

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL		5. MINERAL LEASE NO.: UTU-74971	6. SURFACE: BLM
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>		7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. UNIT or CA AGREEMENT NAME: Wilkin Ridge	
2. NAME OF OPERATOR: Gasco Production Company		9. WELL NAME and NUMBER: Wilkin Ridge Federal #43-18-10-18	
3. ADDRESS OF OPERATOR: 8 Inverness Drive East, Suite 100, Englewood, CO 80112		PHONE NUMBER: 303/483-0044	10. FIELD AND POOL, OR WILDCAT: Wilkin Ridge U & Land Butte ⁶⁹⁵
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 591615X 44216924 39.942287 2049' FSL and 464' FEL AT PROPOSED PRODUCING ZONE: NE SE -109.927655		11. QTR/QTR, SECTION, TOWNSHIP, RANGE MERIDIAN: Section 18, T10S - R18E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 24.8 miles southeast of Myton, UT		12. COUNTY: Uintah	13. STATE: UT
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 464'	16. NUMBER OF ACRES IN LEASE: 1039.99	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: N/A Within Unit	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): 4450'	19. PROPOSED DEPTH: 17,210'	20. BOND DESCRIPTION: UT-1233	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5304' GL	22. APPROXIMATE DATE WORK WILL START: 10/1/2008	23. ESTIMATED DURATION: 55 Days	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
17-1/2"	13-3/8", H-40, 48#	300'	300 sx Premium Type 5, 15.6 ppg, 1.18 ft3/sk
12-1/4"	9-5/8", N-80, 53.5#	6,850'	943 sx Hi-Lift, 11 ppg, 3.91 ft3/sk + 185 sx 10-2 RFC, 14.2 ppg, 1.63 ft3/sk
7-7/8"	4-1/2", HCP-110, 15.1#	17,210'	523 sx Hi-Lift, 11.5 ppg, 3.05 ft3/sk + 2352 sx 50-50 Poz, 14.1 ppg, 1.28 ft3/sk

ATTACHMENTS

CONFIDENTIAL-TIGHT HOLE

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

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

AGENT: **Permitco Inc., P.O. Box 99, Eastlake, CO 80614** AGENT'S PHONE NO.: **303/857-9999**
 NAME (PLEASE PRINT) **Venessa Langmacher** TITLE **Regulatory Supervisor/Agent for Gasco Production Company**
 SIGNATURE *Venessa Langmacher* DATE **January 7, 2009**

(This space for State use only)

API NUMBER ASSIGNED: **43-047-40488**

Approved by the
Utah Division of
Oil, Gas and Mining

RECEIVED
JAN 12 2009

DIV. OF OIL, GAS & MINING

Date: **03-19-09**
By: *[Signature]*

**Federal Approval of this
Action is Necessary**

R
17
E

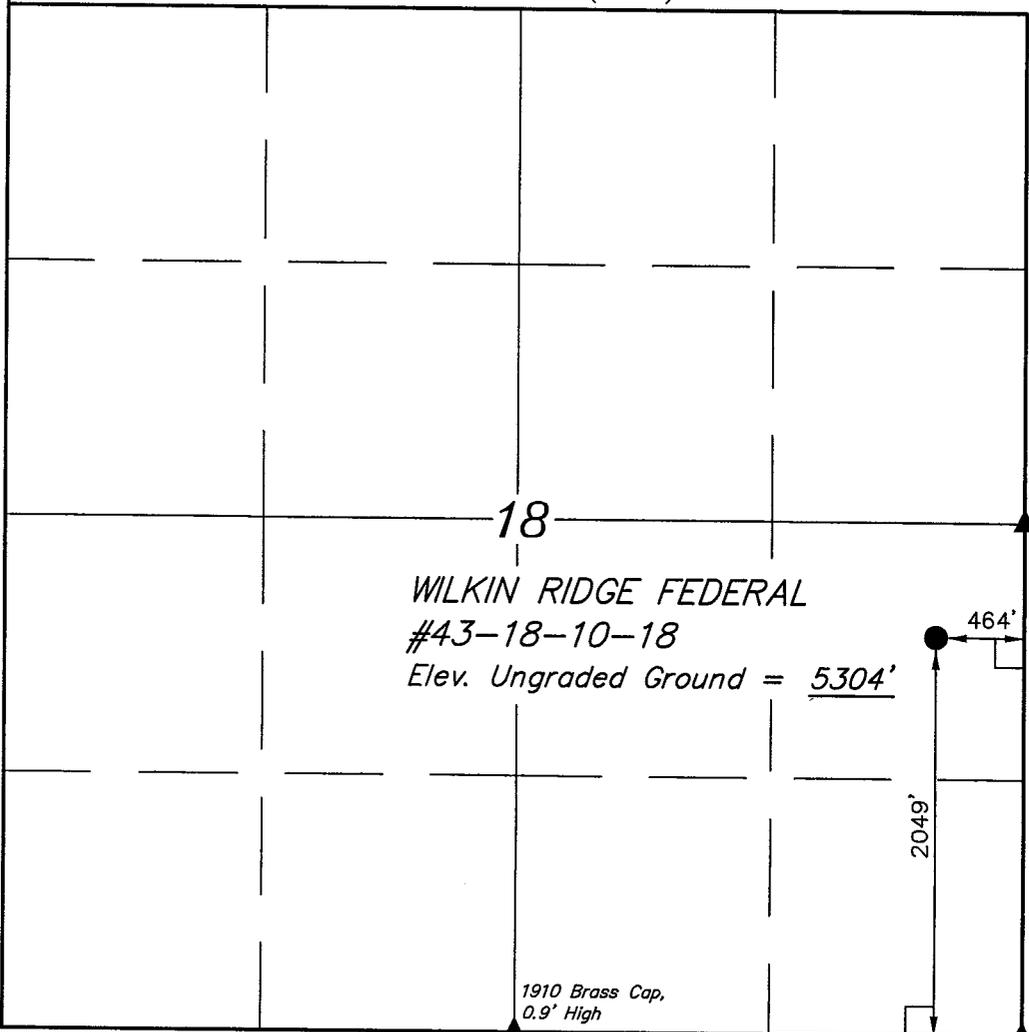
T10S, R18E, S.L.B.&M.

GASCO PRODUCTION COMPANY

Well location, WILKIN RIDGE FEDERAL #43-18-10-18, located as shown in the NE 1/4 SE 1/4 of Section 18, T10S, R18E, S.L.B.&M., Uintah County, Utah.

EAST - 5283.96' (G.L.O.)

NORTH - 5280.00' (G.L.O.)



N00°01'E - 2640.00' (G.L.O.)

N00°04'30"E - 2637.24' (Meas.)

1910 Brass Cap,
1.8' High, Pile of
Stones

464'

2049'

S89°59'W - 2636.70' (G.L.O.)

S89°58'20"E - 2643.45' (Meas.)

18

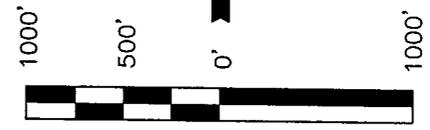
WILKIN RIDGE FEDERAL
#43-18-10-18
Elev. Ungraded Ground = 5304'

1910 Brass Cap,
0.9' High

1910 Brass Cap,
2.0' High

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 14, T10S, R18E, S.L.B.&M. TAKEN FROM THE MOON BOTTOM QUADRANGLE, UTAH, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5129 FEET.



SCALE

CERTIFICATE

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



BASIS OF BEARINGS

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

(NAD 83)

LATITUDE = 39°56'32.42" (39.942339)
LONGITUDE = 109°55'42.14" (109.928372)

(NAD 27)

LATITUDE = 39°56'32.55" (39.942375)
LONGITUDE = 109°55'39.61" (109.927669)

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-29-08	DATE DRAWN: 06-05-08
PARTY J.W. C.G. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE GASCO PRODUCTION COMPANY	

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160
(UT-922)

January 13, 2009

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2009 Plan of Development Wilkin Ridge Unit, Duchesne and Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well is planned for calendar year 2009 within the Wilkin Ridge Unit, Duchesne County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Dakota)		
43-047-40488	Wilkin Ridge	43-18-10-18 Sec 18 T10S R18E 2049 FSL 0464 FEL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File – Wilkin Ridge Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:1-13-09



PO Box 99 • Eastlake, CO 80614 • (303) 857-9999 • FAX (303) 450-9200 • E-MAIL Permitco1@aol.com

January 7, 2009

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

Re: Gasco Production Company
Wilkin Ridge Federal #43-18-10-18
2049' FSL and 464' FEL
NE SE Sec. 18, T10S - R18E
Uintah County, Utah

Gentlemen:

Enclosed please find one copy of the Application for Permit to Drill, along with the required attachments.

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

Sincerely,

PERMITCO INC.

Venessa Langmacher
Consultant for
Gasco Production Company

Enc.

cc: Gasco Production Company - Englewood, CO
Shawn Elworthy - Myton, UT
Shon McKinnon - Altamont, UT

RECEIVED

JAN 12 2009

DIV. OF OIL, GAS & MINING

ONSHORE OIL & GAS ORDER NO. 1

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

**Wilkin Ridge Federal #43-18-10-18
2049' FSL and 464' FEL
NE SE Section 18, T10S - R18E
Uintah County, Utah**

Prepared For:

Gasco Production Company

By:

**PERMITCO INC.
P.O. Box 99
Eastlake, CO 80614
303/857-9999**

CONFIDENTIAL-TIGHT HOLE

Copies Sent To:

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



Gasco Production Co.
Wilkin Ridge Federal 43-18-10-18
2049' FSL 464" FEL
NE SE of Section 18-T10S-R18E
Duchesne County, Utah

CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge, of state and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this 6th day of August, 2008.



Signature

Drilling Manager

Title

8 Inverness Drive East, Suite 100 Englewood, Co 80111

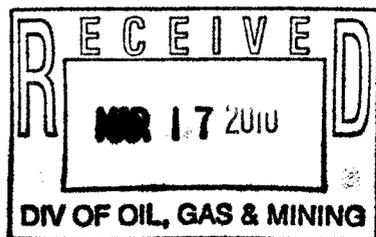
Address

303-483-0044

Telephone

cwilson@gascoenergy.com

E-mail



ONSHORE ORDER NO. 1
 Gasco Production Company
Wilkin Ridge Federal #43-18-10-18
 2049' FSL and 464' FEL
 NE SE Section 18, T10S - R18E
 Uintah County, Utah

CONFIDENTIAL - TIGHT HOLE

Lease No. UTU-74971

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	4,850'	+500'
Mesaverde	8,870'	-3,520'
Castlegate	11,325'	-5,975'
Blackhawk	11,580'	-6,230'
Kenilworth	12,040'	-6,690'
Spring Canyon	12,250'	-6,900'
Mancos	12,350'	-7,000'
Dakota	16,910'	-11,560'
T.D.	17,210'	-11,860'

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

<i>Substance</i>	<i>Formation</i>	<i>Depth</i>	<i>Thickness</i>
Gas	Wasatch	5,000' - 8,870'	3,870'
Gas	Mesaverde	8,870' - 11,325'	2,455'
Gas	Blackhawk	11,580' - 12,350'	770'
Gas	Mancos	12,350' - 16,910'	4,560'
Gas	Dakota	16,910' - 17,110'	200'



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: 10,000 psi

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 10,000 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.



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	0-300'	17-1/2"	13-3/8"	48#	H-40	---	New
Surface	0-6,850'	12-1/4"	9-5/8"	53.5#	N-80	LT&C	New
Production	0-17,210'	7-7/8"	4-1/2"	15.1#	HCP-110	LT&C	New

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

o. The cement program will be as follows:

<i>Conductor</i>	<i>Type and Amount</i>
TOC @ Surface	300 sx Premium Type 5 mixed @ 15.6 ppg, 1.18 yield
<i>Surface</i>	<i>Type and Amount</i>
TOC @ Surface	Lead: 943 sx Hi-Lift mixed @ 11 ppg, 3.91 yield Tail: 185 sx 10-2 RFC mixed @ 14.2 ppg, 1.63 yield
<i>Production</i>	<i>Type and Amount</i>
TOC @ 6,750'	Lead: 523 sx Hi-Lift mixed @ 11.5 ppg, 3.05 yield Tail: 2352 sx 50:50 Poz @ 14.1 ppg, 1.28 yield

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 - 300'	Fresh Water	8.33	32	---	7
300' - 6,850'	Fresh Water	8.33-9.0	32	---	7-8
6,850' - 17,210'	Fresh Water/DAP	9.0-12.5	30-40	12-20	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. The logging program will consist of a Baker Minislam or equivalent to be run from base of surface casing to TD.
- 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: Perform multistage fracs and complete all productive Blackhawk, Mesaverde, Wasatch, Mancos and Dakota sands present in wellbore. Produce all zones commingled.
- 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 10,326 psi. The maximum bottom hole temperature anticipated is 309.78° F.
- b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 10,000# BOP double ram BOP with annular.

