants were involved in the acquisition and processing of floral resources. That they were hunting and processing game is evident in the butchering tools found as isolates #2 and #3. The flakes in IF #3 are of Parachute Creek chert, which have a varnish patina. Such patination is an indication of the relative age of the artifacts, as indicated from the study of the Pariette Overlook Site by Hauck and Weder (1989:39-42), and suggest that these flakes may be of Archaic Era or Paleoindian Era age.

Summary of Site Evaluations and Management Recommendations

The eligibility determination and consultation process is guided by Section 106 of the NHPA (36 CFR 60, 63, and 800). Inventory to identify, evaluate, and mitigate potential effects to cultural resources affected by an undertaking is the first step in the Section 106

process. BLM actions cannot be authorized until the Section 106 process is completed (36 CFR 800.3). In brief, the inventory recorded three isolated finds. None were considered significant resources and were field evaluated as not eligible for nomination to the National Register of Historic Places. Accordingly, archaeological clearance is recommended for the proposed wells, new roads, and pipelines.

References

Burgess, Robert J., Kenneth L. Kvamme, Paul R. Nickens, Alan D. Reed and Gordon C. Tucker, Jr.

- 1980 Class II Cultural Resource Inventory of the Glenwood Springs Resource Area, Grand Junction District, Colorado. Nickens and Associates, Montrose. Ms on file, BLM District Office, Grand Junction.

Hauck, F. Richard and Dennis G. Weder

- 1989 Pariette Overlook – A Paleo-Indian Quarry Site in the Pariette Draw Locality of Uintah County, Utah. Ms on file, Bureau of Land Management Vernal Field Office.

Jones, Kevin T. and K.L. Mackay

- 1980 Cultural Resources Existing Data Inventory Vernal District, Utah. Report of Investigations 80-18, University of Utah, Salt Lake City.

Larralde, Signa L. and Susan M. Chandler

- 1980 Archaeological inventory in the Seep Ridge Cultural Study Tract, Uintah County, Utah. In: Utah BLM Cultural Resource Series No. 11. Bureau of Land Management, Salt Lake City.

Rigby, J. Keith

- 1976 Northern Colorado Plateau. Kendall/Hunt Publishing Company. Dubuque.

APPENDIX A: Resources Location Data and Isolated Find Forms

Table A-1. List of Isolated Find Locations.

Site #	Site Type	UTM Location - NAD 1983
IF #1	Lithic tools	Zone 12; 600282 mE; 4426670 mN
IF #2	Lithics (flakes, core)	Zone 12; 599809 mE; 4426067 mN
IF #3	Butchering tools	Zone 12; 600072 mE; 4425514 mN

GASCO ENERGY, INC.

FEDERAL #12-6-10-19

SECTION 6, T10S, R19E, S.L.B.&M.

PALEONTOLOGY REPORT

For

**PermitCo Inc.
14421 County Road 10
Fort Lupton, CO 80621**

By

**Alden H. Hamblin
A.H. Hamblin Paleontological Consulting
3793 N. Minersville Hwy
Cedar City, Utah 84720**

March 21, 2005

INTRODUCTION

Gasco Energy, Inc. proposed well Federal #12-6-10-19 is located 22 miles south of Ft. Duchesne, Utah in section 6, T10S, R19E, S.L.B.&M. The Bureau of Land Management (BLM) suggested that this well location be reviewed to see if a paleontological survey should be preformed. In walking the 0.6 mile proposed access road to the well location, several spots with turtle shell fragments were observed and recorded. The well location is, for the most part, covered with a thin layer of sand, silt, and angular rock fragments. Uinta Formation outcrops surrounding the proposed well location were checked and several sites recorded.

GEOLOGY AND PALEONTOLOGY

This area has valleys and hills with fairly steep slopes of Uinta Formation, Horizon "B", composed of interbedded sandstone and mudstone. The well location is on flat area with a gentle northeast slope. Vegetation in the area is sparse.

The Upper Eocene Uinta Formation is well known for its fauna of mammals, reptiles (particularly turtles and crocodilians), and occasional fish remains. Though less common, plant fossils are also known from the Uinta Formation.

