

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER Federal 333-30-9-19							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT PARIETTE BENCH							
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME							
6. NAME OF OPERATOR GASCO PRODUCTION COMPANY						7. OPERATOR PHONE 303 483-0044							
8. ADDRESS OF OPERATOR 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112						9. OPERATOR E-MAIL jlongwell@gascoenergy.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) utu37246			11. MINERAL OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')							
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		1990 FSL 659 FEL		NESE		30		9.0 S		19.0 E		S	
Top of Uppermost Producing Zone		1836 FSL 1991 FEL		NWSE		30		9.0 S		19.0 E		S	
At Total Depth		1836 FSL 1991 FEL		NWSE		30		9.0 S		19.0 E		S	
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1836			23. NUMBER OF ACRES IN DRILLING UNIT 600							
27. ELEVATION - GROUND LEVEL 4810			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1332			26. PROPOSED DEPTH MD: 12930 TVD: 12735							
28. BOND NUMBER ut1233			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 41-3530										
<b>Hole, Casing, and Cement Information</b>													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement		Sacks	Yield	Weight		
Cond	17.5	13.375	0 - 100	48.0	H-40 ST&C	8.3	50/50 Poz		110	1.31	14.3		
Surf	12.25	8.625	0 - 2500	28.0	J-55 ST&C	9.0	Premium Lite High Strength Class G		415	3.21	11.0		
Prod	7.875	4.5	0 - 1400	11.6	HCP-110 LT&C	11.6	Premium Lite High Strength		550	2.26	12.0		
			1400 - 12200	11.6	HCP-110 LT&C	11.6	50/50 Poz		1530	1.31	14.3		
			12200 - 12930	13.5	HCP-110 LT&C	11.6	None						
<b>ATTACHMENTS</b>													
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Roger Knight				TITLE EHS Supervisor				PHONE 303 996-1803					
SIGNATURE				DATE 06/26/2012				EMAIL rknight@gascoenergy.com					
API NUMBER ASSIGNED 43047528720000				APPROVAL				 Permit Manager					

**Gasco Production Company**  
**Federal 333-30-9-19**  
**NWSE, Section 30, Township 9 South, Range 19 East**  
**Uintah County, Utah**  
**Lease No. UTU- 37246**

ONSHORE OIL & GAS ORDER NO. 1

**Drilling Program**

**1. Estimated Tops of Important Geological Markers**

<b>Formation</b>	<b>Depth</b>	<b>Subsea</b>
Green River	surface	surface
Wasatch	5220'	-390'
Dark Canyon	9050'	-4220'
Lower Mesaverde	10650'	-5820'
Castlegate	11500'	-6670'
Spring Canyon	12435'	-7605'
TD	12735'	

**2. Estimated Depth of Anticipated Water, Oil, Gas or Mineral Formations**

<b>Substance</b>	<b>Formation</b>	<b>Depth</b>
Gas	Dark Canyon	9050' – 10649'
Gas	Lower Mesaverde	10650' - 11499'
Gas	Spring Canyon	12330' – 12735'

All fresh water and 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**

All well control equipment will be in accordance to Onshore Order No. 2 for 10M Systems and are as follows:

- 10,000# BOP with 4 ½" Pipe Rams
- 10,000# BOP with Blind Rams
- 5,000# Annular

Ram type preventers and associated equipment shall be tested to the 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 on 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.

### **Pressure Control Equipment Continued**

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 that once a day.

A BPOPE 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 RP 53 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 cement plugs.

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

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not yet been chosen to drill this well, most of the equipment for this depth will utilize 10M working BOP.
- b. A choke line and 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 Program

	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Grade</u>	<u>Type</u>
Conductor	100'	17 1/2"	13 3/8"	H-40 #48	STC
Surface	2500'	12 1/4"	8 5/8"	J-55 #28	STC
Production	1400'	7 7/8"	4 1/2"	HCP-110#11.6	BTC
	12,200'	7 7/8"	4 1/2"	HCP-110#11.6	LTC
	12,930'	7 7/8"	4 1/2"	HCP-110#13.5	LTC

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

##### d. Cement Program

	<u>Est. Top of Cement</u>	<u>Sacks/Cement Type</u>	<u>Yield</u>	<u>Supply Wt.</u>	
Conductor	surface	110/ POZ /Ready Mix			
Surface	surface	415/ Premium Lite II	3.21	11.0	Lead
		145 Class G	1.17	15.8	Tail
Production	surface	550/ Premium Lite II	2.26	12.0	Lead
		1530/ 50/50 POZ	1.31	14.3	Tail

e. 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.

f. 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.

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

1. Progress reports, form 3160-5 "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 log must be submitted for each well where the casing cement was not circulated to the surface.

h. Auxiliary equipment to be used is as follows:

1. Kelly cock
2. A bit float
3. A sub with full opening valve.

**5. Drilling Fluids Program:**

<u>Interval</u>	<u>Type</u>	<u>Wt. (ppg)</u>	<u>Viscosity</u>	<u>pH</u>	<u>Water Loss</u>
0-100'	Air Mist	8.33	NA	NA	NA
100'-2500'	Air Mist	9.0	35	NA	NA
2500'-TD	Water Based Mud	8.3 – 11.6		10-10.5	NA

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

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

c. 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.

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

e. Water will come from: Water Right No. 41-3530.

f. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".

g. No water well will be drilled on this lease

**6. Evaluation Program**

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

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

Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer (AO). 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 AO. Closed chamber DST's 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 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 Schlumberger Platform Express (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 no later than 30 days after the 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 tested 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 AO.

e. The anticipated completion program is as follows: Perform multistage fracs and complete all productive zones present in the 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 and Pressures**

a. The expected bottom hole pressure is 7550psig

The maximum bottom hole temperature anticipated is 210 degrees Fahrenheit.

b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 10000# BOP and rotating head.

## **8. Anticipated Starting Dates and Notifications of Operations**

a. Drilling is anticipated to commence immediately upon approval

b. It is anticipated that the drilling of this well will take approximately 25 days.

- c. The Vernal BLM and UDOGM shall be notified of the anticipated date of location construction and 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 to approval from the AO will be obtained and notification given before resuming operations.
- e. The spud date will be reported orally to the AO within 48 hours of spudding. If the spudding occurs on a weekend or holiday, the report will be submitted via voice mail and/or e-mail to the AO.
- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report 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 and UDOGM.
- g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual or undesirable events shall be reported promptly to the AO 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, or 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 on producing status. Written notification, e-mail or otherwise, will be sent no 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 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 test, 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 authorized test period.
- l. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the BLM, Vernal Field Office and UDOGM within 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 commence without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed within 30 days following the completion of the well for abandonment. The report will indicate where plugs were placed and the current

status of the surface restoration. Final abandonment will not be approved until the surface reclamation work has been completed to the satisfaction of the AO.

o. Pursuant to Onshore Oil and Gas Order No.1, lessees and operators have the responsibility of operating in a manner which conforms with the applicable Federal laws and regulations and with the State and local laws and regulations to the extent that such laws are applicable to operations on Federal lands.

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

Phone: (435)781-4400

Fax: (435)781-4410

After Hours:

Michael Lee Petroleum Engineer (435)828-4470

Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84116

Phone 801-538-5340

Fax 801-539-3940

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

**GASCO PRODUCTION COMPANY**

Well location, FEDERAL #333-30-9-19, located as shown in the NE 1/4 SE 1/4 of Section 30, T9S, R19E, S.L.B.&M., Uintah County, Utah.

**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 SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5129 FEET.

**LEGEND:**

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

**FEDERAL #333-30-9-19**  
Elev. Ungraded Ground = 4810'

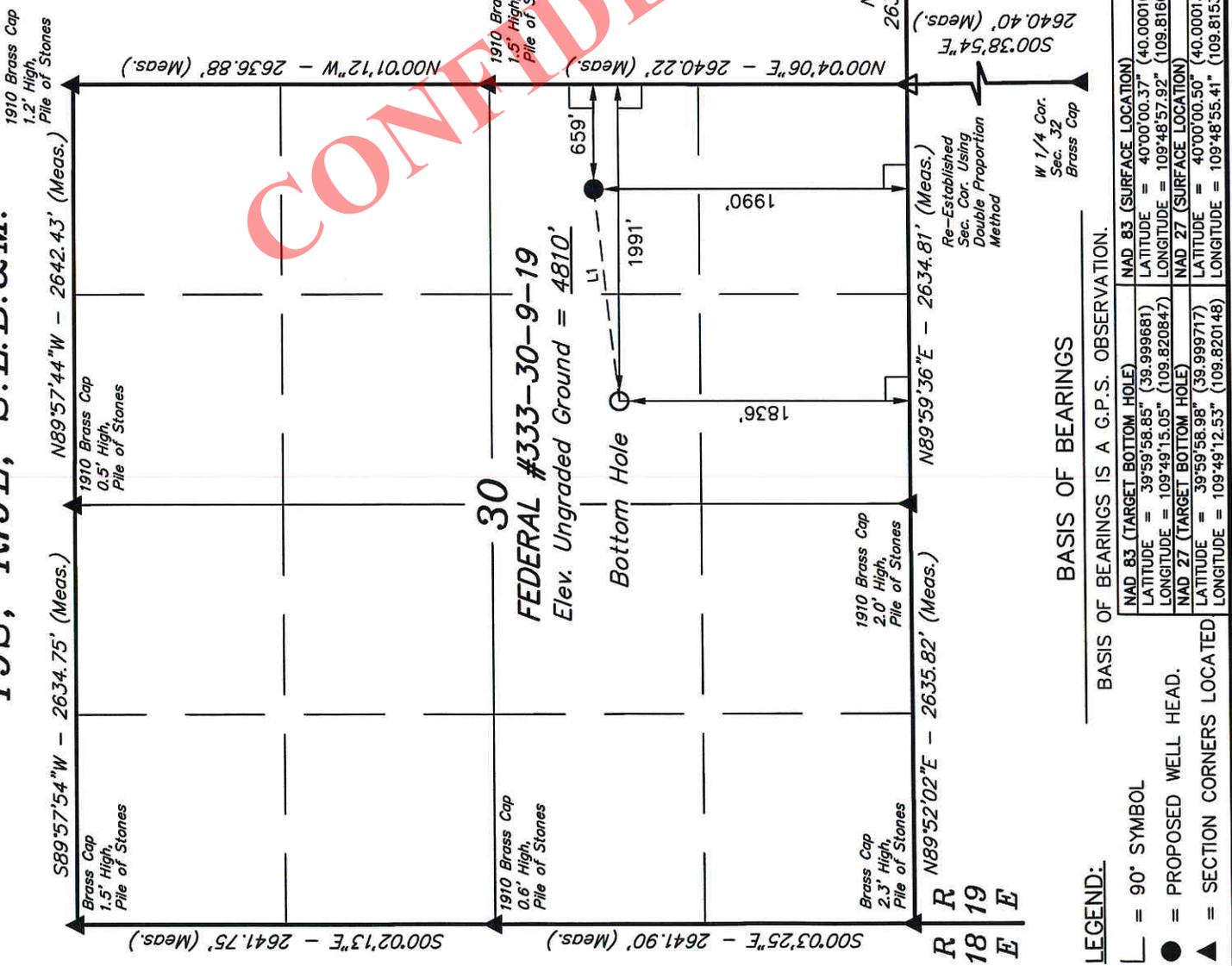


LINE TABLE	
LINE	LENGTH
L1	1341.82'