8. ANTICIPATED STARTING DATES AND NOTIFICATION OF OPERATIONS

- a. Drilling is planned to commence on October 1, 2008.
- b. It is anticipated that the drilling of this well will take approximately 55 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.

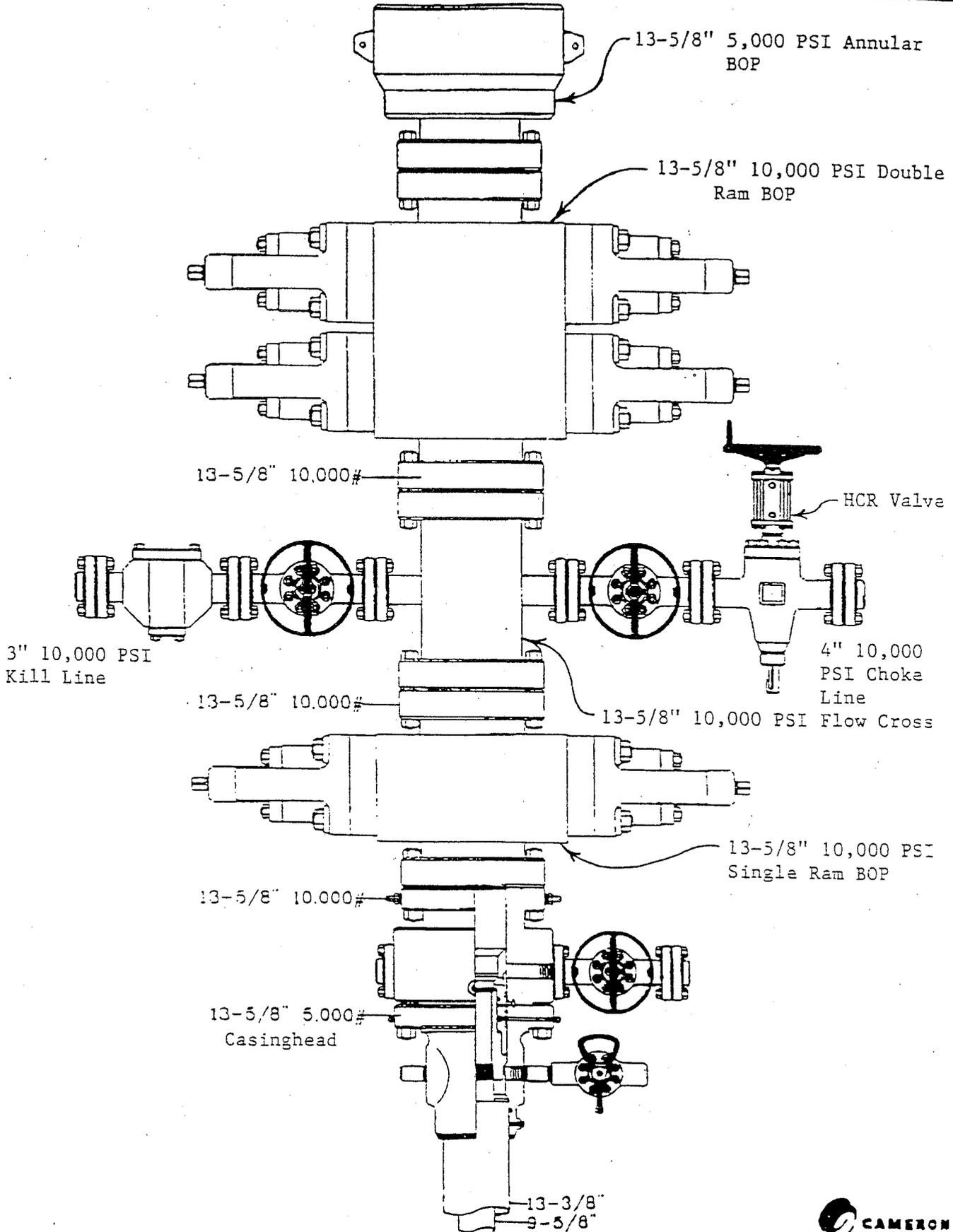


- i. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Order No. 3 shall be adhered to. 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		Fax: 435/781-4410
After Hours:		
Matt Baker	Petroleum Engineer	435/828-4470
Michael Lee	Petroleum Engineer	435/828-7875



PROPOSED BOP DIAGRAM



3" 10,000 PSI Kill Line

13-5/8" 5,000 PSI Annular BOP

13-5/8" 10,000 PSI Double Ram BOP

13-5/8" 10,000#

HCR Valve

4" 10,000 PSI Choke Line

13-5/8" 10,000#

13-5/8" 10,000 PSI Flow Cross

13-5/8" 10,000 PSI Single Ram BOP

13-5/8" 10,000#

13-5/8" 5,000# Casinghead

13-3/8"
9-5/8"



**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 Wednesday, June 25, 2008 at approximately 11:30 a.m. Weather conditions were sunny, clear, warm and breezy. In attendance at the onsite inspection were the following individuals:

Darren Williams	Natural Resource Specialist	Bureau of Land Management
Brandon McDonald	Wildlife Biologist	Bureau of Land Management
Dan Emmett	Natural Resource Specialist	Bureau of Land Management
Randy Smith	Field Technician	Permitco Inc.
Shon McKinnon	Consultant	Gasco Production Company
Jesse Walton	Surveyor	Uintah Engineering and Land Surveying
Linda Sperry	Environmental Specialist	SWCA
Jake Huffman	Dirt Contractor	

1. EXISTING ROADS

- a. The proposed well site is located approximately 24.8 miles southeast of Myton, Utah.



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

Proceed in a southeasterly direction from Myton, Utah for approximately 12.7 miles to the Castle Peak Mine. Stay right and continue southerly for 6.6 miles until reaching a fork in the road. Turn left and proceed east 4.7 miles until reaching a fork in the road. Turn right and proceed southwest 0.8 miles. Turn right onto the proposed road re-route and proceed west 400'. Turn left onto the proposed access and proceed east 260' 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. NEW OR RECONSTRUCTED ACCESS ROADS

- a. There will be 400' of access road to be re-routed and 260' of new access to be constructed.
- b. The maximum grade is approximately 3%.
- c. No turnouts are planned.
- d. No culverts or low water crossings will be installed.
- e. The access road was centerline surveyed 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 the Gold Book standards.
- 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.
- l. Road right of way is not needed since all access roads are located within the unit boundary.

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 - four
- d. Drilling wells - none
- e. Shut-in wells - one
- f. Temporarily abandoned wells - none



- g. Disposal wells -none
- h. Plugged and Abandoned wells - one

4. LOCATION OF EXISTING AND/OR PROPOSED 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 diagram 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 separator. 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 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. Pipeline right of way is not needed since all pipeline is located inside the unit boundary.

5. LOCATION AND TYPE OF WATER SUPPLY

- a. The proposed water source will be the Nebecker Water Station in Myton. The Water Use Claim # is 43-1721. In addition, recycled water from other drilling or producing wells will be utilized.
- 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. CONSTRUCTION MATERIALS

- 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 FOR HANDLING WASTE

- 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 felt and a 16 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 northwest side of the location.
- c. The flare pit will be located on the east side of the reserve pit, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.
- d. The stockpiled topsoil (first six inches) will be stored on the northeast side of the location, between Corners 7 and 9. Topsoil along the access route will be wind rowed on the uphill side.
- e. Access to the well pad will be from the west 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 two strands of 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 SURFACE RECLAMATION**

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.

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.



Dry Hole

1. 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.

Interim Surface Reclamation will be as follows:

1. Immediately after final well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production operations.
2. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in the reserve pit will be removed. Other waste and spoil materials will be disposed of immediately, weather permitting, upon final well completion.
3. If a synthetic, nylon re-enforced, liner is used, the excess liner will be cut off and removed and the remaining liner will be torn and perforated while backfilling the reserve pit. Alternatively, the pit will be pumped dry, the liner folded into the pit, and the pit backfilled. The liner will be buried to a minimum of four (4) feet deep.
4. The reserve pit will be reclaimed within 180 days from the date of final well completion, weather permitting.
5. The reserve pit and that portion of the location not needed for production and storage facilities, and everyday production operations, will be reshaped to the approximate original contours to the extent possible. This will be completed by backfilling and crowning the pit to prevent water from standing. Topsoil will be re-spread up to the rig anchor points, excluding the area needed for production and storage facilities and everyday production operations. Re-seeding, using appropriate reclamation methods, will occur immediately following the re-spreading of topsoil, weather permitting. The Authorized Officer will provide a seed mixture to re-vegetate the reserve pit and other unused disturbed areas at the time of the onsite.

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 will be conducted by Grand River Institute. A copy of this report will be submitted to the appropriate agencies directly by Grand River Institute.
- b. A Paleontology Evaluation was conducted by Alden Hamblin on June 25, 2008. A copy of this report is attached.
- c. A Special Status Plant Species survey was conducted by SWCA on June 23, 2008. A copy of this report is attached.
- d. 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.

- e. 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.



- f. 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.
- g. 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.
- h. A complete copy of the approved APD shall be on location during construction of the location and drilling activities.
- i. There will be no deviation from the proposed drilling and/or workover 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.
- j. "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.
- k. This permit will be valid for a period of two years from the date of approval. An extension period of two years 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.
- l. The operator or his contractor shall contact the BLM Offices at 435/781-4400 48 hours prior to construction activities.
- m. The BLM Office shall be notified upon site completion prior to moving on the drilling rig.

AGENT AND OPERATOR'S CONTACT INFORMATION

Permit Matters

PERMITCO INC.
P.O. Box 99
Eastlake, CO 80614
303/857-9999 (O)
303/450-9200 (F)
Lisa Smith

Drilling & Completion Matters

Gasco Production Company
8 Inverness Drive East, Suite 100
Englewood, CO 80112
John Longwell
303/483-0044 (O)
303/ 483-0011(F)



PIPELINE INFORMATION
Wilkin Ridge Federal #43-18-10-18

1. The type of pipeline is a single well flow line.
2. The outside diameter (O.D.) of all will be 8 inches maximum.
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 100-200 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 will be other objects to be associated in the same right of way. (Risers, Pig Launchers Pig Traps, meters and other appurtenances as required.)
10. The total length of pipeline is approximately 3082 feet - see Map D.
11. The line will be laid on surface because of the rocky surface as shown on Map D. Where possible, the pipeline will follow existing or proposed roads.
12. The construction width for total surface disturbing activities is 30 feet.
13. The estimated total acreage involving all surface disturbing activities is 2.12 acres.
14. 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.
15. The line will be tested with gas pressure to 1000 psi.



FEDERAL STIPULATIONS

Any Timing Limitation Stipulations will be attached as a Condition of Approval by the BLM.



Archeology

A Class III Archeological Survey will be conducted by Grand River Institute.
A copy of this report will be submitted directly to the appropriate agencies by Grand River Institute.