RESULTS OF SURVEY

ROAD – A few turtle shell fragments were found eroding at several places along the south slope at the beginning of the road as it runs west and again on the north slope after it turns east (Paleontology locality 42Un1755V).

WELL LOCATION – The well location is, for the most part, covered with a thin layer of sand, silt, and angular rock fragments. Uinta Formation outcrops surrounding the proposed well location were checked and several sites recorded, one with what appear to be highly weather mammal bone fragments. These sites are not directly on the well pad location (Paleontology locality 42Un1756VI).

RECOMMENDATIONS

No recommendations for this well location and associated road and pipeline.

**Paleontology Locality
Data Sheet**

State Locality No. 42Un1755V
Agency No. _____
Temporary No. _____

1. Type of Locality: Invertebrate [] Plant [] Vertebrate [X] Trace [] Other []

2. Formation/Horizon/Geologic Age: Uinta Formation, Horizon A, Eocene

3. Description of geology and Topography: Valleys and hills with fairly steep slopes of Uinta Formation, drainage to east. Sparse vegetation.

4. Location of Outcrop: Twenty two miles south of Ft. Duchesne, Utah

5. Map Ref.: U.S.G.S. Quad. Moon Bottom, Utah, Scale 7.5 Min., Edition 1985

NW of NW of Section 6, T. 10 S, R. 19 E, Meridian : S.L.B. & M.

UTM Grid Zone: 12, (A) 599983 & 599931 m E 4435900 & 4425922 m N
(B) 599800 m E 4425601 m N

6. County: Uintah, BLM/USFS District: Vernal BLM

7. Specimens Observed/Collected: Turtle shell fragments eroding out of south slope (A) and north slope of hill (B).

8. Collector: Nothing collected Date: _____

9. Repository/Accession No.s: NA

10. Ownership: PRIV [] STATE [] BLM [X] USFS [] NPS [] IND [] MIL [] OTHER []

11. Recommendations for Further Work or Mitigation: None.

12. Type of Map made by Recorder: Attached

13. Disposition of Photos/Negatives: _____

14. Published References: _____

15. Remarks: Survey for proposed road to well Fed #12-6-10-19

16. Sensitivity: Critical [] Significant [] Important [] Insignificant [X] Unimportant []
(Class 1) (Class 2) (Class 3) (Class 4) (Class 5)

17. Recorded by: Alden H. Hamblin Date: March 8, 2005

18. Permit and License numbers: Utah Paleontological Permit # 04-339, BLM Paleontological Resources Permit # UT-S-05-02, Utah Professional Geologist License- 5223011-2250.

Paleontology Locality
Data Sheet

State Locality No. 42Un1756VI

Agency No. _____

Temporary No. _____

1. Type of Locality: Invertebrate [] Plant [] Vertebrate [X] Trace [] Other []

2. Formation/Horizon/Geologic Age: Uinta Formation, Horizon A, Eocene

3. Description of geology and Topography: Hills with fairly steep slopes of Uinta Formation, and gently inclined flat area with drainage to northeast. Sparse vegetation.

4. Location of Outcrop: Twenty two miles south of Ft. Duchesne, Utah

5. Map Ref.: U.S.G.S. Quad. Moon Bottom, Utah, Scale 7.5 Min., Edition 1985

E1/2 of SW of NW of Section 6, T. 10 S, R. 19 E, Meridian: S.L.B. & M.

UTM Grid Zone: 12, (A) 600071 m E 4425332 m N

(B) 600122 m E 4425480 m N

(C) 600160 m E 4425480 m N

6. County: Uintah, BLM/USFS District: Vernal BLM

7. Specimens Observed/Collected: (A) Several highly weather bone fragments that may be a mammal vertebrae. (B) Turtle shell fragments eroding out of south slope. (C) One lone cast and mold of a gastropod.