**CERTIFICATE**

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

*[Signature]*  
REGISTERED LAND SURVEYOR  
STATE OF UTAH  
REGISTRATION NO. 161319  
EXPIRES 03-15-12



REVISED: 03-15-12

<b>UNTAH ENGINEERING &amp; LAND SURVEYING</b>	
85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017	
SCALE 1" = 1000'	DATE SURVEYED: 02-24-12
PARTY J.F. B.S. T.B.	DATE DRAWN: 02-27-12
WEATHER COLD	REFERENCES G.L.O. PLAT
	FILE GASCO PRODUCTION COMPANY

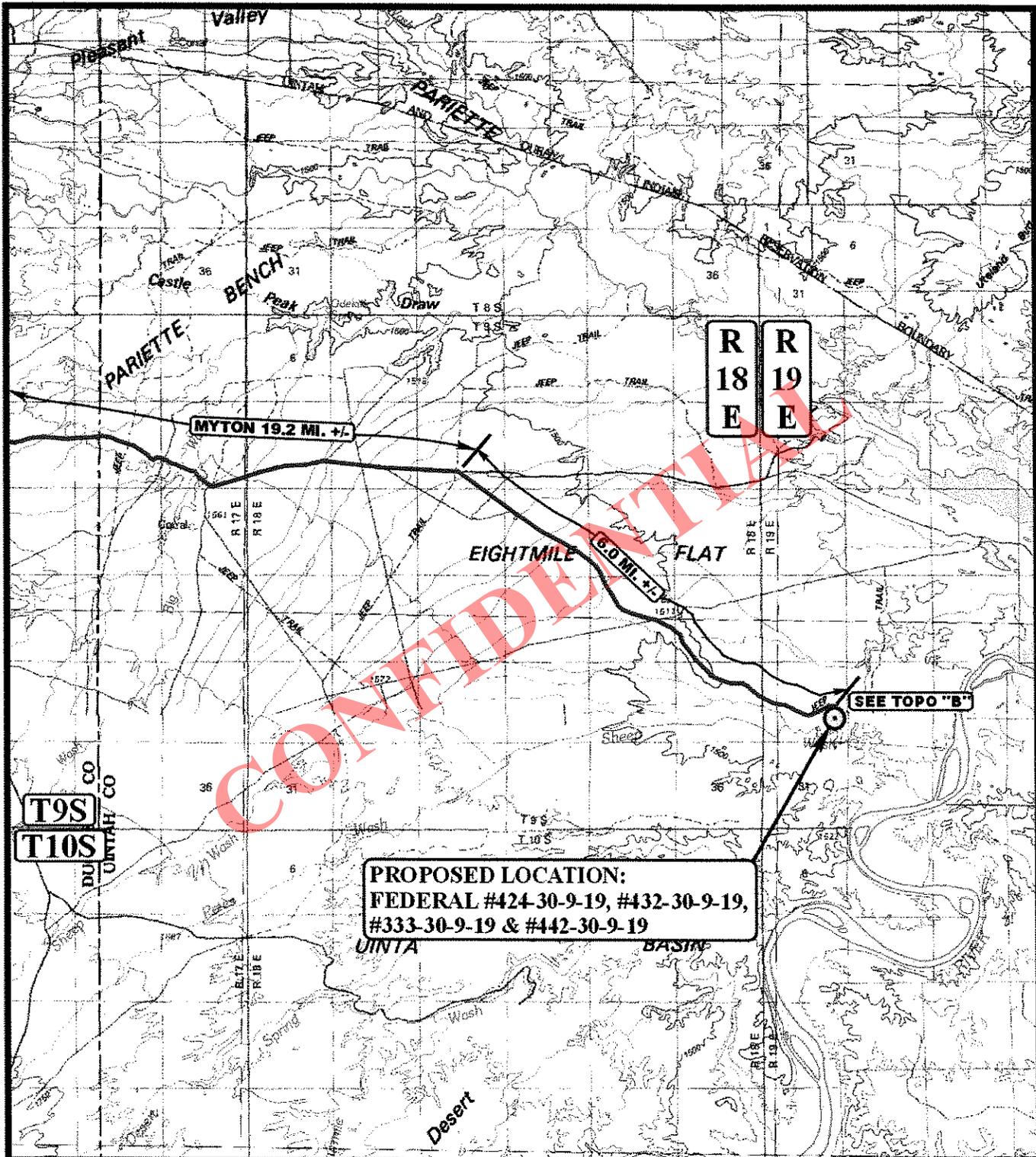
**BASIS OF BEARINGS**

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

**LEGEND:**

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

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 39°59'58.85" (39.999681)	LATITUDE = 40°00'00.37" (40.000103)
LONGITUDE = 109°49'15.05" (109.820847)	LONGITUDE = 109°48'57.92" (109.816089)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 39°59'58.98" (39.999717)	LATITUDE = 40°00'00.50" (40.000139)
LONGITUDE = 109°49'12.53" (109.820148)	LONGITUDE = 109°48'55.41" (109.815392)



**PROPOSED LOCATION:**  
 FEDERAL #424-30-9-19, #432-30-9-19,  
 #333-30-9-19 & #442-30-9-19

**LEGEND:**

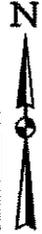
⊙ PROPOSED LOCATION

**GASCO PRODUCTION COMPANY**

FEDERAL #424-30-9-19, #432-30-9-19,  
 #333-30-9-19 & #442-30-9-19  
 SECTION 30, T9S, R19E, S.L.B.&M.  
 NE 1/4 SE 1/4

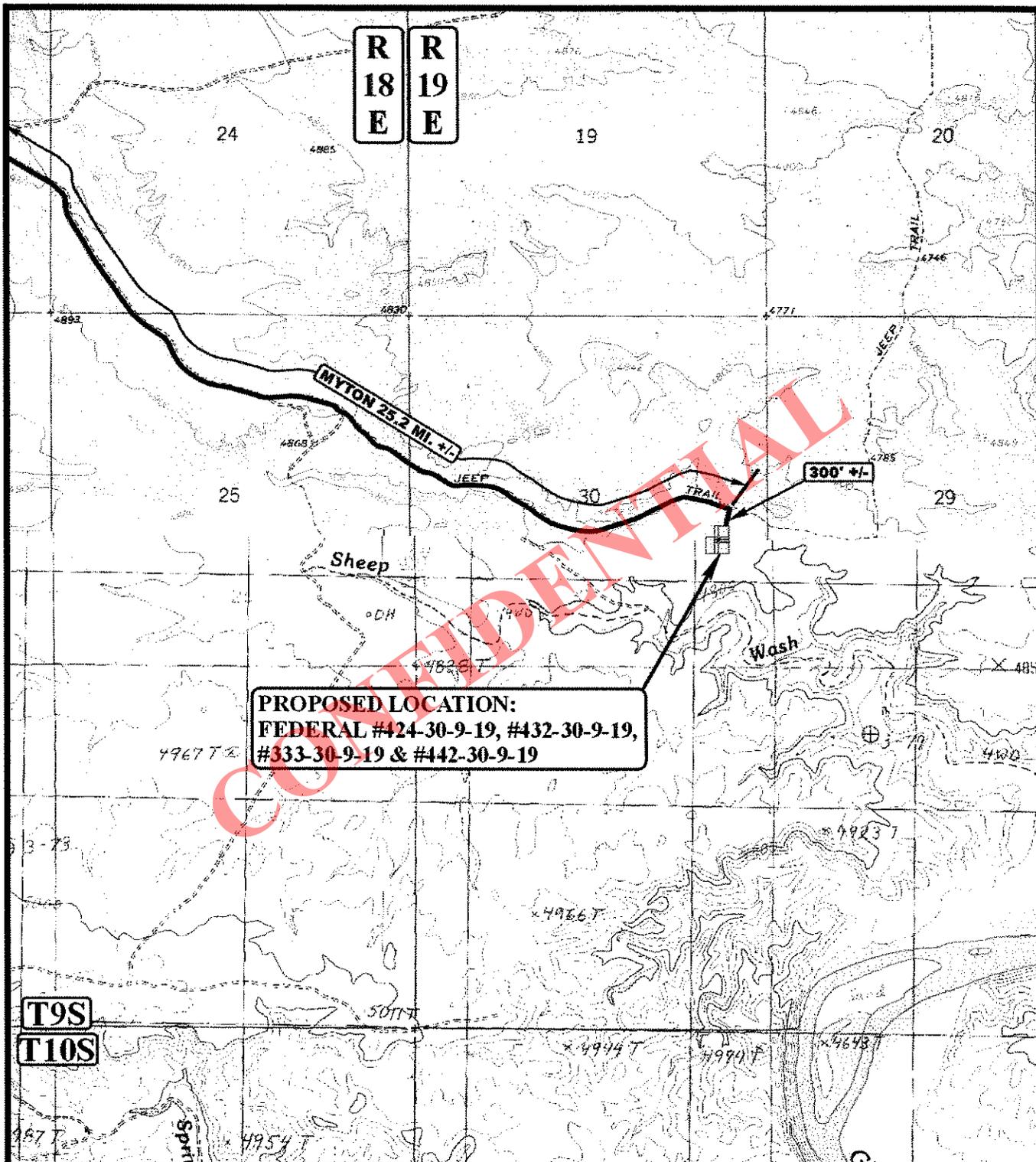


Utah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



ACCESS ROAD MAP  
 02 28 12  
 MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: J.L.H. REVISED: 05-02-12