**WELL PAD/ACCESS ROAD BOTANY SURVEY
43-18-10-18
SPECIAL STATUS PLANT SPECIES REPORT**

For

GASCO PRODUCTION COMPANY

Prepared by:

SWCA[®] Environmental Consultants

2028 West 500 North

Vernal, Utah

Phone (435) 789-9388

FAX: (435) 789-9385

Prepared for:

U.S. Department of the Interior

Bureau of Land Management

Vernal Field Office

170 South 500 East

Vernal, Utah 84078

Phone: (435) 781-4400

FAX: (435) 781-4410

June 23, 2008

SPECIAL STATUS PLANT SPECIES REPORT

Operator: Gasco Production Company
Well(s): 43-18-10-18
Location: Section 18, Township 10 South, Range 18 East in Uintah County, Utah
Survey
Date(s): June 12, 2008
Observer(s): SWCA Environmental Consultants, Inc.
Weather: 80°F, Sunny, 5-10 MPH

PROPOSED PROJECT:

Gasco proposes to drill proposed well Quarter-Quarter 43, Section 18, Township 10 South, and Range 18 East, in Uintah County, Utah. The proposed well is located approximately 25 miles southwest of Ft. Duchesne, Utah on Federally owned land managed by Bureau of Land Management (BLM). Mineral extraction activities, transportation corridors, agricultural and ranching activities, livestock grazing, and erosion have historically impacted the project area.

PROJECT AREA DESCRIPTION:

The proposed project area is underlain by sedimentary deposits of the Uinta Formation of Late Middle Eocene age at an elevation of approximately 5,000 feet. Soils in the project area are sandy with overlaying surface rock. The project area contains variable slopes dominated by perennial shrubs. Additionally, there were no rock outcrops in the proposed location. Slopes within the project area boundaries range from 0-5%.

The vegetation in the project area is alkaline shrub community consisting of shadscale, budsage, greasewood, and prickly pear. Halogeton and cheatgrass can be found in small amounts within the native vegetation. For a complete list of common plants associated with the desert shrub community in the project area see Appendix A.

SURVEY METHODOLOGY:

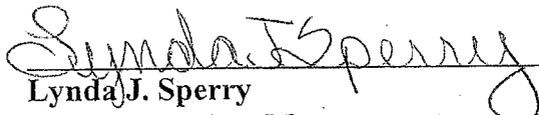
In May 2007 the Utah Department of Wildlife Resources website (<http://dwredec.nr.utah.gov/ucdc/>) was reviewed for Uintah County. This site contains the U.S. Fish and Wildlife Service list of threatened, endangered and candidate species as well as the BLM/Utah State sensitive species list. In addition, past survey reports and environmental documents were reviewed to determine which federally listed threatened, endangered and candidate species, and which BLM/Utah sensitive species (collectively referred to as special status species) have the potential to occur in the project area. For a complete list of special status plant species within the county of the project area see Appendix B.

Data on existing soils, geology, elevations, and vegetation types within the proposed project area were used to determine which of these species have potential to occur within the project area. In-house Geographic Information System (GIS) layers were examined for known locations of and suitable habitat for special status plant species within the project area. From this pre-project assessment, it was determined that *Sclerocactus wetlandicus* has a low potential to occur within the proposed project area.

In addition to the above existing data research, a site-specific survey of the proposed well location, access road, and pipeline was conducted on the above mentioned date.

SURVEY RESULTS:

There was approximately 70 percent potential *S. wetlandicus* habitat identified in the proposed project area. No *S. wetlandicus* individuals were located.


Lynda J. Sperry
Biologist/Project Manager

6-23-08
Date

Appendix A

Common Plant Species

Appendix A – Common Plants in the Desert Shrub Community in the Project Area.

Scientific Name	Common Name
<i>Shrubs</i>	
<i>Artemisia nova</i>	Black sagebrush
<i>Atriplex canescens</i>	Four-winged saltbush
<i>Atriplex confertifolia</i>	Shadscale saltbush
<i>Ephedra torreyana</i>	Monmon tea
<i>Ericameria nauseosus</i>	Rubber rabbitbrush
<i>Grayia spinosa</i>	Spiny hopsage
<i>Gutierrezia sarothrae</i>	Broom snakeweed
<i>Juniperus osteosperma</i>	Utah juniper
<i>Krascheninnikovia lanata</i>	Winterfat
<i>Picrothammus desertorum</i>	Bud sage
<i>Sarcobatus vermiculatus</i>	Greasewood
<i>Tetradymia spinosa</i>	Common horsebrush
<i>Grasses and Forbs</i>	
<i>Achnatherum hymenoides</i>	Indian ricegrass
<i>Agropyron dasystachyum</i> var. <i>dasystachyum</i>	Thickspike wheatgrass
<i>Allium textile</i>	Textile onion
<i>Arenaria</i> spp.	Sandwort
<i>Bouteloua gracilis</i>	Blue grama
<i>Cleome lutea</i>	Yellow beeplant
<i>Cymopterus</i> spp.	Spring parsley
<i>Descurainia pinnata</i>	Tansy mustard
<i>Elymus elymoides</i>	Squirreltail
<i>Eriogonum inflatum</i>	Desert trumpet
<i>Eriogonum</i> sp.	Buckwheat
<i>Opuntia polyacantha</i>	Pricklypear
<i>Phacelia crenulata</i>	Scorpionweed
<i>Phlox</i> spp.	Phlox
<i>Pleuraphis jamesii</i>	Galleta
<i>Sitanion hystrix</i>	Squirreltail
<i>Sphaeralcea</i> spp.	Globemallow
<i>Sporobolus airoides</i>	Alkali sacaton
<i>Thinopyrum intermedium</i>	Intermediate wheatgrass
<i>Non-native and Invasive Weeds</i>	
<i>Bromus tectorum</i>	Cheatgrass
<i>Halogeton glomeratus</i>	Halogeton

USDA, NRCS. 2007. The PLANTS Database (<http://plants.usda.gov>, 7 September 2007). National Plant Data Center, Baton Rouge, LA 70874-4490 USA.

Appendix B

Special Status Plant Species

Appendix B – Special Status Plant Species

Scientific Name Common Name	Status	Habitat Association	Potential for Occurrence Within the Project Area
<i>Federally-listed Threatened, Endangered, and Candidate Plant Species</i>			
<i>Astragalus equisolensis</i> Horseshoe milkvetch	Candidate	Duchesne River Formation soils in sagebrush, shadscale, horsebrush, and mixed desert shrub communities. 4790-5185 ft.	None. No suitable habitat. Formations and associated soils do not occur in the project area.
<i>Penstemon grahamii</i> Graham beardtongue	Threatened	East Duchesne and Uintah Counties. Evacuation Creek and Lower Parachute Member of the Green River Formation. Shale knolls in sparsely vegetated desert shrub and pinyon-juniper communities. 4600-6700 ft.	None. No suitable habitat.
<i>Penstemon scariosus</i> var. <i>albifluvis</i> White River penstemon	Candidate	Evacuation Creek and Lower Parachute Creek. Member of the Green River Formation on sparsely vegetated shale slopes in mixed desert shrub and pinyon-juniper communities. 5000-6000 ft.	None. No suitable habitat.
<i>Schoenocrambe argillacea</i> Clay thelopody	Threatened	Bookcliffs on the contact zone between the upper Uintah and lower Green River shale formations in mixed desert shrub of Indian ricegrass and pygmy sagebrush. 5000-5650 ft.	None. No suitable habitat.
<i>Schoenocrambe suffrutescens</i> Shrubby reed-mustard	Endangered	Evacuation Creek and lower Parachute Creek. Members of the Green River Formation on calcareous shale in pygmy sagebrush, mountain mahogany, juniper, and mixed desert shrub communities. 5400-6000 ft.	None. No suitable habitat.
<i>Sclerocactus wetlandicus</i>	Threatened	Gravelly hills and terraces on Quaternary and tertiary alluvium soils in cold desert shrub communities. 4700-6000 ft.	Yes.
<i>Spiranthes diluvialis</i> Ute ladies'-tresses	Threatened	Streams, bogs, and open seepages in cottonwood, salt cedar, willow, and pinyon-juniper communities on the south and east slope of the Uintah Range and its tributaries, and the Green River from Browns Park to Split mountain. Potentially in the upper reaches of streams in the Book Cliffs. 4400-6810 ft.	None. No suitable habitat.

Appendix B – Special Status Plant Species

Scientific Name Common Name	Status	Habitat Association	Potential for Occurrence Within the Project Area
BLM/Utah Sensitive Plant Species			
<i>Arabis vivariensis</i> Park rock cress	Sensitive	Webber Formation sandstone and limestone outcrops in mixed desert shrub and pinyon-juniper communities. 5000-6000 ft.	None. No suitable habitat. Formations and associated soils do not occur in the project area.
<i>Astragalus hamiltonii</i> Hamilton milkvetch	Sensitive	Duchesne, Mowery shale, Dakota, and Wasatch Formation soils in pinyon-juniper and desert shrub communities. 5240-5800 ft.	None. No suitable habitat. Formations and associated soils do not occur in the project area.
<i>Cirsium ownbeyi</i> Ownbey thistle	Sensitive	East flank Uintah Mountains. Sagebrush, juniper, and riparian communities. 5500-6200 ft.	None. No suitable habitat. Formations and associated soils do not occur in the project area. Out of range.
<i>Cleomella palmeriana</i> Goodrich cleomella	Sensitive	Associated with charming woody aster (<i>Machaeranthera venusta</i>), intermountain phacelia, yellow milkvetch, and mat saltbush on eroded slopes of heavy clay in the Morrison Formation at 5400 feet.	None. No suitable habitat. Formations and associated soils do not occur in the project area. Out of range.
<i>Erigeron untermannii</i> Untermann daisy	Sensitive	Pinyon-juniper communities on calcareous shales and sandstones of the Uinta and Green River formations. Duchesne and Uintah counties; endemic. 7000-7800 ft.	None. No suitable habitat.
<i>Habenaria zothecina</i> Alcove bog-orchid	Sensitive	Moist streambanks, seeps, hanging gardens in mixed-desert shrub, pinyon-juniper, and oakbrush (4,360-8,690 feet).	None. No suitable habitat.
<i>Hymenoxys lapidicola</i> Rock hymenoxis	Sensitive	Rock crevices in pinyon-juniper. Uintah County endemic (6,000-8,000 feet)	None. No suitable habitat
<i>Lepidium huberi</i> Huber's pepperplant	Sensitive	Rock crevices, eroding parent material, and alluvial soils of the Moenkopi, Navajo, Chinle, and Formations in the Uintah and Green River Formation in the Bookcliffs. 5600-8000 ft.	None. No suitable habitat.
<i>Penstemon acaulis</i> Stemless penstemon	Sensitive	Daggett County. Semi-barren substrates in pinyon-juniper and sagebrush-grass communities. 5840-7285 ft.	None. No suitable habitat.

Appendix B – Special Status Plant Species

Scientific Name Common Name	Status	Habitat Association	Potential for Occurrence Within the Project Area
<i>Penstemon flowersii</i> Flowers penstemon	Sensitive	Clay badlands from Myton to Roosevelt and Randlett, in shadscale and desert communities. 5000-5400 ft.	None. No suitable habitat.
<i>Penstemon gibbensii</i> Gibbens penstemon	Sensitive	Brown's Park in Daggett County. Sandy and shale (Green River Shale) bluffs and slopes with juniper, thistle, <i>Eriogonum</i> , <i>Elymus</i> , serviceberry, rabbitbrush, and <i>Thermopsis</i> . 5500-6400 ft.	None. No suitable habitat. Project area is not in Daggett County.
<i>Penstemon goodrichii</i> Goodrich penstemon	Sensitive	Lapoint-Tridell-Whiterocks area. Duchesne River Formation on blue gray to reddish bands of clay badlands. Elevations 5590 to 6215 ft.	None. No suitable habitat.

PALEONTOLOGY EVALUATION SHEET

PROJECT: GASCO ENERGY WELL – Wilkin Ridge Federal #43-18-10-18

LOCATION: Twenty three miles south of Roosevelt, Utah in 2049' FSL 464' FEL of section 18, T10S, R18E, Uintah County, Utah.

OWNERSHIP: PRIV[] STATE[] BLM[X] USFS[] NPS[] IND[] MIL[] OTHER[]

DATE: June 25, 2008

GEOLOGY/TOPOGRAPHY: Rock exposures in the area are of the lower part of the lower member of the Uinta Formation, Upper Eocene age. This is an area of moderate relief with Uinta Formation outcrops and flat to round-bottom drainages. The well pad is next to an existing road and requires some realignment of the existing road. The pad is on an east slope which is steeper on the west and flattens out to the east. Interbedded mudstones and sandstones.