8. Collector: Nothing collected Date: _____

9. Repository/Accession No.s: NA

10. Ownership: PRIV [] STATE [] BLM [X] USFS [] NPS [] IND [] MIL [] OTHER []

11. Recommendations for Further Work or Mitigation: None.

12. Type of Map made by Recorder: Attached

13. Disposition of Photos/Negatives: _____

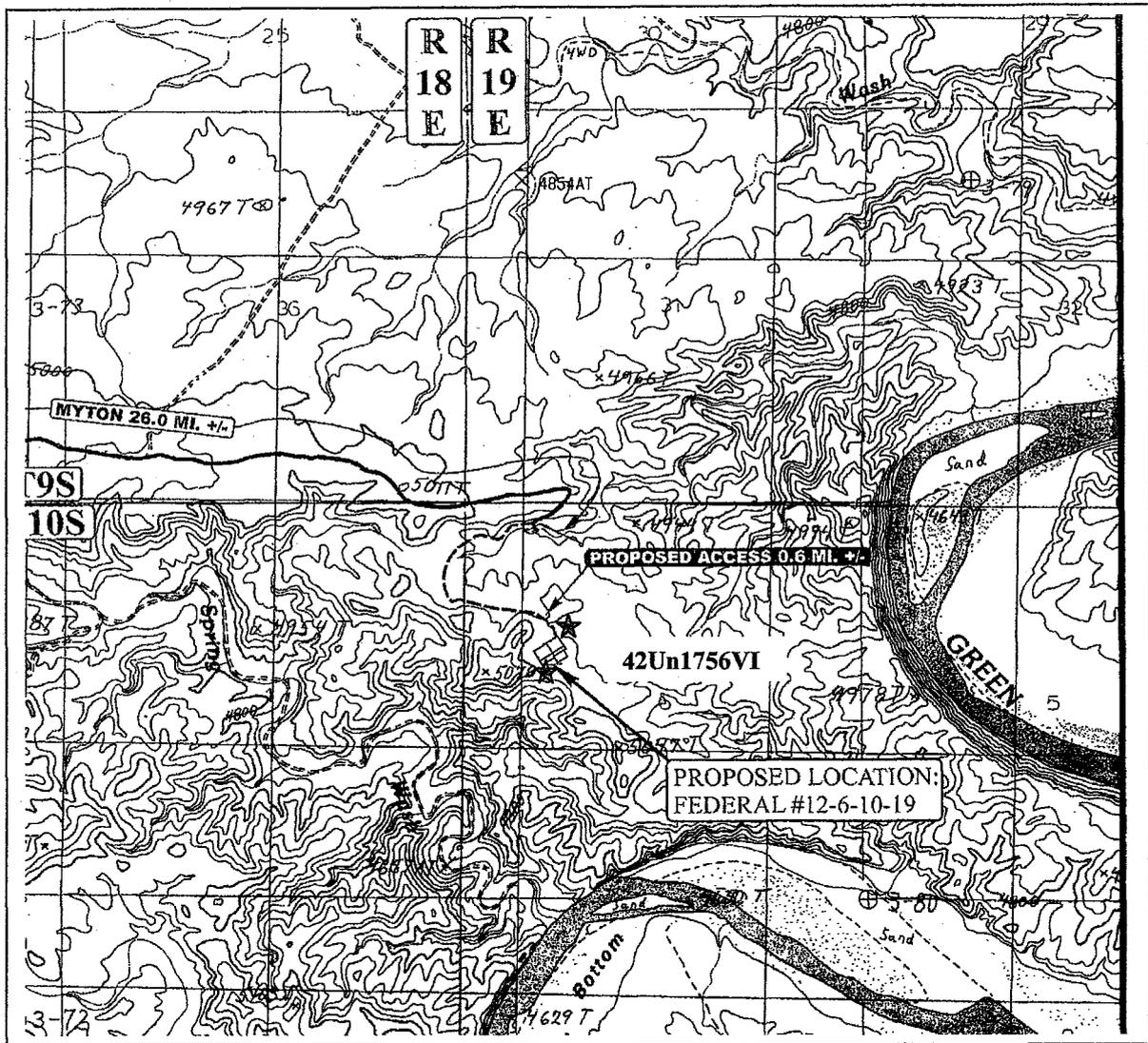
14. Published References: _____

15. Remarks: Survey for well location Fed #12-6-10-19

16. Sensitivity: Critical [] Significant [] Important [X] Insignificant [] Unimportant []
(Class 1) (Class 2) (Class 3) (Class 4) (Class 5)

17. Recorded by: Alden H. Hamblin Date: March 8, 2005

18. Permit and License numbers: Utah Paleontological Permit # 04-339, BLM Paleontological Resources Permit # UT-S-05-02, Utah Professional Geologist License- 5223011-2250.