**PROPOSED LOCATION:**  
 FEDERAL #424-30-9-19, #432-30-9-19,  
 #333-30-9-19 & #442-30-9-19

**LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



**GASCO PRODUCTION COMPANY**

FEDERAL #424-30-9-19, #432-30-9-19,  
 #333-30-9-19 & #442-30-9-19  
 SECTION 30, T9S, R19E, S.L.B.&M.  
 NE 1/4 SE 1/4



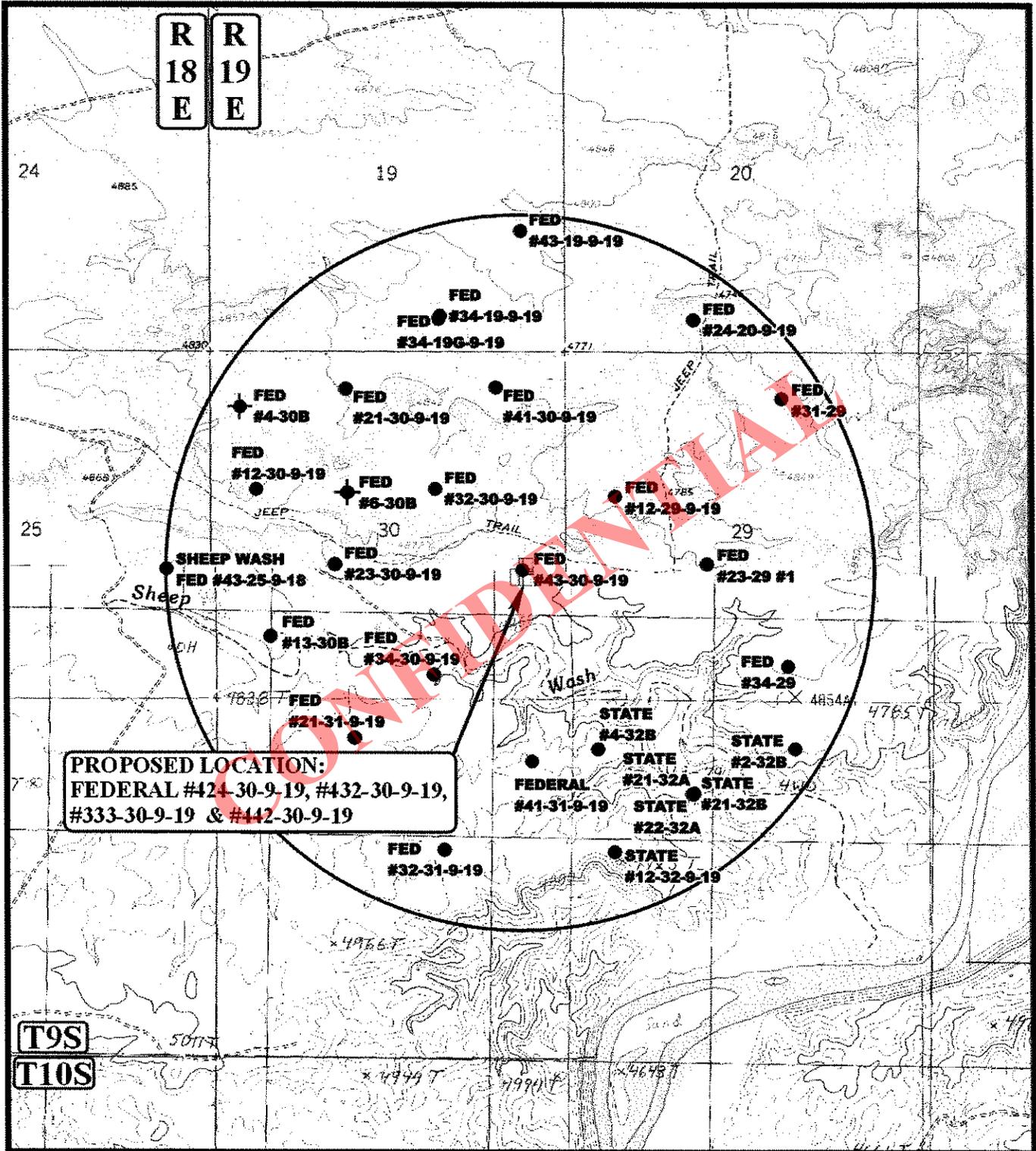
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

ACCESS ROAD  
 MAP

02	28	12
MONTH	DAY	YEAR

**B**  
 TOPO

SCALE: 1" = 2000' DRAWN BY: J.L.H. REVISED: 05-02-12



**PROPOSED LOCATION:**  
 FEDERAL #424-30-9-19, #432-30-9-19,  
 #333-30-9-19 & #442-30-9-19

**LEGEND:**

- ∅ DISPOSAL WELLS
- PRODUCING WELLS
- ◆ ABANDONED WELLS
- ◆ SHUT IN WELLS
- ◆ TEMPORARILY ABANDONED

**GASCO PRODUCTION COMPANY**

FEDERAL #424-30-9-19, #432-30-9-19,  
 #333-30-9-19 & #442-30-9-19  
 SECTION 30, T9S, R19E, S.L.B.&M.  
 NE 1/4 SE 1/4

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



**TOPOGRAPHIC MAP**  
 02 28 12  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: J.L.H. REVISED: 05-02-12





## Gasco Energy

Uintah County, UT (Nad 27)

Federal 43-30-9-19 Pad

Federal #333-30-9-19

OH

Plan: plan4 17May12 RG

## Standard Planning Report

17 May, 2012

CONFIDENTIAL



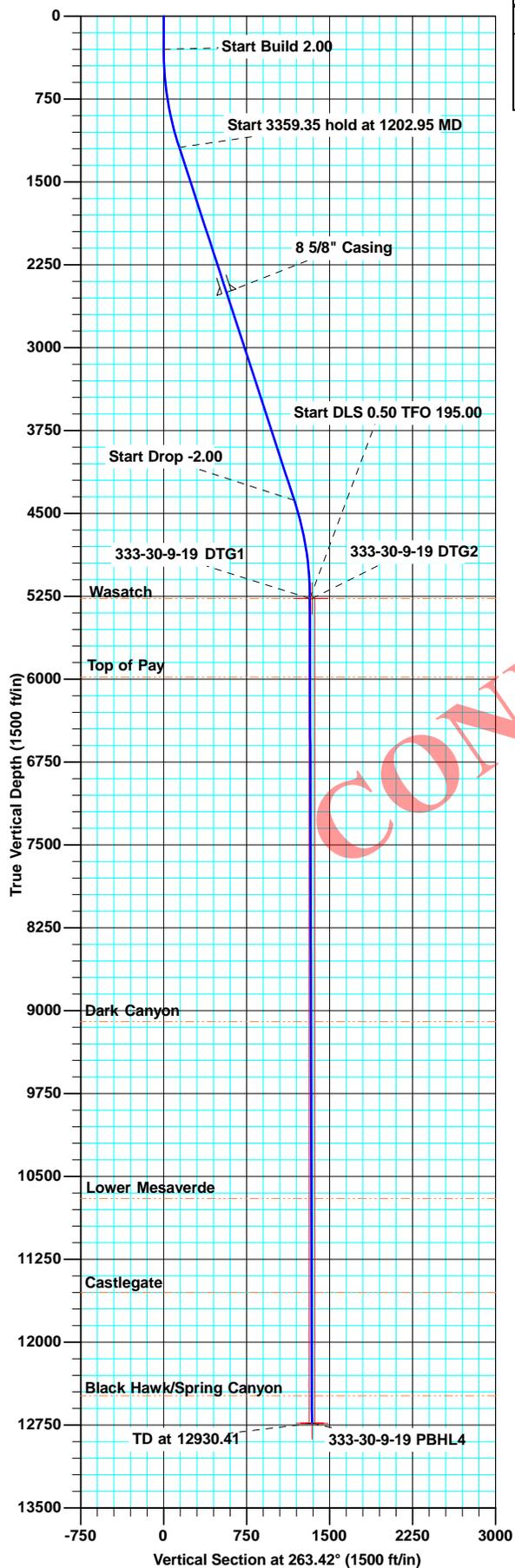


Project: UINTAH COUNTY, UTAH  
 Site: Federal 43-30-9-19 Pad  
 Well: Federal #333-30-9-19  
 Wellbore: OH  
 Design: PLAN #4 17May12 RG  
 Latitude: 40.000139  
 Longitude: -109.815392  
 GL: 4810.00'  
 KB:



PROJECT DETAILS: Uintah County, UT (Nad 27)  
 Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: Utah Central 4302  
 System Datum: Mean Sea Level

Plan: plan4 17May12 RG (Federal #333-30-9-19/OH)  
 Created By: Rolando G. Date: 13:48, May 17 2012



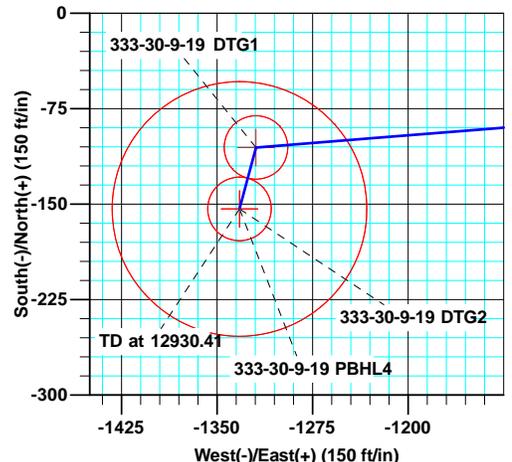
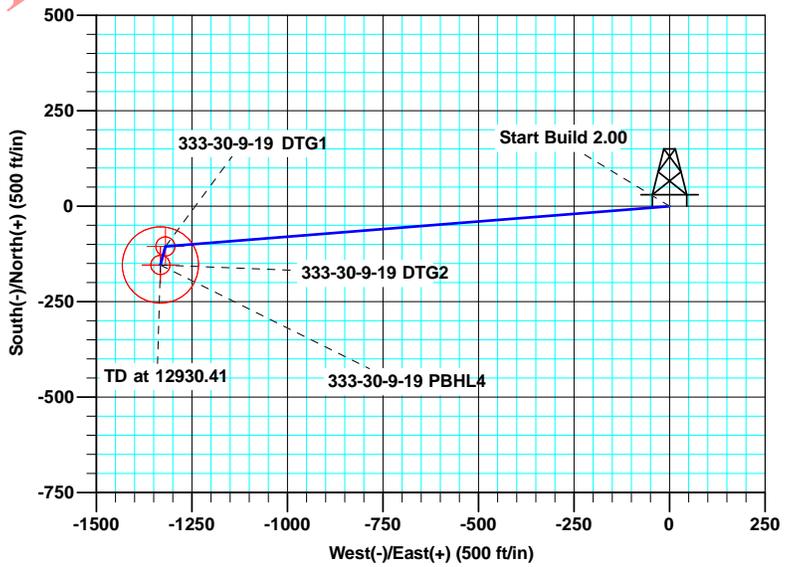
SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	V Sect	Annotation	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Start Build 2.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	Start 3359.35 hold at 1202.95 MD	
1202.95	18.06	265.43	1188.07	-11.23	-140.68	2.00	265.43	141.04	Start Drop -2.00	
4562.29	18.06	265.43	4381.93	-94.13	-1178.75	0.00	0.00	1181.78	Start DLS 0.50 TFO 195.00	
5465.24	0.00	1.08	5270.00	-105.36	-1319.43	2.00	180.00	1322.81	Start 7388.01 hold at 5542.40 MD	
5542.40	0.39	195.00	5347.16	-105.61	-1319.50	0.50	195.00	1322.91	TD at 12930.41	
12930.41	0.39	195.00	12735.00	-153.66	-1332.37	0.00	0.00	1341.20		