PALEONTOLOGY SURVEY: YES [X] NO Survey [] PARTIAL Survey []
The well pad and pipeline was surveyed.

SURVEY RESULTS: Invertebrate [] Plant [] Vertebrate [X] Trace [] No Fossils Found []
A few highly weathered turtle shell fragments 18 yards southwest of the center stake. Not considered significant.

PALEONTOLOGY SENSITIVITY: HIGH [] MEDIUM [x] LOW [x] (PROJECT SPECIFIC)

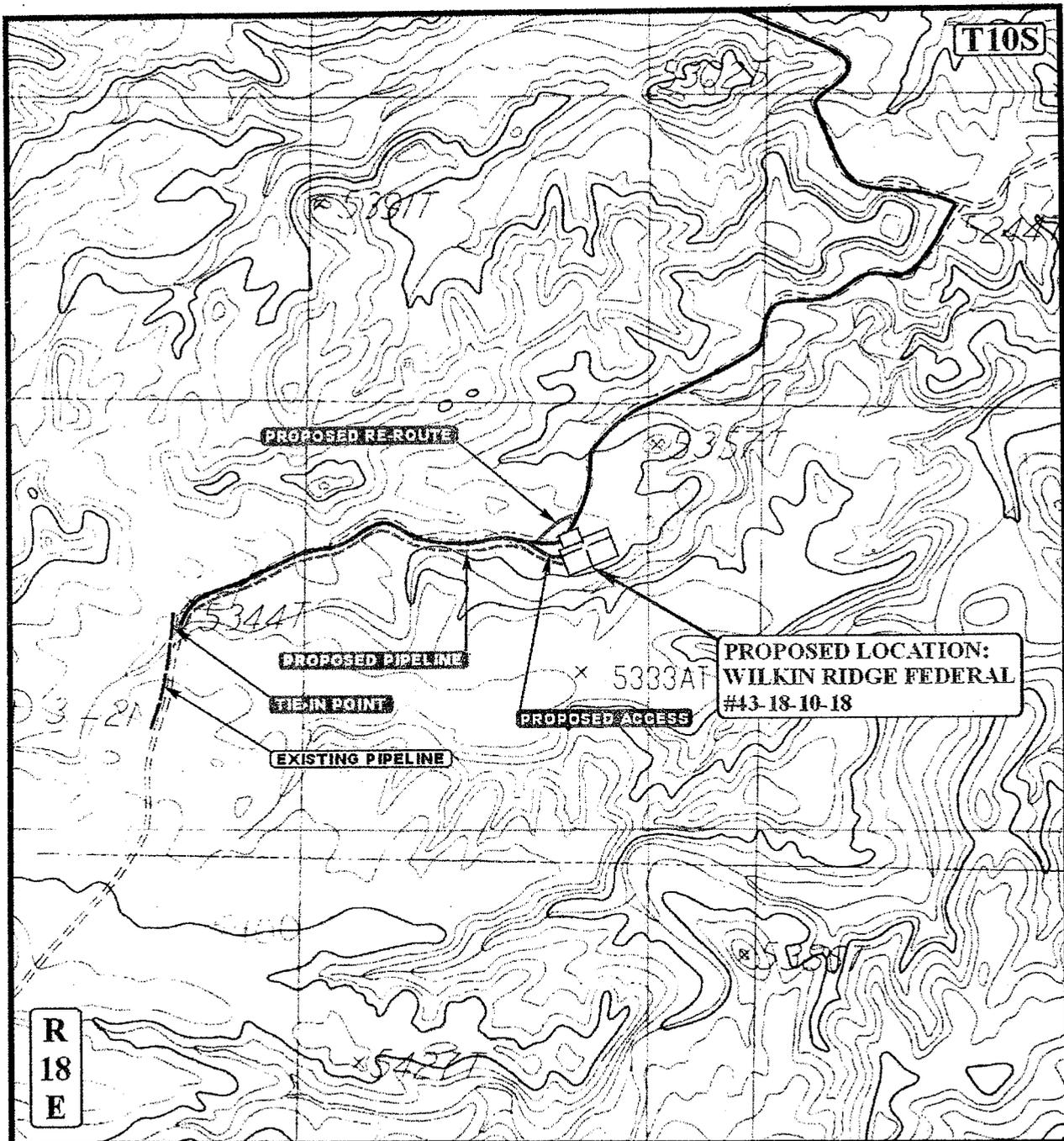
MITIGATION RECOMMENDATIONS: NONE [] OTHER [X] (SEE BELOW)

No recommendations are made for this well location, road or pipeline.

There is always some potential for discovery of significant paleontological resources in the Uinta Formation. If significant vertebrate fossils (mammals, crocodiles, complete turtle shells, etc.) are encountered during construction, work should stop in that area and a paleontologist contacted to evaluate the material discovered.

PALEONTOLOGIST: Alden H. Hamblin

A.H. Hamblin Paleontological Consulting, 3793 N. Minersville Highway, Cedar City, Utah 84720 (435) 867-8355
Utah State Paleontological Permit # 07-355, BLM paleontological Resources Permit # UT08-003C.
Utah Professional Geologist License – 5223011-2250.



APPROXIMATE TOTAL PIPELINE DISTANCE = 3082' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- PROPOSED ROAD RE-ROUTE
- EXISTING PIPELINE
- PROPOSED PIPELINE



GASCO PRODUCTION COMPANY

WILKIN RIDGE FEDERAL #43-18-10-18
SECTION 18, T10S, R18E, S.L.B.&M.
2049' FSL 464' FEL



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

TOPOGRAPHIC
MAP

06	16	08
MONTH	DAY	YEAR

SCALE: 1" = 1000' DRAWN BY: DP. REVISED: 00-00-00





September 1, 2006

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

Attn: Minerals Department

Re: All Wells
Uintah and Duchesne Counties, Utah

Ladies and Gentlemen:

This letter is to inform you that Permitco, Inc. and Shon McKinnon are authorized to act as Agent and to sign or retrieve documents on behalf of Gasco Production Company, a wholly owned subsidiary of Gasco Energy, Inc. when necessary for filing county, state and federal permits including Onshore Order No. 1, Right of Way applications, etc., for the above mentioned wells.

It should be understood that Permitco, Inc. and Shon McKinnon are acting as Agent only in those matter stated above and are not responsible for drilling, completion, production or compliance with regulations.

Gasco Production Company agrees to accept full responsibility for operations conducted in order to drill, complete and produce the above mentioned wells.

Yours very truly,

A handwritten signature in black ink, appearing to read "Mark A. Erickson".

Mark A. Erickson
President and CEO

Handwritten initials "MKD" enclosed in a hand-drawn circle.

GASCO PRODUCTION COMPANY
WILKIN RIDGE FEDERAL #43-18-10-18
 LOCATED IN UTAH COUNTY, UTAH
 SECTION 18, T10S, R18E, S.L.B.&M.