Paleontology Locality 42Un1756VI (A) and (B-C) ★

Moon Bottom Quadrangle, Utah

[-----] Scale = 1/2 mile.



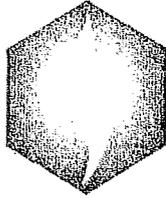
Highly weathered
mammal(?) bone
fragments. (A)



Gastropod
mold and cast.
(C)

Locality 42Un1756V (A) – top, (C) – bottom.

GASCO
Energy Inc



Bureau of Land Management
Vernal Field Office
170 S. 500 E.
Vernal, UT 84078

Attn: Minerals

Re: All wells
Uintah County, Utah

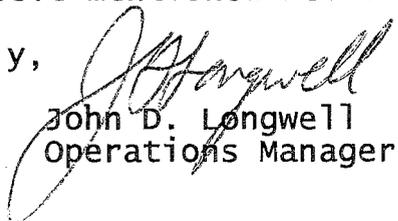
Gentlemen:

This letter is to inform you that Permitco Inc. is authorized to act as Agent and to sign documents on behalf of (Company Name) when necessary for filing county, state and federal permits including Onshore Order No. 1, Right of Way applications, etc., for the above mentioned well.

It should be understood that Permitco is acting as Agent only in those matters stated above and is not responsible for drilling, completion, production or compliance with regulations.

Gasco Energy, Inc. / Pannonian Energy (Company Name) agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above-mentioned well.

Sincerely,


John D. Longwell
Operations Manager

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/28/2005

API NO. ASSIGNED: 43-047-36464

WELL NAME: FEDERAL 12-6-10-19
OPERATOR: GASCO PRODUCTION (N2575)
CONTACT: VENESSA LANGMACHER

PHONE NUMBER: 303-857-9999

PROPOSED LOCATION:

SWNW 06 100S 190E
SURFACE: 2003 FNL 1179 FWL
BOTTOM: 2003 FNL 1179 FWL
UINTAH
NATURAL BUTTES (630)

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

LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-76490
SURFACE OWNER: 1 - Federal
PROPOSED FORMATION: CSLGT
COALBED METHANE WELL? NO

LATITUDE: 39.97461
LONGITUDE: -109.8274

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UT-1233)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-1723)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)