DESIGN TARGET DETAILS						
Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
333-30-9-19 DTG1	5270.00	-105.36	-1319.43	39.999850	-109.820102	Circle (Radius: 25.00)
333-30-9-19 DTG2	5270.00	-153.66	-1332.37	39.999717	-109.820148	Circle (Radius: 25.00)
333-30-9-19 PBHL4	12735.00	-153.66	-1332.37	39.999717	-109.820148	Circle (Radius: 100.00)

WELL DETAILS: Federal #333-30-9-19						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	611539.98	2471902.59	40.000139	-109.815392	

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
5270.00	5465.24	Wasatch
5982.00	6177.25	Top of Pay
9100.00	9295.33	Dark Canyon
10700.00	10895.36	Lower Mesaverde
11550.00	11745.38	Castlegate
12485.00	12680.40	Black Hawk/Spring Canyon

CASING DETAILS				
TVD	MD	Name	Csg Ø	Hole Ø
2500.00	2582.85	8 5/8" Casing	8 5/8"	11 7/12 1/4"



Azimuths to True North  
 Magnetic North: 11.11°  
 Magnetic Field  
 Strength: 52214.8snT  
 Dip Angle: 65.79°  
 Date: 03/05/2012  
 Model: IGRF2010



<b>Database:</b>	CompassVM	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19
<b>Company:</b>	Gasco Energy	<b>TVD Reference:</b>	WELL @ 4810.00ft (Original Well Elev)
<b>Project:</b>	Uintah County, UT (Nad 27)	<b>MD Reference:</b>	WELL @ 4810.00ft (Original Well Elev)
<b>Site:</b>	Federal 43-30-9-19 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Federal #333-30-9-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	plan4 17May12 RG		

<b>Project</b>	Uintah County, UT (Nad 27)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

<b>Site</b>	Federal 43-30-9-19 Pad				
<b>Site Position:</b>		<b>Northing:</b>	611,569.13 usft	<b>Latitude:</b>	40.000219
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,471,902.04 usft	<b>Longitude:</b>	-109.815392
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	1.10 ft	<b>Grid Convergence:</b>	1.08 °

<b>Well</b>	Federal #333-30-9-19					
<b>Well Position</b>	<b>+N/-S</b>	-29.15 ft	<b>Northing:</b>	611,539.98 usft	<b>Latitude:</b>	40.000139
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,471,902.59 usft	<b>Longitude:</b>	-109.815392
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	4,810.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
	IGRF2010	03/05/12	(°)	(°)	(nT)
			11.11	65.79	52,215

<b>Design</b>	plan4 17May12 RG			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	263.42

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,202.95	18.06	265.43	1,188.07	-11.23	-140.68	2.00	2.00	0.00	265.43	
4,562.29	18.06	265.43	4,381.93	-94.13	-1,178.75	0.00	0.00	0.00	0.00	
5,465.24	0.00	1.08	5,270.00	-105.36	-1,319.43	2.00	-2.00	0.00	180.00	333-30-9-19 DTG1
5,542.40	0.39	195.00	5,347.16	-105.61	-1,319.50	0.50	0.50	-215.25	195.00	
12,930.41	0.39	195.00	12,735.00	-153.66	-1,332.37	0.00	0.00	0.00	0.00	333-30-9-19 PBHL4



<b>Database:</b>	CompassVM	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19
<b>Company:</b>	Gasco Energy	<b>TVD Reference:</b>	WELL @ 4810.00ft (Original Well Elev)
<b>Project:</b>	Uintah County, UT (Nad 27)	<b>MD Reference:</b>	WELL @ 4810.00ft (Original Well Elev)
<b>Site:</b>	Federal 43-30-9-19 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Federal #333-30-9-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	plan4 17May12 RG		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 2.00</b>										
400.00	2.00	265.43	399.98	-0.14	-1.74	1.74	2.00	2.00	0.00	
500.00	4.00	265.43	499.84	-0.56	-6.96	6.97	2.00	2.00	0.00	
600.00	6.00	265.43	599.45	-1.25	-15.64	15.68	2.00	2.00	0.00	
700.00	8.00	265.43	698.70	-2.22	-27.79	27.86	2.00	2.00	0.00	
800.00	10.00	265.43	797.47	-3.46	-43.38	43.50	2.00	2.00	0.00	
900.00	12.00	265.43	895.62	-4.98	-62.40	62.56	2.00	2.00	0.00	
1,000.00	14.00	265.43	993.06	-6.77	-84.83	85.04	2.00	2.00	0.00	
1,100.00	16.00	265.43	1,089.64	-8.83	-110.62	110.91	2.00	2.00	0.00	
1,202.95	18.06	265.43	1,188.07	-11.23	-140.68	141.04	2.00	2.00	0.00	
<b>Start 3359.35 hold at 1202.95 MD</b>										
1,300.00	18.06	265.43	1,280.34	-13.63	-170.67	171.11	0.00	0.00	0.00	
1,400.00	18.06	265.43	1,375.42	-16.10	-201.57	202.09	0.00	0.00	0.00	
1,500.00	18.06	265.43	1,470.49	-18.56	-232.47	233.07	0.00	0.00	0.00	
1,600.00	18.06	265.43	1,565.56	-21.03	-263.37	264.05	0.00	0.00	0.00	
1,700.00	18.06	265.43	1,660.64	-23.50	-294.27	295.03	0.00	0.00	0.00	
1,800.00	18.06	265.43	1,755.71	-25.97	-325.17	326.01	0.00	0.00	0.00	
1,900.00	18.06	265.43	1,850.79	-28.43	-356.07	356.99	0.00	0.00	0.00	
2,000.00	18.06	265.43	1,945.86	-30.90	-386.98	387.97	0.00	0.00	0.00	
2,100.00	18.06	265.43	2,040.93	-33.37	-417.88	418.95	0.00	0.00	0.00	
2,200.00	18.06	265.43	2,136.01	-35.84	-448.78	449.93	0.00	0.00	0.00	
2,300.00	18.06	265.43	2,231.08	-38.30	-479.68	480.91	0.00	0.00	0.00	
2,400.00	18.06	265.43	2,326.15	-40.77	-510.58	511.89	0.00	0.00	0.00	
2,500.00	18.06	265.43	2,421.23	-43.24	-541.48	542.87	0.00	0.00	0.00	
2,582.85	18.06	265.43	2,500.00	-45.28	-567.08	568.54	0.00	0.00	0.00	
<b>8 5/8" Casing</b>										
2,600.00	18.06	265.43	2,516.30	-45.71	-572.38	573.85	0.00	0.00	0.00	
2,700.00	18.06	265.43	2,611.38	-48.17	-603.28	604.83	0.00	0.00	0.00	
2,800.00	18.06	265.43	2,706.45	-50.64	-634.18	635.81	0.00	0.00	0.00	
2,900.00	18.06	265.43	2,801.52	-53.11	-665.09	666.79	0.00	0.00	0.00	
3,000.00	18.06	265.43	2,896.60	-55.58	-695.99	697.77	0.00	0.00	0.00	
3,100.00	18.06	265.43	2,991.67	-58.04	-726.89	728.75	0.00	0.00	0.00	
3,200.00	18.06	265.43	3,086.75	-60.51	-757.79	759.73	0.00	0.00	0.00	
3,300.00	18.06	265.43	3,181.82	-62.98	-788.69	790.71	0.00	0.00	0.00	
3,400.00	18.06	265.43	3,276.89	-65.45	-819.59	821.69	0.00	0.00	0.00	
3,500.00	18.06	265.43	3,371.97	-67.91	-850.49	852.67	0.00	0.00	0.00	
3,600.00	18.06	265.43	3,467.04	-70.38	-881.39	883.65	0.00	0.00	0.00	
3,700.00	18.06	265.43	3,562.11	-72.85	-912.29	914.63	0.00	0.00	0.00	
3,800.00	18.06	265.43	3,657.19	-75.32	-943.20	945.61	0.00	0.00	0.00	
3,900.00	18.06	265.43	3,752.26	-77.78	-974.10	976.59	0.00	0.00	0.00	
4,000.00	18.06	265.43	3,847.34	-80.25	-1,005.00	1,007.57	0.00	0.00	0.00	
4,100.00	18.06	265.43	3,942.41	-82.72	-1,035.90	1,038.56	0.00	0.00	0.00	
4,200.00	18.06	265.43	4,037.48	-85.19	-1,066.80	1,069.54	0.00	0.00	0.00	
4,300.00	18.06	265.43	4,132.56	-87.65	-1,097.70	1,100.52	0.00	0.00	0.00	
4,400.00	18.06	265.43	4,227.63	-90.12	-1,128.60	1,131.50	0.00	0.00	0.00	
4,500.00	18.06	265.43	4,322.71	-92.59	-1,159.50	1,162.48	0.00	0.00	0.00	
4,562.29	18.06	265.43	4,381.93	-94.13	-1,178.75	1,181.78	0.00	0.00	0.00	
<b>Start Drop -2.00</b>										
4,600.00	17.30	265.43	4,417.85	-95.04	-1,190.17	1,193.22	2.00	-2.00	0.00	
4,700.00	15.30	265.43	4,513.83	-97.27	-1,218.15	1,221.28	2.00	-2.00	0.00	