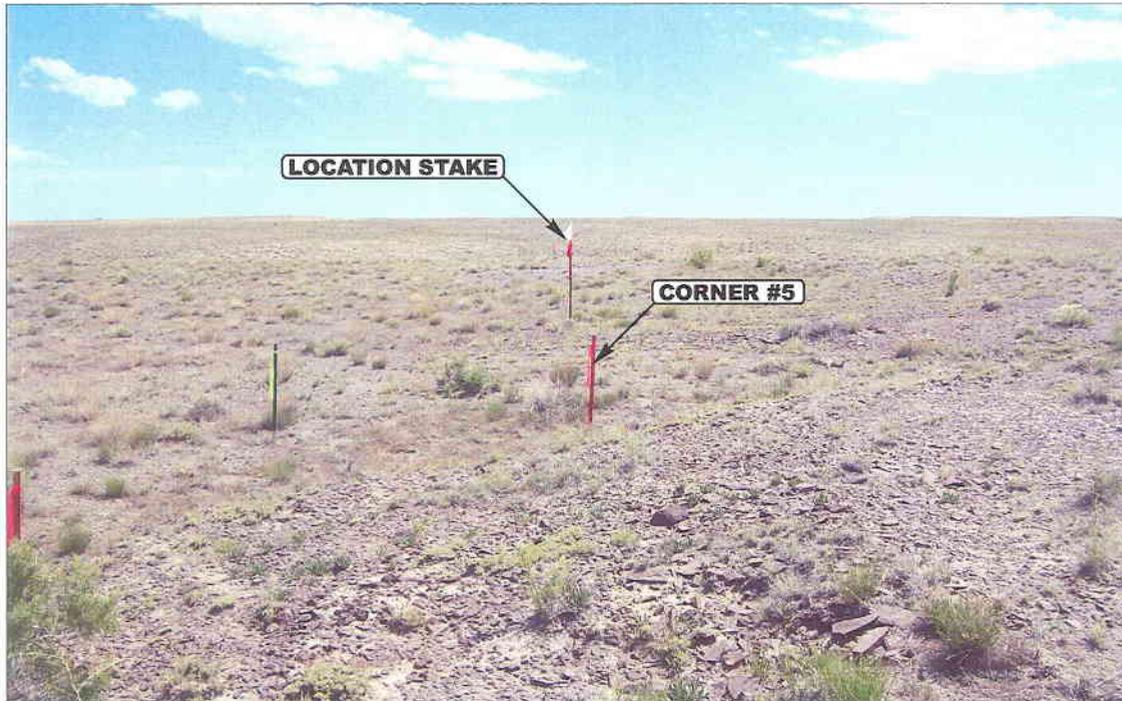


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

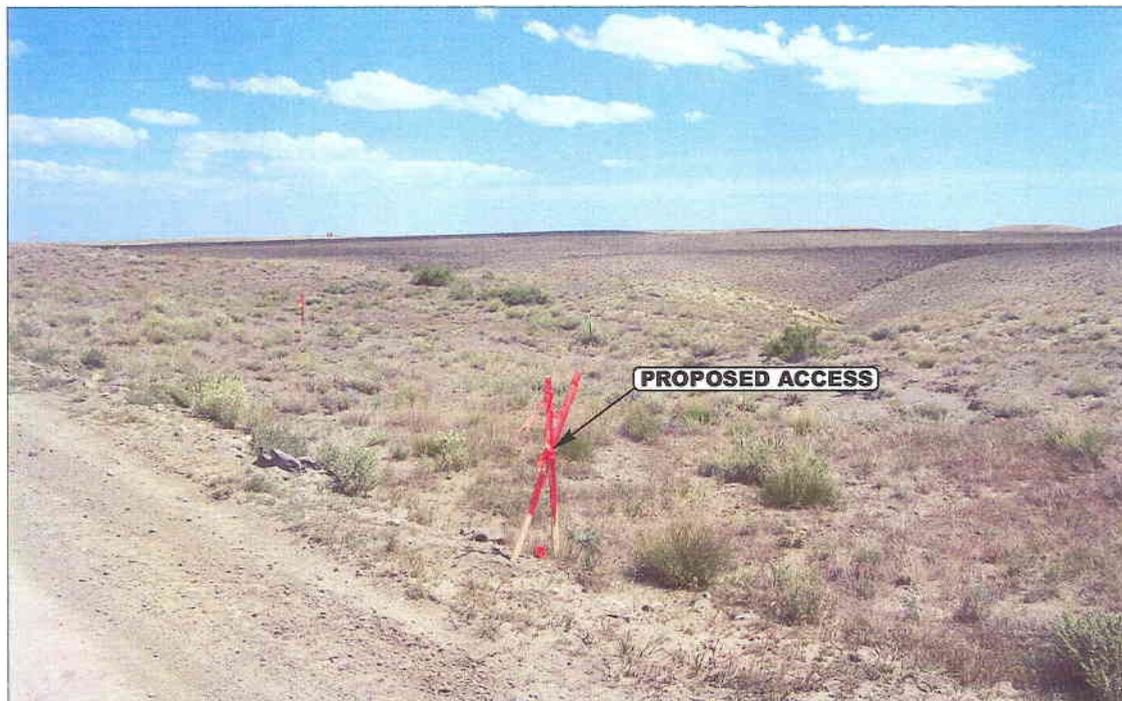


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

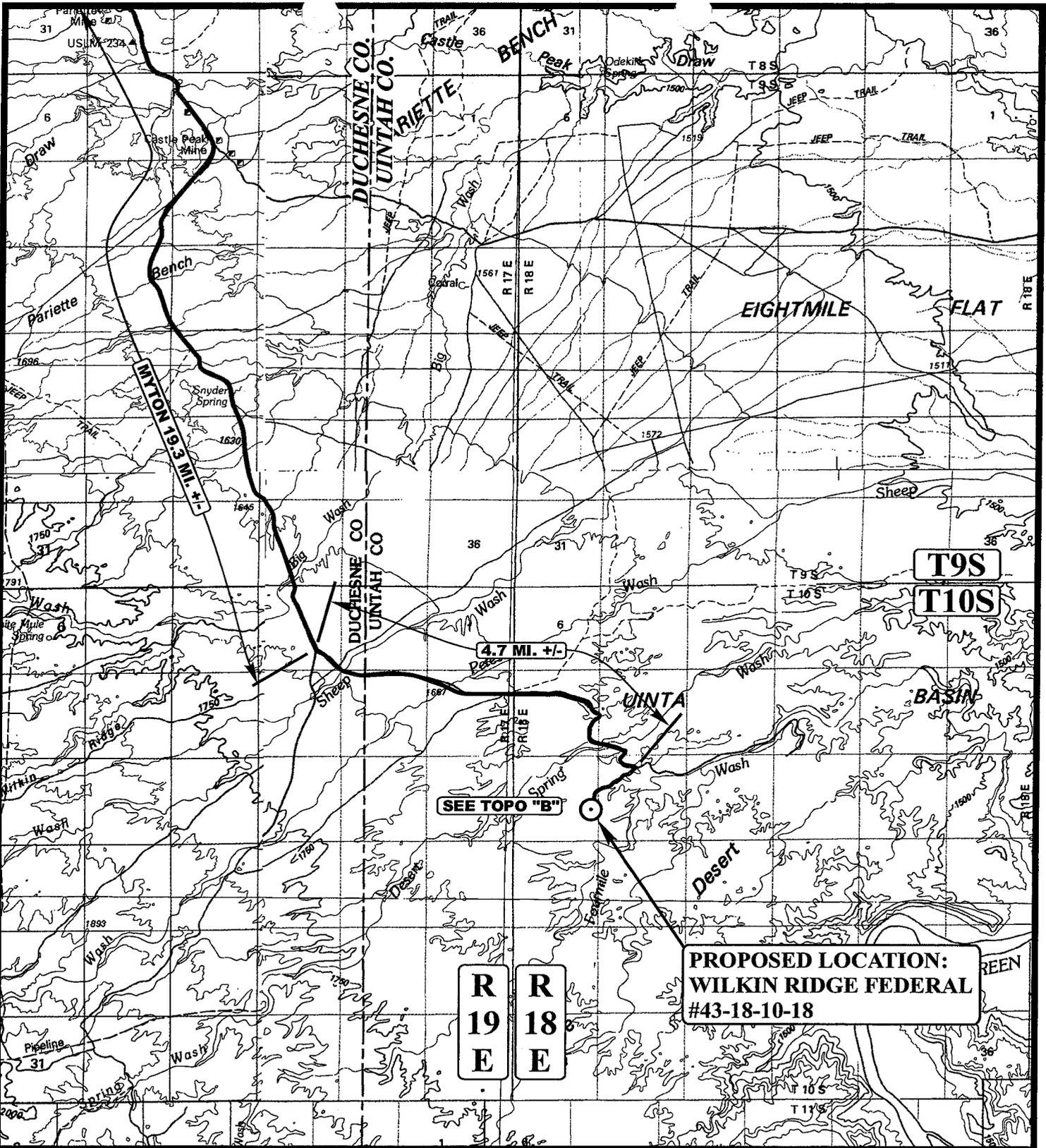
CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

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

LOCATION PHOTOS	06	16	08	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: J.W.	DRAWN BY: D.P.		REVISED: 00-00-00	



LEGEND:

⊙ PROPOSED LOCATION



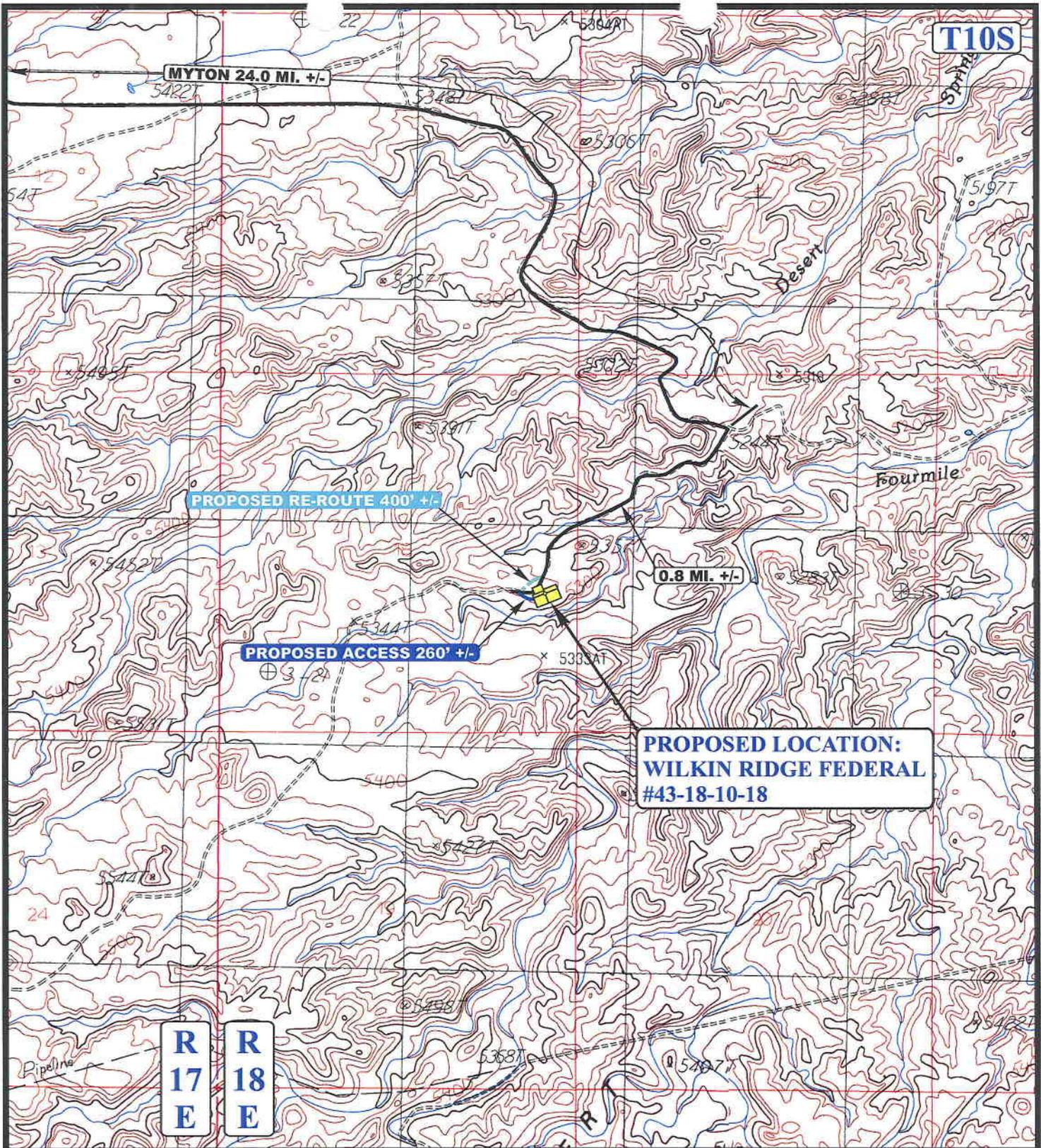
GASCO PRODUCTION COMPANY

WILKIN RIDGE FEDERAL #43-18-10-18
SECTION 18, T10S, R18E, S.L.B.&M.
2049' FSL 464' FEL

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

TOPOGRAPHIC MAP 06 16 08
 MONTH DAY YEAR
 SCALE: 1 : 100,000 DRAWN BY: D.P. REVISED: 00-00-00





LEGEND:

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD
-  PROPOSED ROAD RE-ROUTE



GASCO PRODUCTION COMPANY

WILKIN RIDGE FEDERAL #43-18-10-18
SECTION 18, T10S, R18E, S.L.B.&M.
2049' FSL 464' FEL

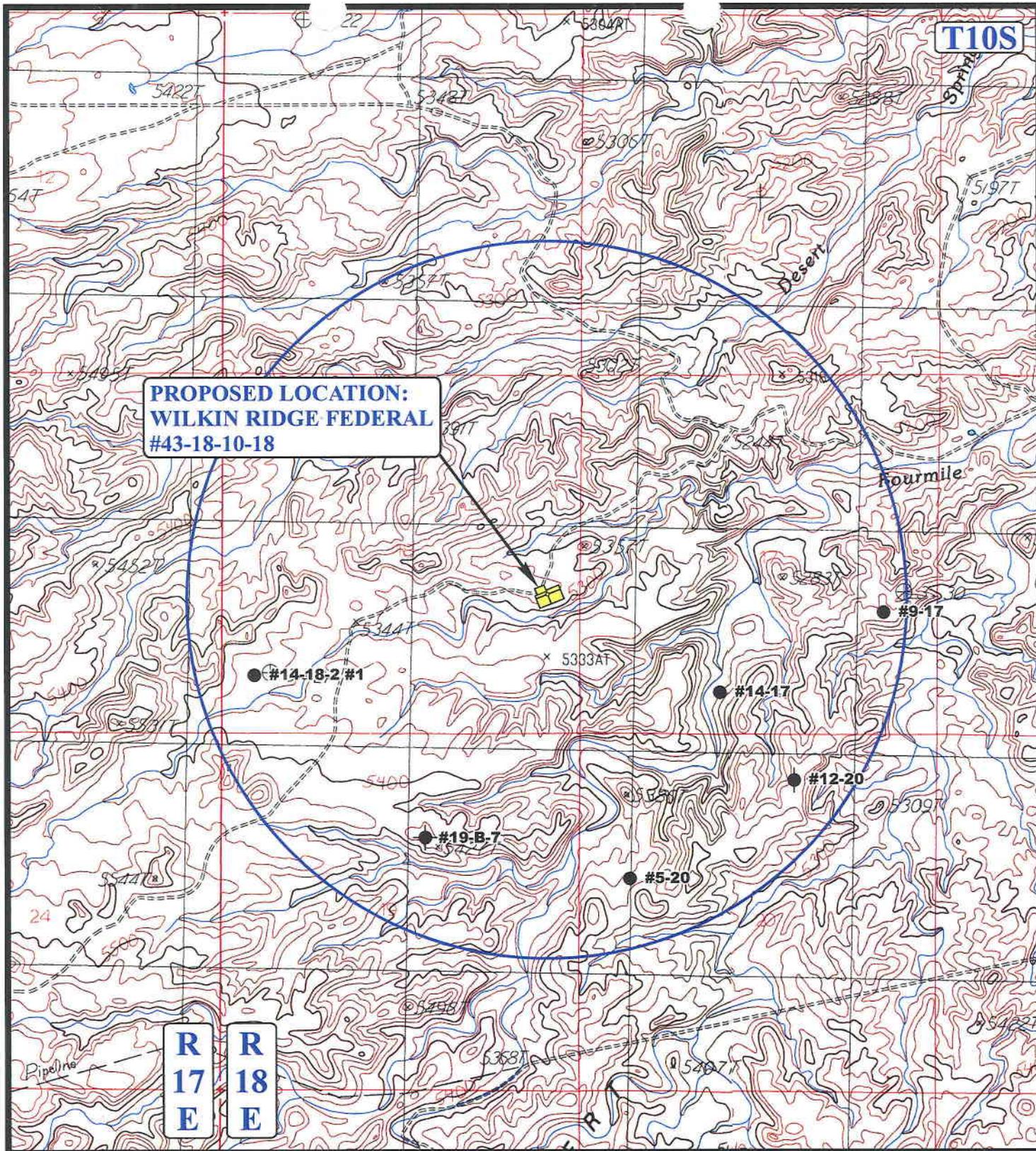


Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP **06 16 08**
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: D.P. REVISED: 00-00-00