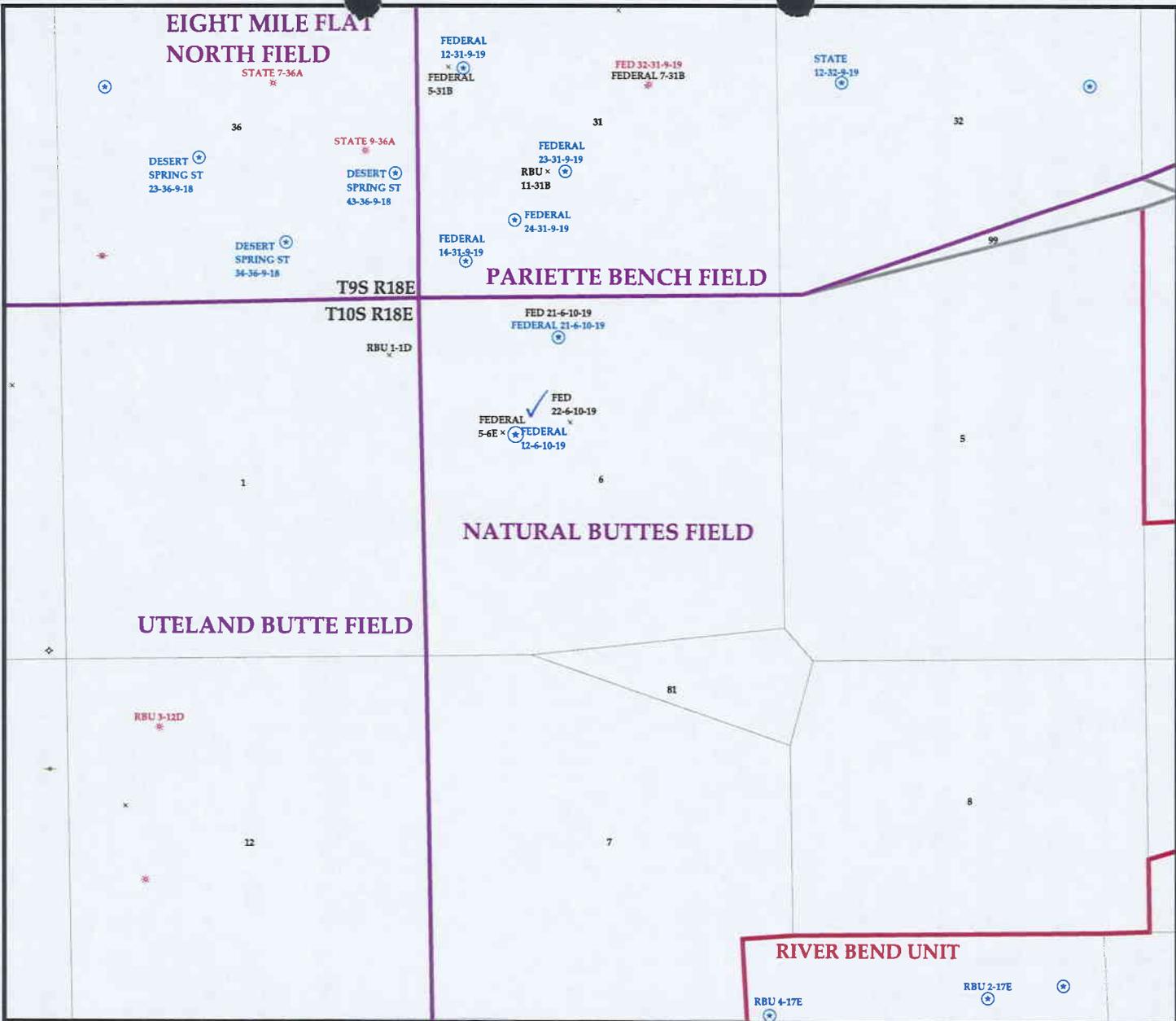
LOCATION AND SITING:

- 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:

STIPULATIONS:

1- Eiders Approval
2- Spacing Strip



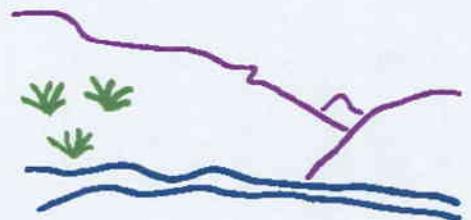
OPERATOR- GASCO PROD CO (N2575)

SEC. 6 T.10S R.19E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

SPACING: R649-3-3 / EXCEPTION LOCATION



Utah Oil Gas and Mining

Wells	Units.shp	Fields.shp
⚡ GAS INJECTION	🔲 EXPLORATORY	⬛ ABANDONED
⚡ GAS STORAGE	🔲 GAS STORAGE	🔲 ACTIVE
× LOCATION ABANDONED	🟢 NF PP OIL	🔲 COMBINED
⊕ NEW LOCATION	🔲 NF SECONDARY	🔲 INACTIVE
⊕ PLUGGED & ABANDONED	🔲 PENDING	🔲 PROPOSED
⚡ PRODUCING GAS	🟢 PI OIL	🔲 STORAGE
● PRODUCING OIL	🔲 PP GAS	🔲 TERMINATED
⚡ SHUT-IN GAS	🔲 PP GEOTHERML	
➔ SHUT-IN OIL	🟢 PP OIL	
× TEMP. ABANDONED	🔲 SECONDARY	
○ TEST WELL	⬛ TERMINATED	
△ WATER INJECTION		
◆ WATER SUPPLY		
↘ WATER DISPOSAL		



PREPARED BY: DIANA WHITNEY
DATE: 29-MARCH-2005



14421 County Rd. 10 • Ft. Lupton, Colorado 80621 • (303) 857-9999 • FAX (303) 857-0577 • E-MAIL Permitco 1@aol.com

March 30, 2005

Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, UT 84114-5801

Attn: Diana Whitney

Re: Gasco Production Company
Federal #12-6-10-19
2003' FNL and 1179' FWL
SW NW Section 6, T10S - R19E
Uintah County, Utah
Lease No. UTU-76490

Diana,

Please note that this location was staked at non-standard spacing in accordance with the rules and regulations of the Utah Division of Oil Gas and Mining. This was done for geologic considerations. Please also note that Gasco Production Company is the only working interest owner within a 460 foot radius. Therefore, we request your administrative approval of this exception to spacing.