<b>Database:</b>	CompassVM	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19
<b>Company:</b>	Gasco Energy	<b>TVD Reference:</b>	WELL @ 4810.00ft (Original Well Elev)
<b>Project:</b>	Uintah County, UT (Nad 27)	<b>MD Reference:</b>	WELL @ 4810.00ft (Original Well Elev)
<b>Site:</b>	Federal 43-30-9-19 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Federal #333-30-9-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	plan4 17May12 RG		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,800.00	13.30	265.43	4,610.72	-99.24	-1,242.78	1,245.97	2.00	-2.00	0.00
4,900.00	11.30	265.43	4,708.42	-100.94	-1,264.02	1,267.27	2.00	-2.00	0.00
5,000.00	9.30	265.43	4,806.80	-102.36	-1,281.86	1,285.14	2.00	-2.00	0.00
5,100.00	7.30	265.43	4,905.75	-103.51	-1,296.25	1,299.58	2.00	-2.00	0.00
5,200.00	5.30	265.43	5,005.14	-104.38	-1,307.20	1,310.55	2.00	-2.00	0.00
5,300.00	3.30	265.43	5,104.85	-104.98	-1,314.68	1,318.05	2.00	-2.00	0.00
5,400.00	1.30	265.43	5,204.77	-105.30	-1,318.69	1,322.07	2.00	-2.00	0.00
5,465.24	0.00	1.08	5,270.00	-105.36	-1,319.43	1,322.81	2.00	-2.00	0.00
<b>Start DLS 0.50 TFO 195.00 - Wasatch</b>									
5,500.00	0.17	195.00	5,304.76	-105.41	-1,319.44	1,322.83	0.50	0.50	0.00
5,542.40	0.39	195.00	5,347.16	-105.61	-1,319.50	1,322.91	0.50	0.50	0.00
<b>Start 7388.01 hold at 5542.40 MD</b>									
5,600.00	0.39	195.00	5,404.76	-105.99	-1,319.60	1,323.05	0.00	0.00	0.00
5,700.00	0.39	195.00	5,504.76	-106.64	-1,319.77	1,323.30	0.00	0.00	0.00
5,800.00	0.39	195.00	5,604.75	-107.29	-1,319.95	1,323.55	0.00	0.00	0.00
5,900.00	0.39	195.00	5,704.75	-107.94	-1,320.12	1,323.79	0.00	0.00	0.00
6,000.00	0.39	195.00	5,804.75	-108.59	-1,320.29	1,324.04	0.00	0.00	0.00
6,100.00	0.39	195.00	5,904.75	-109.24	-1,320.47	1,324.29	0.00	0.00	0.00
6,177.25	0.39	195.00	5,982.00	-109.74	-1,320.60	1,324.48	0.00	0.00	0.00
<b>Top of Pay</b>									
6,200.00	0.39	195.00	6,004.74	-109.89	-1,320.64	1,324.54	0.00	0.00	0.00
6,300.00	0.39	195.00	6,104.74	-110.54	-1,320.82	1,324.78	0.00	0.00	0.00
6,400.00	0.39	195.00	6,204.74	-111.19	-1,320.99	1,325.03	0.00	0.00	0.00
6,500.00	0.39	195.00	6,304.74	-111.84	-1,321.17	1,325.28	0.00	0.00	0.00
6,600.00	0.39	195.00	6,404.74	-112.49	-1,321.34	1,325.53	0.00	0.00	0.00
6,700.00	0.39	195.00	6,504.73	-113.14	-1,321.51	1,325.77	0.00	0.00	0.00
6,800.00	0.39	195.00	6,604.73	-113.79	-1,321.69	1,326.02	0.00	0.00	0.00
6,900.00	0.39	195.00	6,704.73	-114.44	-1,321.86	1,326.27	0.00	0.00	0.00
7,000.00	0.39	195.00	6,804.73	-115.09	-1,322.04	1,326.52	0.00	0.00	0.00
7,100.00	0.39	195.00	6,904.72	-115.74	-1,322.21	1,326.76	0.00	0.00	0.00
7,200.00	0.39	195.00	7,004.72	-116.39	-1,322.39	1,327.01	0.00	0.00	0.00
7,300.00	0.39	195.00	7,104.72	-117.04	-1,322.56	1,327.26	0.00	0.00	0.00
7,400.00	0.39	195.00	7,204.72	-117.69	-1,322.73	1,327.51	0.00	0.00	0.00
7,500.00	0.39	195.00	7,304.72	-118.34	-1,322.91	1,327.76	0.00	0.00	0.00
7,600.00	0.39	195.00	7,404.71	-118.99	-1,323.08	1,328.00	0.00	0.00	0.00
7,700.00	0.39	195.00	7,504.71	-119.64	-1,323.26	1,328.25	0.00	0.00	0.00
7,800.00	0.39	195.00	7,604.71	-120.29	-1,323.43	1,328.50	0.00	0.00	0.00
7,900.00	0.39	195.00	7,704.71	-120.94	-1,323.60	1,328.75	0.00	0.00	0.00
8,000.00	0.39	195.00	7,804.70	-121.60	-1,323.78	1,328.99	0.00	0.00	0.00
8,100.00	0.39	195.00	7,904.70	-122.25	-1,323.95	1,329.24	0.00	0.00	0.00
8,200.00	0.39	195.00	8,004.70	-122.90	-1,324.13	1,329.49	0.00	0.00	0.00
8,300.00	0.39	195.00	8,104.70	-123.55	-1,324.30	1,329.74	0.00	0.00	0.00
8,400.00	0.39	195.00	8,204.69	-124.20	-1,324.48	1,329.98	0.00	0.00	0.00
8,500.00	0.39	195.00	8,304.69	-124.85	-1,324.65	1,330.23	0.00	0.00	0.00
8,600.00	0.39	195.00	8,404.69	-125.50	-1,324.82	1,330.48	0.00	0.00	0.00
8,700.00	0.39	195.00	8,504.69	-126.15	-1,325.00	1,330.73	0.00	0.00	0.00
8,800.00	0.39	195.00	8,604.69	-126.80	-1,325.17	1,330.97	0.00	0.00	0.00
8,900.00	0.39	195.00	8,704.68	-127.45	-1,325.35	1,331.22	0.00	0.00	0.00
9,000.00	0.39	195.00	8,804.68	-128.10	-1,325.52	1,331.47	0.00	0.00	0.00
9,100.00	0.39	195.00	8,904.68	-128.75	-1,325.70	1,331.72	0.00	0.00	0.00
9,200.00	0.39	195.00	9,004.68	-129.40	-1,325.87	1,331.96	0.00	0.00	0.00
9,295.33	0.39	195.00	9,100.00	-130.02	-1,326.04	1,332.20	0.00	0.00	0.00
<b>Dark Canyon</b>									



<b>Database:</b>	CompassVM	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19
<b>Company:</b>	Gasco Energy	<b>TVD Reference:</b>	WELL @ 4810.00ft (Original Well Elev)
<b>Project:</b>	Uintah County, UT (Nad 27)	<b>MD Reference:</b>	WELL @ 4810.00ft (Original Well Elev)
<b>Site:</b>	Federal 43-30-9-19 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Federal #333-30-9-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	plan4 17May12 RG		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
9,300.00	0.39	195.00	9,104.67	-130.05	-1,326.04	1,332.21	0.00	0.00	0.00	
9,400.00	0.39	195.00	9,204.67	-130.70	-1,326.22	1,332.46	0.00	0.00	0.00	
9,500.00	0.39	195.00	9,304.67	-131.35	-1,326.39	1,332.71	0.00	0.00	0.00	
9,600.00	0.39	195.00	9,404.67	-132.00	-1,326.57	1,332.95	0.00	0.00	0.00	
9,700.00	0.39	195.00	9,504.67	-132.65	-1,326.74	1,333.20	0.00	0.00	0.00	
9,800.00	0.39	195.00	9,604.66	-133.30	-1,326.92	1,333.45	0.00	0.00	0.00	
9,900.00	0.39	195.00	9,704.66	-133.95	-1,327.09	1,333.70	0.00	0.00	0.00	
10,000.00	0.39	195.00	9,804.66	-134.60	-1,327.26	1,333.95	0.00	0.00	0.00	
10,100.00	0.39	195.00	9,904.66	-135.25	-1,327.44	1,334.19	0.00	0.00	0.00	
10,200.00	0.39	195.00	10,004.65	-135.90	-1,327.61	1,334.44	0.00	0.00	0.00	
10,300.00	0.39	195.00	10,104.65	-136.55	-1,327.79	1,334.69	0.00	0.00	0.00	
10,400.00	0.39	195.00	10,204.65	-137.20	-1,327.96	1,334.94	0.00	0.00	0.00	
10,500.00	0.39	195.00	10,304.65	-137.86	-1,328.13	1,335.18	0.00	0.00	0.00	
10,600.00	0.39	195.00	10,404.65	-138.51	-1,328.31	1,335.43	0.00	0.00	0.00	
10,700.00	0.39	195.00	10,504.64	-139.16	-1,328.48	1,335.68	0.00	0.00	0.00	
10,800.00	0.39	195.00	10,604.64	-139.81	-1,328.66	1,335.93	0.00	0.00	0.00	
10,895.36	0.39	195.00	10,700.00	-140.43	-1,328.82	1,336.16	0.00	0.00	0.00	
<b>Lower Mesaverde</b>										
10,900.00	0.39	195.00	10,704.64	-140.46	-1,328.83	1,336.17	0.00	0.00	0.00	
11,000.00	0.39	195.00	10,804.64	-141.11	-1,329.01	1,336.42	0.00	0.00	0.00	
11,100.00	0.39	195.00	10,904.63	-141.76	-1,329.18	1,336.67	0.00	0.00	0.00	
11,200.00	0.39	195.00	11,004.63	-142.41	-1,329.35	1,336.92	0.00	0.00	0.00	
11,300.00	0.39	195.00	11,104.63	-143.06	-1,329.53	1,337.16	0.00	0.00	0.00	
11,400.00	0.39	195.00	11,204.63	-143.71	-1,329.70	1,337.41	0.00	0.00	0.00	
11,500.00	0.39	195.00	11,304.62	-144.36	-1,329.88	1,337.66	0.00	0.00	0.00	
11,600.00	0.39	195.00	11,404.62	-145.01	-1,330.05	1,337.91	0.00	0.00	0.00	
11,700.00	0.39	195.00	11,504.62	-145.66	-1,330.23	1,338.15	0.00	0.00	0.00	
11,745.38	0.39	195.00	11,550.00	-145.96	-1,330.30	1,338.27	0.00	0.00	0.00	
<b>Castlegate</b>										
11,800.00	0.39	195.00	11,604.62	-146.31	-1,330.40	1,338.40	0.00	0.00	0.00	
11,900.00	0.39	195.00	11,704.62	-146.96	-1,330.57	1,338.65	0.00	0.00	0.00	
12,000.00	0.39	195.00	11,804.61	-147.61	-1,330.75	1,338.90	0.00	0.00	0.00	
12,100.00	0.39	195.00	11,904.61	-148.26	-1,330.92	1,339.14	0.00	0.00	0.00	
12,200.00	0.39	195.00	12,004.61	-148.91	-1,331.10	1,339.39	0.00	0.00	0.00	
12,300.00	0.39	195.00	12,104.61	-149.56	-1,331.27	1,339.64	0.00	0.00	0.00	
12,400.00	0.39	195.00	12,204.60	-150.21	-1,331.45	1,339.89	0.00	0.00	0.00	
12,500.00	0.39	195.00	12,304.60	-150.86	-1,331.62	1,340.14	0.00	0.00	0.00	
12,600.00	0.39	195.00	12,404.60	-151.51	-1,331.79	1,340.38	0.00	0.00	0.00	
12,680.40	0.39	195.00	12,485.00	-152.04	-1,331.93	1,340.58	0.00	0.00	0.00	
<b>Black Hawk/Spring Canyon</b>										
12,700.00	0.39	195.00	12,504.60	-152.16	-1,331.97	1,340.63	0.00	0.00	0.00	
12,800.00	0.39	195.00	12,604.60	-152.81	-1,332.14	1,340.88	0.00	0.00	0.00	
12,900.00	0.39	195.00	12,704.59	-153.46	-1,332.32	1,341.13	0.00	0.00	0.00	
12,930.41	0.39	195.00	12,735.00	-153.66	-1,332.37	1,341.20	0.00	0.00	0.00	
<b>TD at 12930.41</b>										