**PROPOSED LOCATION:
WILKIN RIDGE FEDERAL
#43-18-10-18**

LEGEND:

- ⊘ DISPOSAL WELLS
- PRODUCING WELLS
- ⊖ SHUT IN WELLS
- ⊘ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



GASCO PRODUCTION COMPANY

**WILKIN RIDGE FEDERAL #43-18-10-18
SECTION 18, T10S, R18E, S.L.B.&M.
2049' FSL 464' FEL**



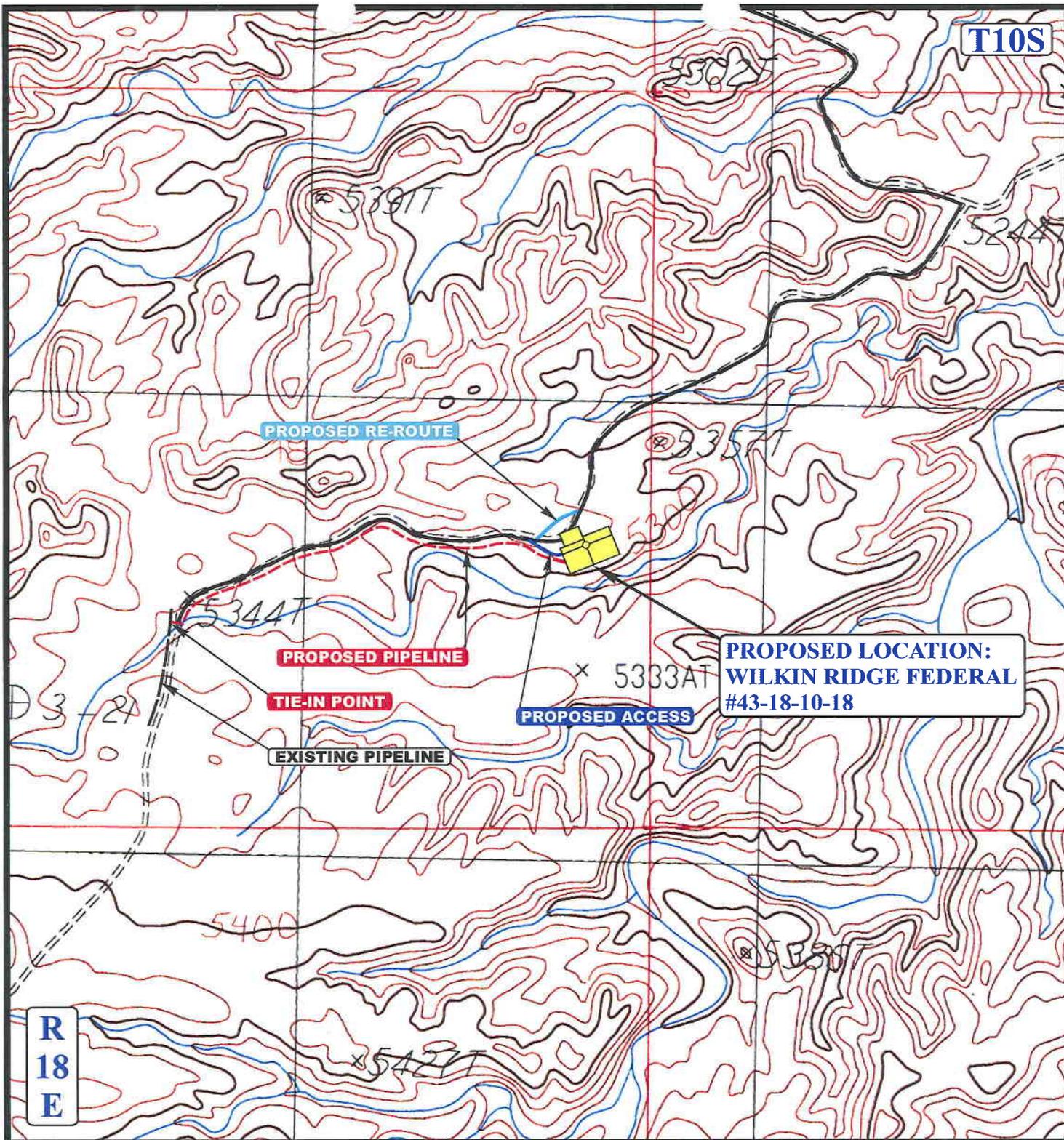
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP

06 16 08
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: D.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 3082' +/-

LEGEND:

-  PROPOSED ACCESS ROAD
-  PROPOSED ROAD RE-ROUTE
-  EXISTING PIPELINE
-  PROPOSED PIPELINE



GASCO PRODUCTION COMPANY

WILKIN RIDGE FEDERAL #43-18-10-18
SECTION 18, T10S, R18E, S.L.B.&M.
2049' FSL 464' FEL



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

TOPOGRAPHIC **06 16 08**
MAP MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: D.P. REVISED: 00-00-00



GASCO PRODUCTION COMPANY

LOCATION LAYOUT FOR

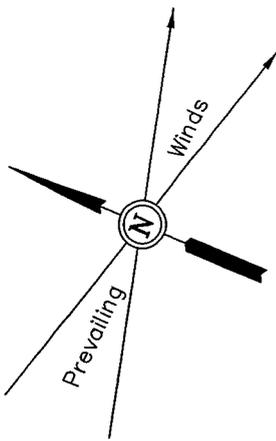
WILKIN RIDGE FEDERAL #43-18-10-18

SECTION 18, T10S, R18E, S.L.B.&M.

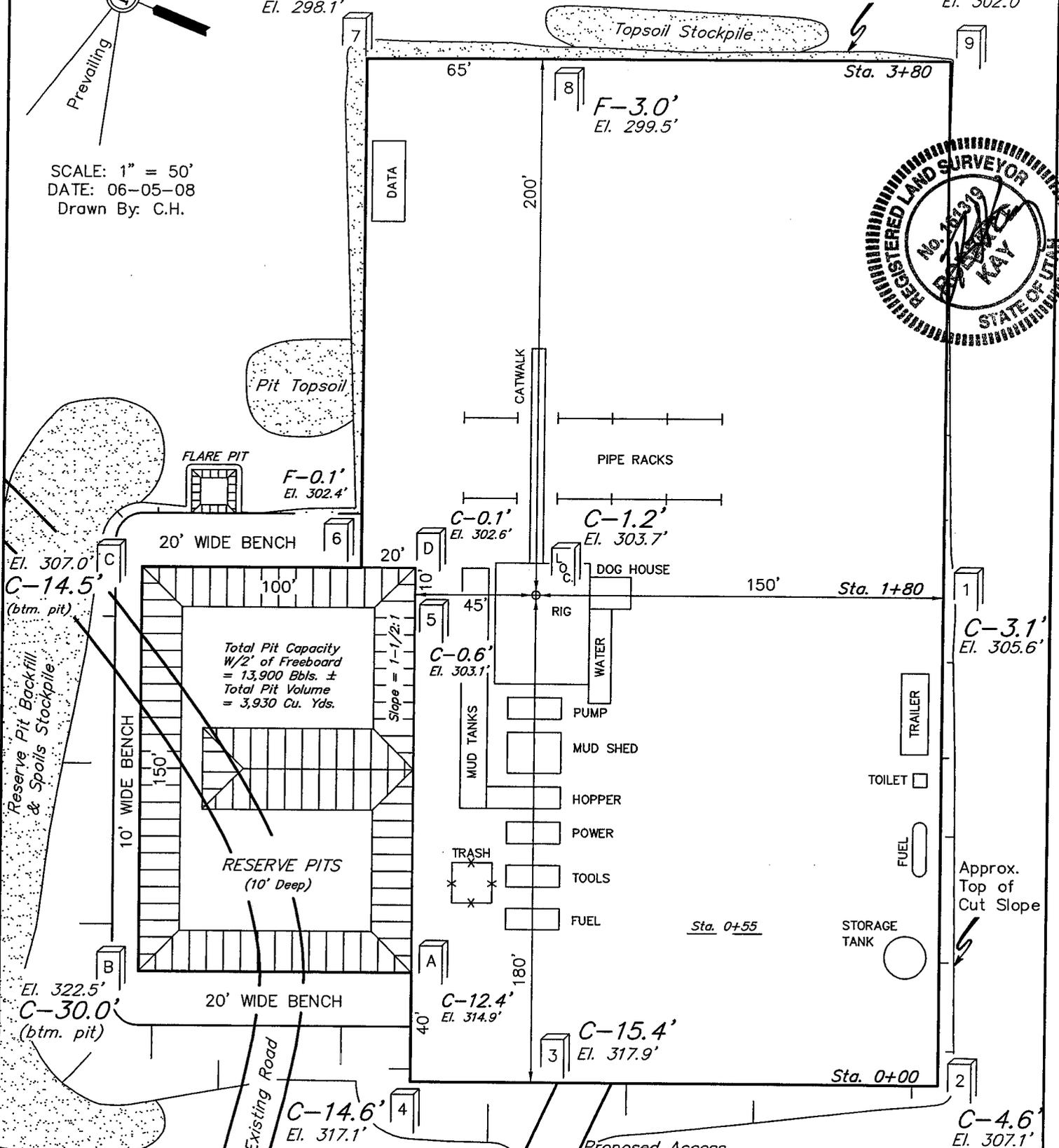
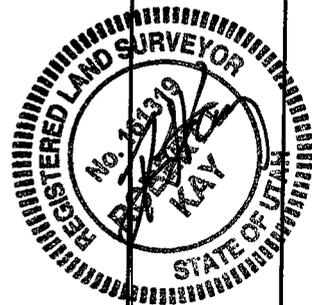
2049' FSL 464' FEL

Approx.
Toe of
Fill Slope

F-0.5'
El. 302.0'



SCALE: 1" = 50'
DATE: 06-05-08
Drawn By: C.H.



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

Slope = 1-1/2:1

Elev. Ungraded Ground at Location Stake = 5303.7'
Elev. Graded Ground at Location Stake = 5302.5'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