If you should need additional information, please don't hesitate to contact me

Sincerely,

PERMITCO INC.

Venessa Langmacher

Venessa Langmacher
Consultant for
Gasco Production Company

RECEIVED
APR 01 2005

Enc.

cc: Gasco Production Company - Englewood, CO
Shawn Elworthy - Roosevelt, UT

DIV. OF OIL, GAS & MINING



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

MARY ANN WRIGHT
Acting Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

April 4, 2005

Gasco Production Company
14 Inverness Drive East, Suite H236
Englewood, CO 80112

Re: Federal 12-6-10-19 Well, 2003' FNL, 1179' FWL, SW NW, Sec. 6,
T. 10 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 43-047-36464.

Sincerely,



John R. Baza
Associate Director

pab
Enclosures

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

Operator: Gasco Production Company
Well Name & Number Federal 12-6-10-19
API Number: 43-047-36464
Lease: UTU-76490

Location: SW NW Sec. 6 T. 10 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.

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

<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals</p>		6. Lease Designation and Serial Number UTU-76490
		7. Indian Allottee or Tribe Name N/A
		8. Unit or Communitization Agreement N/A
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify) _____		9. Well Name and Number Federal 12-6-10-19
2. Name of Operator Gasco Production Company		10. API Well Number 43-047-36464
3. Address of Operator 8 Inverness Drive East, Suite 100, Englewood, CO 80112	4. Telephone Number 303/483-0044	11. Field and Pool, or Wildcat Wildcat
5. Location of Well Footage : 2003' FNL and 1179' FWL County : Uintah QQ, Sec, T., R., M. : SW NW, Section 6, T10S - R19E State : Utah		

CONFIDENTIAL

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____	
<input checked="" type="checkbox"/> Other <u>Request 1 year extension of APD</u>		Date of Work Completion _____	
Approximate Date Work Will Start _____		Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.	

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)
Gasco Production Company requests a one year extension of the subject APD.

**Approved by the
 Utah Division of
 Oil, Gas and Mining**
 Date: 01-19-06
 By: [Signature]

COPY SENT TO OPERATOR
 Date: 1-24-06
 Initials: [Signature]

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

Name & Signature Neressa Langmacker Title Consultant for Gasco Production Company Date 01/05/06

(State Use Only)

RECEIVED
JAN 10 2006

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-36464

Well Name: Federal #12-6-10-19

Location: SW NW, 2003' FNL and 1179' FWL, Sec. 6, T10S-R19E

Company Permit Issued to: Gasco Production Company

Date Original Permit Issued: 4/4/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If location on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes No

Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which would require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No

Venessa Langmacher
Venessa Langmacher - Permitco Inc.

January 5, 2006
Date

Title: Consultant for Gasco Production Company

RECEIVED

JAN 10 2006

DIV. OF OIL, GAS & MINING

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

<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals</p>		6. Lease Designation and Serial Number UTU-76490
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		8. Unit or Communitization Agreement N/A
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify) _____	CONFIDENTIAL	
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3. Address of Operator 8 Inverness Drive East, Suite 100, Englewood, CO 80112	4. Telephone Number 303/483-0044	10. API Well Number 43-047-36464
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12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
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13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Gasco Production Company requests a one year extension of the subject APD.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 06-19-06
 By: [Signature]

Date: 10-23-06
 By: RM

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

Name & Signature <u>Veronica Langmackey</u>	Title <u>Consultant for Gasco Production Company</u>	Date <u>06/13/06</u>
---	--	----------------------

(State Use Only)

RECEIVED

JUN 12 2006

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-047-36464

Well Name: Federal #12-6-10-19

Location: SW NW, 2003' FNL and 1179' FWL, Sec. 6, T10S-R19E

Company Permit Issued to: Gasco Production Company

Date Original Permit Issued: 4/4/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If location on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes No

Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which would require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No

Venessa Langmacher
Venessa Langmacher - Permitco Inc.