<b>Database:</b>	CompassVM	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19
<b>Company:</b>	Gasco Energy	<b>TVD Reference:</b>	WELL @ 4810.00ft (Original Well Elev)
<b>Project:</b>	Uintah County, UT (Nad 27)	<b>MD Reference:</b>	WELL @ 4810.00ft (Original Well Elev)
<b>Site:</b>	Federal 43-30-9-19 Pad	<b>North Reference:</b>	True
<b>Well:</b>	Federal #333-30-9-19	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	plan4 17May12 RG		

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
333-30-9-19 DTG2 - hit/miss target - Shape - plan misses target center by 50.01ft at 5465.32ft MD (5270.08 TVD, -105.36 N, -1319.43 E) - Circle (radius 25.00)	0.00	1.08	5,270.00	-153.66	-1,332.37	611,361.25	2,470,573.35	39.999717	-109.820148
333-30-9-19 DTG1 - plan hits target center - Circle (radius 25.00)	0.00	1.08	5,270.00	-105.36	-1,319.43	611,409.79	2,470,585.38	39.999850	-109.820102
333-30-9-19 PBHL4 - plan hits target center - Circle (radius 100.00)	0.00	1.08	12,735.00	-153.66	-1,332.37	611,361.25	2,470,573.35	39.999717	-109.820148

Casing Points				
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (ft)	Hole Diameter (ft)
2,582.85	2,500.00	8 5/8" Casing	8.62	12.25

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,465.24	5,270.00	Wasatch		0.00	
6,177.25	5,982.00	Top of Pay		0.00	
9,295.33	9,100.00	Dark Canyon		0.00	
10,895.36	10,700.00	Lower Mesaverde		0.00	
11,745.38	11,550.00	Castlegate		0.00	
12,680.40	12,485.00	Black Hawk/Spring Canyon		0.00	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Comment	
300.00	300.00	0.00	0.00	Start Build 2.00	
1,202.95	1,188.07	-11.23	-140.68	Start 3359.35 hold at 1202.95 MD	
4,562.29	4,381.93	-94.13	-1,178.75	Start Drop -2.00	
5,465.24	5,270.00	-105.36	-1,319.43	Start DLS 0.50 TFO 195.00	
5,542.40	5,347.16	-105.61	-1,319.50	Start 7388.01 hold at 5542.40 MD	
12,930.41	12,735.00	-153.66	-1,332.37	TD at 12930.41	

**Gasco Production Company**  
**Federal 333-30-9-19**  
**NW SE, Section 30, Township 9 South, Range 19 East**  
**Uintah County, Utah**  
**Lease No. UTU- 37246**

ONSHORE OIL & GAS ORDER NO. 1

**Surface Use Plan**

**Notification Requirements**

Location Construction-	48 hours prior to construction of location and access roads
Location completion-	Prior to moving on with drilling rig.
Spud Notice-	At least 24 hours prior to spudding the well.
Casing String and Cementing-	24 hours notice prior to running casing and cementing.
BOP and Related Equipment-	24 hours prior to initiating pressure tests.
First Production Notice-	Within 5 business days after new well begins or production resumes after well has been off production for more than 90 days.

The onsite inspection for the subject well site will be conducted with at least one of the land management agency specialists, a Gasco representative and additional contractors which may include the following individuals:

Natural Resource Specialist	Bill Civish BLM Representative
Wildlife Biologist	BLM Representative
Jesse Duncan	Gasco Production Company
Scott Duncan	Gasco Production Company
Surveyor	Uintah Engineering

**1. Existing Roads**

See Drilling Program: Topographic Map "A".

Description of travel from plats.

**2. Planned Access Road**

See Drilling Program: Topographic Map "B" for location of the proposed access road.

**3. Location of Existing Wells**

See Drilling Program: Topographic Map "C"

**4. Location of Tank Batteries and Production Facilities**

- a. All permanent surface equipment will be painted a Color approved by the land management agency.
- b. Storage tanks batteries will be surrounded by containment dike of sufficient capacity to contain at a minimum, the entire contents of the largest tank with in the contained area, unless more stringent requirements are necessary as notified by the AO.
- c. A production layout will be submitted via sundry upon proven productivity of the well.
- d. All loading lines will be placed inside the berm/dike surrounding the tank battery.
- e. A Gas Meter Run will be placed within 500 ft. of the wellhead. Meter runs will be housed. The oil and gas measurement equipment will be installed on the well location. Measurement equipment will be calibrated in place prior to any deliveries. Tests for accuracy will be conducted monthly for the first three months on new 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 calibration reports will be submitted to the Vernal Field Office.
- f. Any necessary pits will be properly fenced to prevent any wildlife entry.
- g. The access road will be maintained in a safe, usable condition conducive to the climate and seasonal conditions in order to accommodate daily operation of the well and prevent erosion.
- h. No pipeline will be associated with this APD. This well will utilize the existing pipeline.

**5. Location and Type of Water**

- a. Water will come from: Water Right No. 41-3530.
- b. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".
- c. No water well will be drilled on this lease.

**6. Source of Construction Material**

- a. Any gravel used will be obtained from a commercial source.
- b. The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2.3.
- c. No construction materials will be used from Federal lands.

**7. Methods of Handling Waste Disposal**

- a. The reserve pit will be double lined with at least 16 mil liner.
- b. All trash will be contained in an enclosed trash container through the drilling, completion, and facility construction phases and its contents removed and hauled to an approved disposal sight as needed.
- c. A chemical porta-toilet will be furnished through the drilling, and completion phases.
- d. After first production, produced waste water will be confined to an unlined pit or storage tank for a period not to exceed 90 days. During the 90 day period, in accordance with Onshore Order No. 7, an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the AO's approval.
- 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.

**8. Ancillary Facilities**

There are no airstrips, camps or other facilities planned during the drilling of this well except for those facilities needed for drilling rig personal, service providers and company representatives.

**9. Well Site Layout**

See Drilling Program: Location Layout Diagram

**10. Plans for Restoration of Surface**

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Upon completion, any hydrocarbon within the reserve pit will be removed in accordance with 43 CFR 3162.7-1.
- c. The reserve pit will be backfilled and reclaimed within 120 days from the well completion. The reserve pit liner will be perforated and excess liner removed before backfilling. Alternatively, the pit will be pumped dry, the liner folded into the pit and buried to a minimum of 4' deep.

d. That portion of the location not needed for production facilities or operations, or any disturbed areas upon final plug and abandonment, will be re-contoured to approximate natural contours and seeded with a seed mixture and procedure specified by the AO. Additionally, the topsoil will be seeded with the same mixture and procedure as specified.

**11. Surface Ownership**

The proposed access road and well pad is on lands managed by the BLM.

**12. Other Information**

- a. An archeological survey may be conducted by an Archeological Consultant.
- b. If historic or archeological materials are uncovered during construction, the operator will immediately stop work and contact the AO.
- c. COA's from onsite will be implemented/followed.
- d. The operator will control noxious weeds along associated well pad, roads, pipelines, and surface equipment. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted and approved prior to the application of pesticides or herbicides.
- e. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Federal lands after the conclusion of drilling operations or at any other time without BLM authorization.
- f. All lease and 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 Notices to Lessees. The operator is fully responsible for the actions of his subcontractors.
- g. A complete copy of the APD shall be on location during construction and drilling of this site.

**Water Disposal**

Immediately upon first production all produced water will be confined to a steel storage tank. Produced Water will be disposed of via truck transport to a State of Utah approved disposal Facility.

**Wildlife Timing Stipulations** COA's from onsite will be implemented/followed.

**13. Lessee's or Operators Representative**

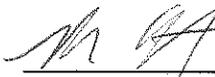
Gasco Production Company  
Roger Knight – EHS Supervisor  
7979 East Tufts Avenue, Suite 1150  
Denver, CO 80237  
(303)996-1803 Direct Office

Jesse Duncan  
Utah Area Manager  
10569 South Parriette Road  
PO Box 351  
Myton, Utah 84052  
(435)-646-3336 office

**Certification**

Please be advised that *Gasco Production Company* is considered to be the operator of the *Well Federal 333-30-9-19, NWSE Section 30, T9S, R19E, Lease No. UTU-37246, Uintah County, Utah:* and is responsible under the term and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #1233.