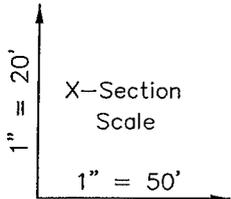
GASCO PRODUCTION COMPANY

TYPICAL CROSS SECTIONS FOR

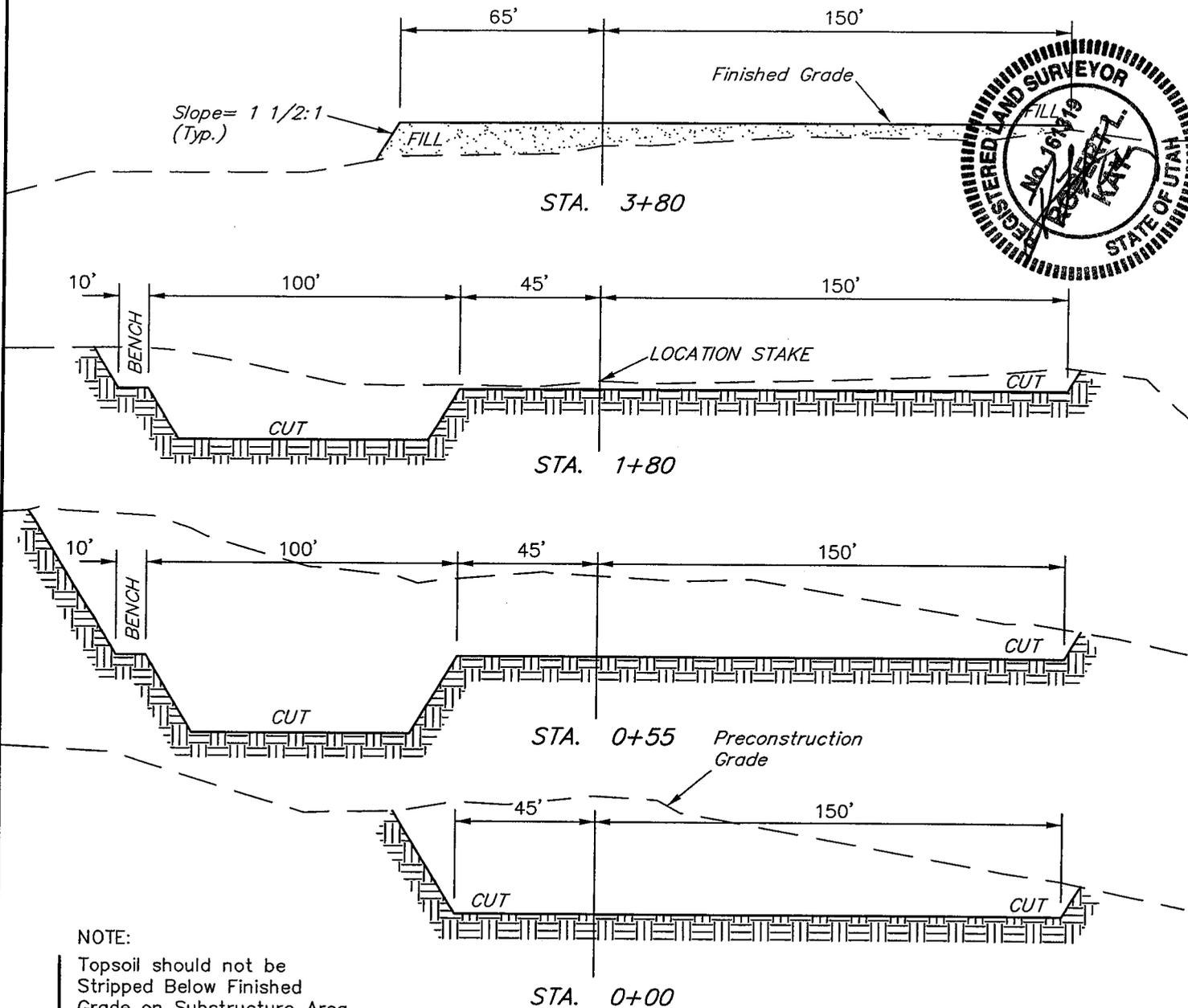
WILKIN RIDGE FEDERAL #43-18-10-18

SECTION 18, T10S, R18E, S.L.B.&M.

2049' FSL 464' FEL



DATE: 06-05-08
Drawn By: C.H.



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	=	2,150 Cu. Yds.
Remaining Location	=	20,190 Cu. Yds.
TOTAL CUT	=	22,340 CU.YDS.
FILL	=	2,590 CU.YDS.

EXCESS MATERIAL	=	19,750 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	4,120 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	=	15,630 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (801) 789-1017

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/12/2009

API NO. ASSIGNED: 43-047-40488

WELL NAME: WILKIN RIDGE FED 43-18-10-18
 OPERATOR: GASCO PRODUCTION (N2575)
 CONTACT: VENESSA LANGMACHER

PHONE NUMBER: 303-857-9999

PROPOSED LOCATION:

NESE 18 100S 180E
 SURFACE: 2049 FSL 0464 FEL
 BOTTOM: 2049 FSL 0464 FEL
 COUNTY: UINTAH
 LATITUDE: 39.94229 LONGITUDE: -109.9277
 UTM SURF EASTINGS: 591615 NORTHINGS: 4421692
 FIELD NAME: UTELAND BUTTE (695)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-74971
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: DKTA
 COALBED METHANE WELL? NO

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. 43-1721)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: WILKIN RIDGE DEEP
- 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: _____

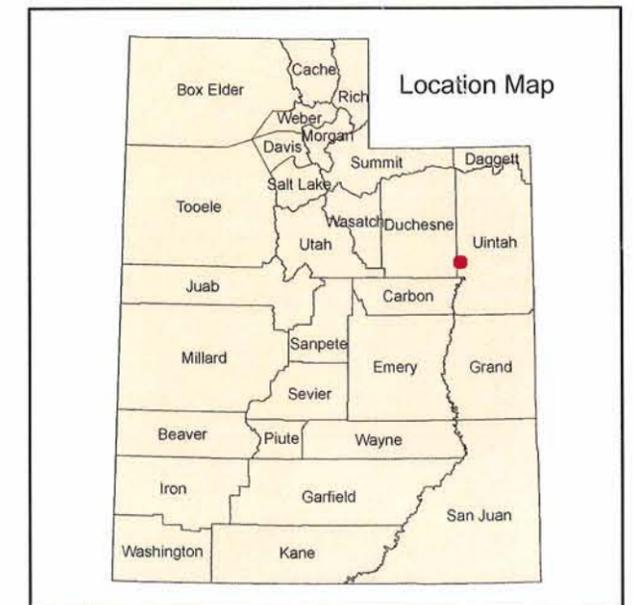
STIPULATIONS: _____

*1- Federal Approval
2- Spacing Strip*

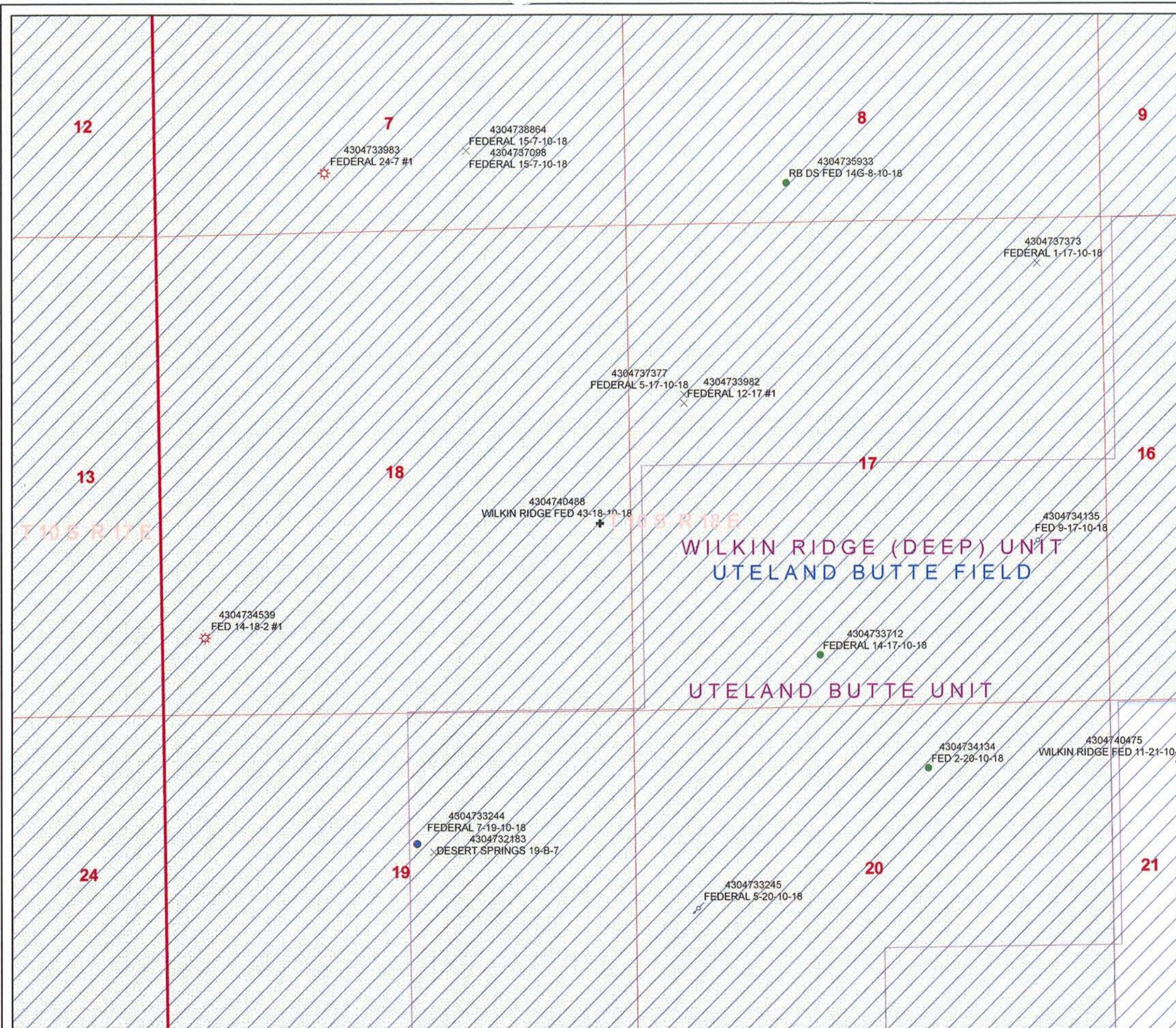
API Number: 4304740488
Well Name: WILKIN RIDGE FED 43-18-10-18
 Township 10.0 S Range 18.0 E Section 18
Meridian: SLBM
 Operator: GASCO PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

Units	Wells Query Events
STATUS	✕ <all other values>
ACTIVE	GIS_STAT_TYPE
EXPLORATORY	<Null>
GAS STORAGE	◆ APD
NF PP OIL	⊙ DRL
NF SECONDARY	⊙ GI
PI OIL	⊙ GS
PP GAS	⊙ LA
PP GEOTHERML	⊕ NEW
PP OIL	⊙ OPS
SECONDARY	⊙ PA
TERMINATED	⊙ PGW
Fields	⊙ POW
STATUS	⊙ RET
ACTIVE	⊙ SGW
COMBINED	⊙ SOW
Sections	⊙ TA
Township	⊙ TW
	⊙ WD
	⊙ WI
	⊙ WS



1:13,661





GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

March 18, 2010

Gasco Production Company
8 Inverness Drive East, Suite 100
Englewood, CO 80112

Subject: Wilkin Ridge Federal 43-18-10-18 Well, 2049' FSL, 464' FEL, NE SE, Sec. 18,
T. 10 South, R. 18 East, Uintah County, Utah

Ladies and Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40488.

Sincerely,

Gil Hunt
Associate Director

GLH/js
Enclosures

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



Operator: Gasco Production Company
Well Name & Number Wilkin Ridge Federal 43-18-10-18
API Number: 43-047-40488
Lease: UTU-74971

Location: NE SE Sec. 18 T. 10 South R. 18 East

Conditions of Approval

1. General

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

2. Notification Requirements

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

- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please let a voicemail message if not available)
- OR
- Submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at <http://oilgas.ogm.utah.gov>

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

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

3. Reporting Requirements

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

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

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

5. 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires July 31, 2010

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-74971
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Gasco Production Company		7. If Unit or CA Agreement, Name and No. Wilkin Ridge
303/483-0044 8 Inverness Drive East, Suite 100 Englewood, CO 80112		8. Lease Name and Well No. Wilkin Ridge Federal #43-18-10-18
3. Name of Agent Permitco Inc. - Agent		9. API Well No. 43 OAT 40488
303/857-9999 P.O. Box 99 Eastlake, CO 80614		10. Field and Pool, or Exploratory Wilkin Ridge
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 2049' FSL and 464' FEL At proposed prod. zone NE SE		11. Sec., T., R., M., or Blk, and Survey or Area Section 18, T10S - R18E
14. Distance in miles and direction from nearest town or post office* Approximately 24.8 miles southeast of Myton, UT		12. County or Parish Uintah
		13. State UT
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 464'	16. No. of Acres in lease 1039.99	17. Spacing Unit dedicated to this well N/A Within Unit
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 4450'	19. Proposed Depth 17,210'	20. BLM/BIA Bond No. on file UT-1233
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5304' GL	22. Approximate date work will start* October 1, 2008	23. Estimated duration 55 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 must be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the BLM. |

CONFIDENTIAL-TIGHT HOLE

25. Signature <i>Venessa Langmacher</i>	Name (Printed/Typed) Venessa Langmacher	Date 8/20/2008
Title Regulatory Supervisor / Agent for Gasco Production Company		
Approved by (Signature) <i>James H. Sparger</i>	Name (Printed/Typed) James H. Sparger	Date MAR 31 2010
Title ACTING Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE	

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

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL 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)

NOS 6-13-2008
AFMSS# 08PP0907A

NOTICE OF APPROVAL

DIV. OF OIL, GAS & MINING

RECEIVED

APR 06 2010

UDOGM



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE**

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	Gasco Production Company	Location:	NESE, Sec. 18, T10S, R18E
Well No:	Wilkin Ridge Federal 43-18-10-18	Lease No:	UTU-74971
API No:	43-047-40488	Agreement:	Wilkin Ridge Unit

OFFICE NUMBER: (435) 781-4400

OFFICE FAX NUMBER: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: ut_vn_opreport@blm.gov .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

**SURFACE USE PROGRAM
 CONDITIONS OF APPROVAL (COAs)**

- All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 gms of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower.
- All and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 gms of NO_x per horsepower-hour.
- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

APD CONDITIONS OF APPROVAL (COAs)

Surface Conditions of Approval or monitoring are listed in the Surface Use Plan of the APDs.