June 13, 2006
Date

Title: Consultant for Gasco Production Company

RECEIVED

JUN 12 2006

DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76490
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA
		7. UNIT or CA AGREEMENT NAME: NA
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: Federal 12-6-10-19	
2. NAME OF OPERATOR: Gasco Production Company		9. API NUMBER: 4304736464
3. ADDRESS OF OPERATOR: 8 Inverness Dr E, Ste 100 Englewood Co 80112	PHONE NUMBER: (303) 483-0044	10. FIELD AND POOL, OR WILDCAT: Wildcat
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2003' FNL & 1179' FWL		COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 6 10S 19E		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> 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: <u>Extend Permit</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Gasco Production Company would like to request a one year extension on this APD from the date it is due to expire (June 19, 2007)

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

Date: 06-20-07
By: [Signature]

COPY SENT TO OPERATOR
Date: 10-21-07
Initials: RM

NAME (PLEASE PRINT) <u>Beverly Walker</u>	TITLE <u>Engineering Technician</u>
SIGNATURE <u>[Signature]</u>	DATE <u>6/4/2007</u>

(This space for State use only)

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



**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304736464
Well Name: Federal 12-6-10-19
Location: SWNW Section6-T10S-R19E
Company Permit Issued to: Gasco Production Company
Date Original Permit Issued: 4/4/2005

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

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If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

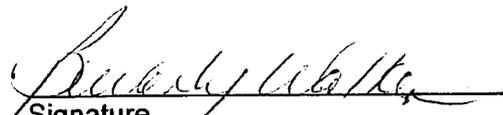
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Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No


Signature

6/4/2007
Date

Title: Engineering Technician

Representing: Gasco Production Company

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-76490	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
2. NAME OF OPERATOR: Gasco Production Company		7. UNIT or CA AGREEMENT NAME: NA	
3. ADDRESS OF OPERATOR: 8 Inverness Dr E, Ste 100 CITY Englewood STATE Co ZIP 80112		8. WELL NAME and NUMBER: Federal 12-6-10-19	
PHONE NUMBER: (303) 483-0044		9. API NUMBER: 4304736464	
4. LOCATION OF WELL		10. FIELD AND POOL, OR WILDCAT: Wildcat	
FOOTAGES AT SURFACE: 2003' FNL & 1179' FWL		COUNTY: Uintah	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWNW 6 10S 19E		STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
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	<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 would like to request a one year extension on this APD from the date it is due to expire (June 20, 2008)

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 06-18-08
By: [Signature]

COPY SENT TO OPERATOR
Date: 6.19.2008
Initials: KS

NAME (PLEASE PRINT) <u>Beverly Walker</u>	TITLE <u>Engineering Technician</u>
SIGNATURE <u>[Signature]</u>	DATE <u>6/10/2008</u>

(This space for State use only)

RECEIVED
JUN 13 2008
DIV. OF OIL, GAS & MINING

RESET

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304736464
Well Name: Federal 12-6-10-19
Location: SWNW Section6-T10S-R19E
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Date Original Permit Issued: 4/4/2005

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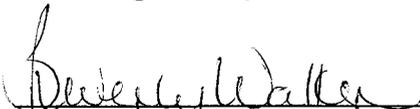
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Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No


Signature

6/10/2008
Date

Title: Engineering Technician

Representing: Gasco Production Company

RECEIVED

JUN 13 2008

DIV. OF OIL, GAS & MINING



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

July 9, 2009

Gasco Production Company
8 Inverness Dr. East, Ste. 100
Englewood, CO 80112

Re: APD Rescinded – Federal 12-6-10-19, Sec. 6 T. 10S, R. 19E
Uintah County, Utah API No. 43-047-36464

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on April 4, 2005. On January 19, 2006, June 19, 2006, June 20, 2007 and June 18, 2008, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective July 9, 2009.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,


Diana Mason
Environmental Scientist

cc: Well File
Bureau of Land Management, Vernal