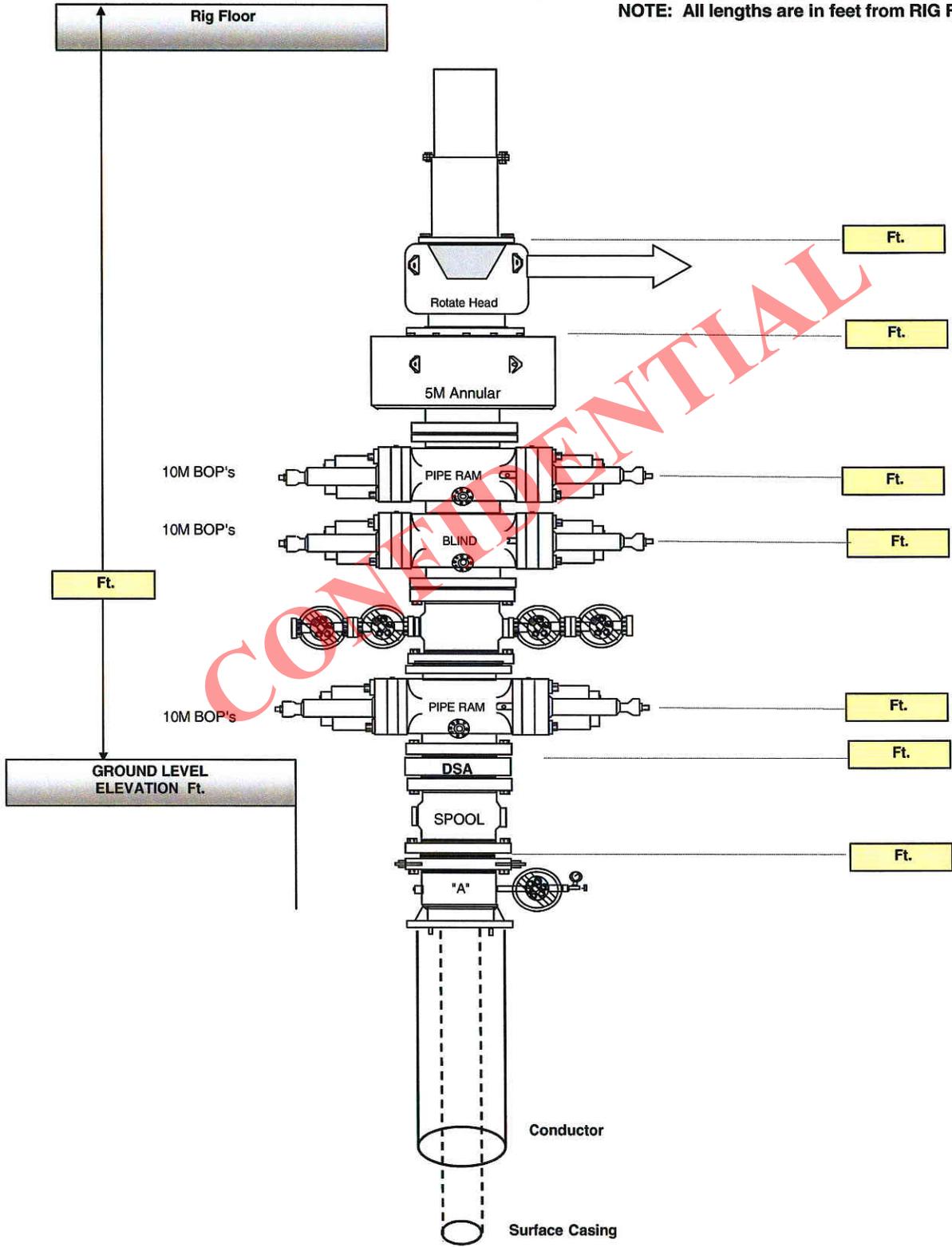
I hereby certify that the proposed drill site and access road have been inspected and I am familiar with the conditions that currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Gasco Production Company its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. The statement is subject to the provisions of 18 U.S.C. 1000 for the filing of a false statement.

  
\_\_\_\_\_  
Roger Knight  
Gasco Production Company

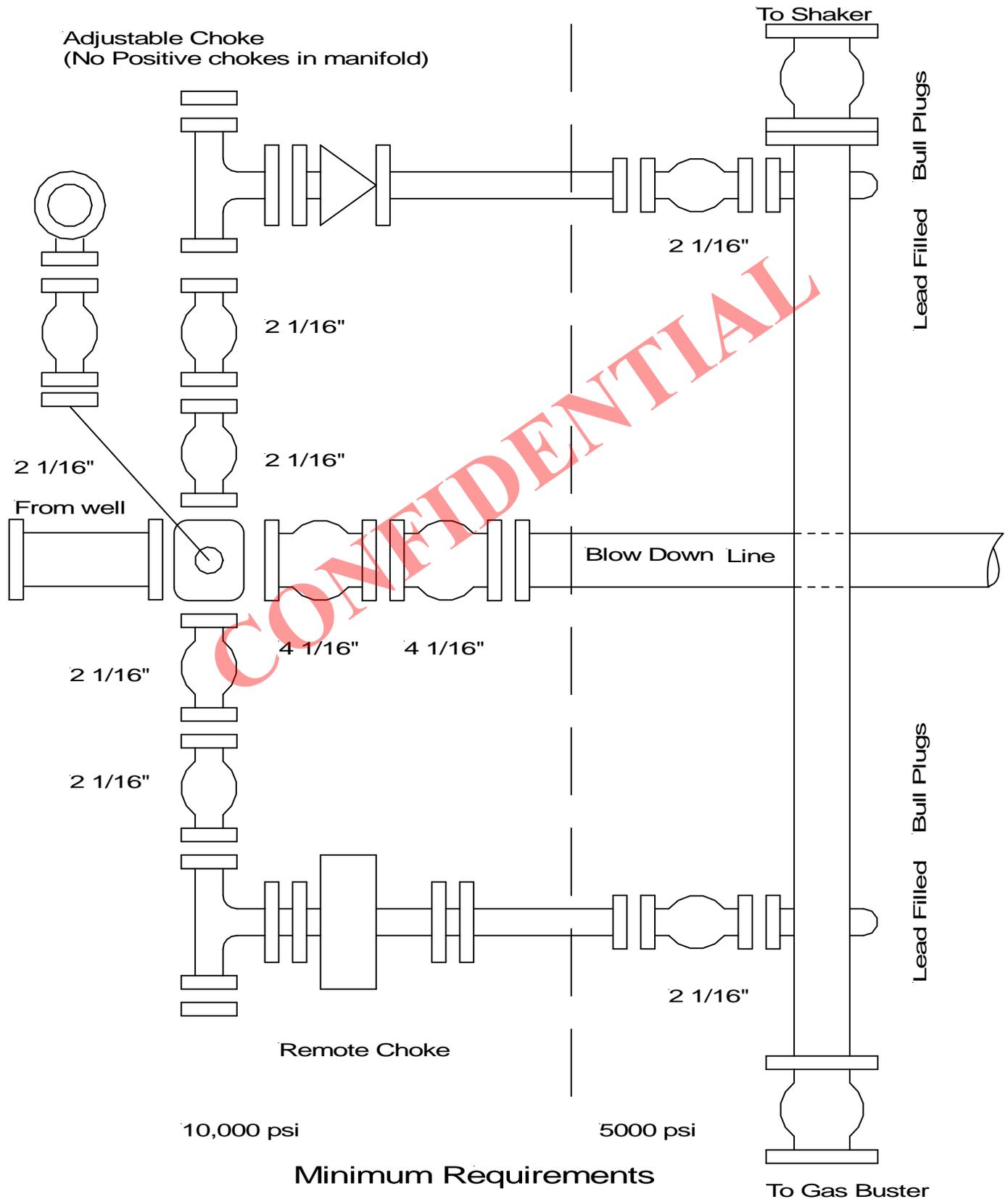
  
\_\_\_\_\_  
Date

Gasco Energy Utah Region	<b>DRILLING PHASE</b> <u>BOP Stack Diagram</u>	River Bend Area Utah DATE: Rig:
--------------------------------	---	---------------------------------------

NOTE: All lengths are in feet from RIG FLOOR.



# 10,000 psi Manifold



June 21, 2012

**Gasco Production Company**  
Federal 333-30-9-19  
1836' FSL & 1991' FEL  
NW SE of Section 30-T9S-R19E  
Uintah County, UT

CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the well 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. The \$6,500 APD processing fee is being sent to the BLM Vernal Field office in conjunction with the electronic submittal of the APD package. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