The operator will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites, or other applicable facilities by spraying or mechanical removal. On BLM administered land, it is required that a Pesticide Use Proposal be submitted, approved and a permit issued prior to the application of herbicides, pesticides or possibly hazardous chemicals.

The operator shall construct a low water crossing along the proposed access road in order to maintain existing drainage.

Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the re-spreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt. The following seed mix shall be used:

Type		lbs./acre
Western Wheatgrass	<i>Agropyron smithii</i>	4
Needle and Threadgrass	<i>Stipa comata</i>	4
Hy-crest Crested wheatgrass	<i>Agropyron cristatum</i>	4
** Seed shall be drilled; but if broadcasted double the pounds per acre used and work the solids mechanically to cover the seed.		

Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil re-spread over the surface; and, the surface re-vegetated. The following seed mix shall be used, unless BLM personnel determine that conditions have changed and another mix will be more suitable:

Type		lbs./acre
Shadscale	<i>Atriplex confertifolia</i>	3
Winterfat	<i>Eurotia lanata</i>	3
Galleta grass	<i>Hilaria jamesil</i>	3
Indian Rice Grass	<i>Oryzopsis hymenoides</i>	3
** Seed shall be drilled; but if broadcasted double the pounds per acre used and work the solids mechanically to cover the seed.		

**DOWNHOLE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

SITE SPECIFIC DOWNHOLE COAs:

- BOPE requirement for drilling production casing segment of wellbore is for a BOP 10m system. The operator is required to use '10,000' psi annular preventer for the specified BOP 10M system.
- Production casing (4.5") cement shall be brought up and into the surface casing (9 5/8"). The minimum cement top is 6000 ft, which is above the surface casing shoe (9 5/8"). COA specification is consistent with operators performance standard stated in APD.
- A Gamma Ray well Log shall be run from the well Total Depth to the surface. A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion

Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers 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 shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74971
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: WILKIN RIDGE DEEP
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: WILKIN RIDGE FED 43-18-10-18
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	9. API NUMBER: 43047404880000
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	PHONE NUMBER: 303 483-0044 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2049 FSL 0464 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 18 Township: 10.0S Range: 18.0E Meridian: S	9. FIELD and POOL or WILDCAT: UTELAND BUTTE COUNTY: UINTAH STATE: UTAH

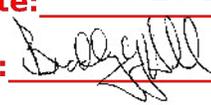
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/18/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input checked="" type="checkbox"/> APD EXTENSION OTHER: <input style="width: 50px;" type="text"/>

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

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

Date: 03/23/2011

By: 

NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor
SIGNATURE N/A	DATE 3/17/2011	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047404880000

API: 43047404880000

Well Name: WILKIN RIDGE FED 43-18-10-18

Location: 2049 FSL 0464 FEL QTR NESE SEC 18 TWP 100S RNG 180E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 3/18/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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

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

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

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

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

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

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

Signature: Roger Knight

Date: 3/17/2011

Title: EHS Supervisor **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	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
1. TYPE OF WELL Gas Well	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74971
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	7. UNIT or CA AGREEMENT NAME: WILKIN RIDGE DEEP
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2049 FSL 0464 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 18 Township: 10.0S Range: 18.0E Meridian: S	8. WELL NAME and NUMBER: WILKIN RIDGE FED 43-18-10-18
PHONE NUMBER: 303 483-0044 Ext	9. API NUMBER: 43047404880000
9. FIELD and POOL or WILDCAT: UTELAND BUTTE	COUNTY: UINTAH
	STATE: UTAH

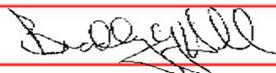
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/18/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

Date: March 15, 2012

By: 

NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor
SIGNATURE N/A	DATE 3/15/2012	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047404880000

API: 43047404880000

Well Name: WILKIN RIDGE FED 43-18-10-18

Location: 2049 FSL 0464 FEL QTR NESE SEC 18 TWNP 100S RNG 180E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 3/18/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Signature: Roger Knight

Date: 3/15/2012

Title: EHS Supervisor Representing: GASCO PRODUCTION COMPANY

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

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

MAR 28 2012

BLM

5. Lease Serial No.
UTU74971

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
UTU81153X

8. Well Name and No.
WILKIN RIDGE FEDERAL 43-18-10-18

9. API Well No.
43-047-40488-00-X1

10. Field and Pool, or Exploratory
WILKIN RIDGE

11. County or Parish, and State
UINTAH COUNTY, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
GASCO PRODUCTION COMPANY Contact: JESSICA BERG
E-Mail: jberg@gascoenergy.com

3a. Address
8 INVERNESS DRIVE EAST, SUITE 100
ENGLEWOOD, CO 80112-5625

3b. Phone No. (include area code)
Ph: 303-996-1805

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 18 T10S R18E NESE 2049FSL 464FEL

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

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

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

GASCO REQUESTS A 2 YEAR EXTENSION FROM THE DATE THIS PERMIT IS DUE TO EXPIRE, 4/1/2012.

VERNAL FIELD OFFICE
ENG. RH 5/10/12
GEOL. _____
E.S. _____
PET. _____
RECI

CONDITIONS OF APPROVAL ATTACHED

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

Electronic Submission #134142 verified by the BLM Well Information System
For GASCO PRODUCTION COMPANY, sent to the Vernal
Committed to AFMSS for processing by ROBIN R. HANSEN on 05/08/2012 (12RRH2924SE)

Name (Printed/Typed) JESSICA BERG Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission) Date 03/28/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By [Signature] Title Assistant Field Manager
Lands & Mineral Resources MAY 14 2012 Date

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

Office VERNAL FIELD OFFICE

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

UDOGM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REV.

JUN 11 2012

CONDITIONS OF APPROVAL

Gasco Production Company

Notice of Intent APD Extension

Lease: UTU-74971
Well: Wilkin Ridge Federal 43-18-10-18
Location: NESE Sec 18-T10S-R18E

An extension for the referenced APD is granted only to 10/30/2013 and not to 03/31/2014 as requested with the following conditions:

1. The extension and APD shall expire on 10/30/2013.
2. No other extension shall be granted.

The well specific NEPA was a Categorical Exclusion reference Section 390 of the Energy Policy Act of 2005 with a five year spud date condition based upon the signature date of the EIS which was on 10/30/2008.

If you have any other questions concerning this matter, please contact Robin L Hansen of this office at (435) 781-2777



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101

<http://www.blm.gov/ut/st/en.html>



RECEIVED
FEB 07 2013
DIV. OF OIL, GAS & MINING

FEB 05 2013

IN REPLY REFER TO:
3180 (UTU81153X)
UT-922000

Ms. Frankie L. Martinez
Gasco Energy, Inc.
7979 East Tufts Avenue, Suite 1150
Denver, Colorado 80237

Re: Automatic Contraction
Wilkin Ridge (Deep) Unit
Uintah and Duchesne Counties, Utah

Dear Ms. Martinez:

Your letter of January 24, 2013, describes the lands automatically eliminated effective September 17, 2012, from the Wilkin Ridge (Deep) Unit Area, Uintah and Duchesne Counties, Utah, pursuant to Section 2(e) of the unit agreement and requests our concurrence. The lands you have described contain 44,447.23 acres, more or less, and constitute all legal subdivisions, no parts of which are included in the Wilkin Ridge (Deep) Participating Areas "A" and "B". As a result of the automatic contraction, the unit is reduced to 480.00 acres.

The following Federal Leases are entirely eliminated from the unit area:

UTU56947	UTU75084	UTU77063	UTU88144
UTU68387	UTU75085	UTU78214	UTU88204
UTU68620*	UTU75086	UTU78215	
UTU74400	UTU75087	UTU78216	
UTU74401	UTU75088	UTU80950	
UTU74402	UTU75235	UTU81003*	
UTU74403	UTU75236	UTU81706*	
UTU74407	UTU75514	UTU82704	
UTU74408	UTU75515	UTU82705	
UTU74836	UTU75672	UTU84262	Tract No. 43 UNLEASED*
UTU74968	UTU76031	UTU84263	
UTU74971	UTU76032	UTU84264	
UTU75079	UTU76256	UTU84265	
UTU75080	UTU76258	UTU88068	
UTU75081	UTU76716	UTU88069	
UTU75082	UTU76717	UTU88072	

*Indicates non-committed lease

The following Federal Leases are partially eliminated from the unit area:

UTU65632

UTU75083

You have complied with the requirements of Section 2(e), provided you promptly notify all interested parties. If you have any questions, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,



Roger L. Bankert
Chief, Branch of Minerals

Enclosure

cc: UDOGM
SITLA
ONRR w/Exhibit "B" (Attn: Nancy McCarthy)
(UTG01) BLM FOM - Vernal w/enclosure

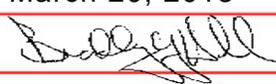
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-74971
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR:	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: _____ PHONE NUMBER: _____ _____ Ext	8. WELL NAME and NUMBER: WILKIN RIDGE FED 43-18-10-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2049 FSL 0464 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 18 Township: 10.0S Range: 18.0E Meridian: S	9. API NUMBER: 43047404880000
	9. FIELD and POOL or WILDCAT: UTELAND BUTTE
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/18/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

Date: March 20, 2013
 By: 

NAME (PLEASE PRINT) Roger Knight	PHONE NUMBER 303 996-1803	TITLE EHS Supervisor
SIGNATURE N/A	DATE 3/14/2013	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43047404880000

API: 43047404880000

Well Name: WILKIN RIDGE FED 43-18-10-18

Location: 2049 FSL 0464 FEL QTR NESE SEC 18 TWNP 100S RNG 180E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 3/18/2010

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No
- Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No
- Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No
- Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location? Yes No
- Has the approved source of water for drilling changed? Yes No
- Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No
- Is bonding still in place, which covers this proposed well? Yes No

Signature: Roger Knight

Date: 3/14/2013

Title: EHS Supervisor Representing: GASCO PRODUCTION COMPANY



United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Green River District
Vernal Field Office
170 South 500 East
Vernal, UT 84078

<http://www.blm.gov/ut/st/en/fo/vernal.html>

November 18, 2013

IN REPLY REFER TO:
3160 (UTG011)

Tom Rogers
Gasco Production Company
7979 Tufts Ave., Suite 1150
Denver, CO 80237

43 0A7 40488

Re: Notice of Expiration
Well No. Wilkin Ridge Fed 43-18-10-18
NESE, Sec. 18, T10S, R18E
Uintah County, Utah
Lease No. UTU-74971

Dear Mr. Rogers:

The Application for Permit to Drill (APD) for the above-referenced well was approved on March 31, 2010. A two (2) year extension of the original APD was requested. The request was reviewed and the extension approved until October 30, 2013. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka
Assistant Field Manager
Lands & Mineral Resources

cc: UDOGM

bcc: Well File
I&E Asst.

RECEIVED

NOV 29 2013

DIV. OF OIL, GAS & MINING



GARY R. HERBERT
Governor

SPENCER J. COX
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

May 20, 2014

Gasco Production Company
7979 Tufts Ave., Suite 1150
Denver, CO 80237

Re: APD Rescinded – Wilkin Ridge Fed 43-18-10-18, Sec. 18, T.10S, R.18E,
Uintah County, Utah API No. 43-047-40488

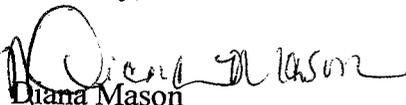
Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on March 18, 2010. On March 23, 2011, March 15, 2012 and March 20, 2013 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 May 20, 2014.

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