CONFIDENTIAL



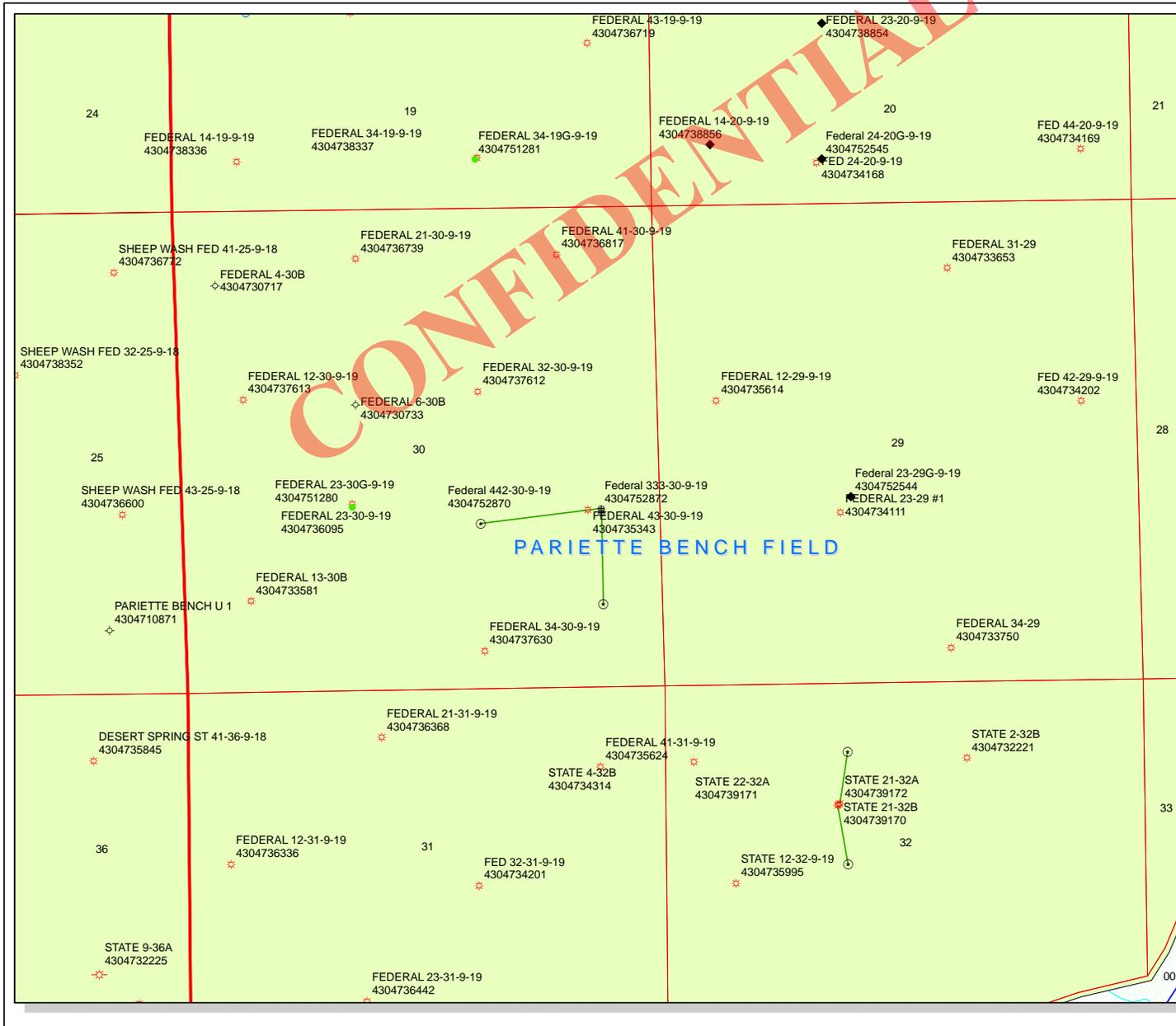
\_\_\_\_\_  
Signature

Executive Vice President & COO  
Title

7979 East Tufts Avenue, Suite 1150 Denver, CO 80237  
Address

303-483-0044  
Phone

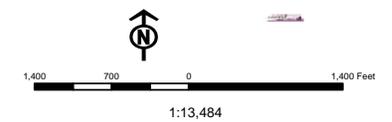
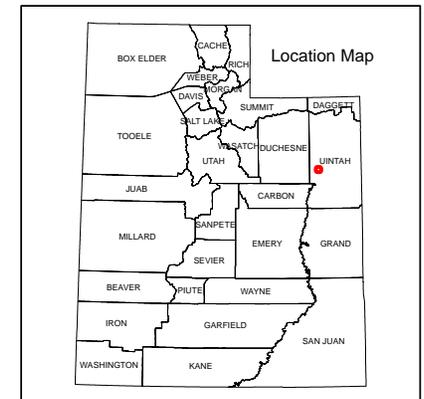
mdecker@gascoenergy.com  
E-mail



**API Number: 4304752872**  
**Well Name: Federal 333-30-9-19**  
**Township T09.0S Range R19.0E Section 30**  
**Meridian: SLBM**  
**Operator: GASCO PRODUCTION COMPANY**

Map Prepared:  
 Map Produced by Diana Mason

- |                      |                                    |
|----------------------|------------------------------------|
| <b>Units Status</b>  | <b>Wells Query Status</b>          |
| ACTIVE               | APD - Approved Permit              |
| EXPLORATORY          | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE          | GIW - Gas Injection                |
| NF PP OIL            | GS - Gas Storage                   |
| NF SECONDARY         | LOC - New Location                 |
| PI OIL               | OPS - Operation Suspended          |
| PP GAS               | PA - Plugged Abandoned             |
| PP GEOTHERM          | PGW - Producing Gas Well           |
| PP OIL               | POW - Producing Oil Well           |
| SECONDARY            | SGW - Shut-in Gas Well             |
| TERMINATED           | SOW - Shut-in Oil Well             |
| <b>Fields Status</b> | TA - Temp. Abandoned               |
| Unknown              | TW - Test Well                     |
| ABANDONED            | WDW - Water Disposal               |
| ACTIVE               | WW - Water Injection Well          |
| COMBINED             | WSW - Water Supply Well            |
| INACTIVE             | Bottom Hole Location - Oil/Gas/Dr  |
| STORAGE              |                                    |
| TERMINATED           |                                    |



## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 6/26/2012

API NO. ASSIGNED: 43047528720000

WELL NAME: Federal 333-30-9-19

OPERATOR: GASCO PRODUCTION COMPANY (N2575)

PHONE NUMBER: 303 996-1803

CONTACT: Roger Knight

PROPOSED LOCATION: NESE 30 090S 190E

Permit Tech Review: 

SURFACE: 1990 FSL 0659 FEL

Engineering Review: 

BOTTOM: 1836 FSL 1991 FEL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.00001

LONGITUDE: -109.81586

UTM SURF EASTINGS: 601079.00

NORTHINGS: 4428430.00

FIELD NAME: PARIETTE BENCH

LEASE TYPE: 1 - Federal

LEASE NUMBER: utu37246

PROPOSED PRODUCING FORMATION(S): SPRING CANYON

SURFACE OWNER: 1 - Federal

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: FEDERAL - ut1233
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 41-3530
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 173-26
- Effective Date: 4/17/2012
- Siting: 460' Fr Exterior Lease Boundary
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 4 - Federal Approval - dmason  
15 - Directional - dmason



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

## Permit To Drill

\*\*\*\*\*

**Well Name:** Federal 333-30-9-19

**API Well Number:** 43047528720000

**Lease Number:** utu37246

**Surface Owner:** FEDERAL

**Approval Date:** 6/27/2012

### Issued to:

GASCO PRODUCTION COMPANY, 8 Inverness Dr. East, Suite 100, Englewood, CO 80112

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 173-26. The expected producing formation or pool is the SPRING CANYON Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

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

### 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.

### Conditions of Approval:

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

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

### 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 leave 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>

**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 to:

- 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

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a faint rectangular stamp.

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> utu37246	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>8. WELL NAME and NUMBER:</b> FEDERAL 333-30-9-19	
<b>9. API NUMBER:</b> 43047528720000	
<b>9. FIELD and POOL or WILDCAT:</b> PARIETTE BENCH	
<b>COUNTY:</b> UINTAH	
<b>STATE:</b> UTAH	

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

<b>1. TYPE OF WELL</b> Gas Well	
<b>2. NAME OF OPERATOR:</b> GASCO PRODUCTION COMPANY	
<b>3. ADDRESS OF OPERATOR:</b> 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	<b>PHONE NUMBER:</b> 303 996-1805 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1990 FSL 0659 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 30 Township: 09.0S Range: 19.0E Meridian: S	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>6/20/2014</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> <b>APD EXTENSION</b>
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

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

**Date:** June 20, 2013

**By:**

<b>NAME (PLEASE PRINT)</b> Roger Knight	<b>PHONE NUMBER</b> 303 996-1803	<b>TITLE</b> EHS Supervisor
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/20/2013	



**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 43047528720000**

API: 43047528720000

Well Name: FEDERAL 333-30-9-19

Location: 1990 FSL 0659 FEL QTR NESE SEC 30 TWNP 090S RNG 190E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 6/27/2012

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: 6/20/2013

Title: EHS Supervisor Representing: GASCO PRODUCTION COMPANY

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> utu37246	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 333-30-9-19
<b>2. NAME OF OPERATOR:</b> GASCO PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43047528720000
<b>3. ADDRESS OF OPERATOR:</b> 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	<b>PHONE NUMBER:</b> 303 996-1805 Ext
<b>9. FIELD and POOL or WILDCAT:</b> PARIETTE BENCH	<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1990 FSL 0659 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 30 Township: 09.0S Range: 19.0E Meridian: S
<b>COUNTY:</b> UINTAH	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 8/1/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> 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  
 June 26, 2014**

**Date:** \_\_\_\_\_  
**By:**

<b>NAME (PLEASE PRINT)</b> Jessica Berg	<b>PHONE NUMBER</b> 303 996-1805	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/23/2014	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah  
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

**Request for Permit Extension Validation Well Number 43047528720000**

API: 43047528720000

Well Name: FEDERAL 333-30-9-19

Location: 1990 FSL 0659 FEL QTR NESE SEC 30 TWNP 090S RNG 190E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 6/27/2012

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: Jessica Berg

Date: 6/23/2014

Title: Regulatory Analyst Representing: GASCO PRODUCTION COMPANY

RECEIVED  
JUL 28 2014

RECEIVED

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUN 29 2012

DIVISION OF OIL, GAS, AND GEOTHERMAL ENERGY  
APPLICATION FOR PERMIT TO DRILL OR REENTER

BLM

CONFIDENTIAL

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU37246	
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	
2. Name of Operator GASCO PRODUCTION COMPANY Contact: ROGER KNIGHT E-Mail: rknight@gascoenergy.com		7. If Unit or CA Agreement, Name and No.	
3a. Address 7979 EAST TUFTS AVENUE SUITE 1150 DENVER, CO 80237		8. Lease Name and Well No. FEDERAL 333-30-9-19	
3b. Phone No. (include area code) Ph: 303-996-1803		9. API Well No. 4304752872	
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface NESE 1990FSL 659FEL At proposed prod. zone NWSE 1836FSL 1991FEL		10. Field and Pool, or Exploratory 8 MILE FLAT	
14. Distance in miles and direction from nearest town or post office* 25 MILES SE OF MYTON UT		11. Sec., T., R., M., or Blk. and Survey or Area Sec 30 T9S R19E Mer SLB	
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1836		12. County or Parish UINTAH	13. State UT
16. No. of Acres in Lease 600.00		17. Spacing Unit dedicated to this well	
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 1332		20. BLM/BIA Bond No. on file UT1233	
21. Elevations (Show whether DF, KB, RT, GL, etc.) 4810 GL		23. Estimated duration 25 DAYS	

24. Attachments

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) ROGER KNIGHT Ph: 303-996-1803	Date 06/26/2012
Title AUTHORIZED REPRESENTATIVE		
Approved by (Signature) 	Name (Printed/Typed) Jerry Kenczka	Date JUL 18 2014
Title Assistant Field Manager Leads & Mineral Resources	Office VERNAL FIELD OFFICE	

Application approval does not warrant or certify 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.

Electronic Submission #141536 verified by the BLM Well Information System  
For GASCO PRODUCTION COMPANY, sent to the Vernal  
Committed to AFMSS for processing by LESLIE ROBINSON on 07/03/2012 ()

NOTICE OF APPROVAL

UDOGM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*



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  
Well No: FEDERAL 333-30-9-19  
API No: 43-047-52872

Location: NESE, Sec. 30, T9S, R19E  
Lease No: UTU-37246  
Agreement:

**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**

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:blm_ut_vn_opreport@blm.gov">blm ut vn_opreport@blm.gov</a>
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify 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<sub>x</sub> 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<sub>x</sub> 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.

*Company/Operator:* Gasco Production Company

*Well Name & Numbers:* Federal 212-29-9-19, Federal 213-29-9-19, Federal 221-19-9-19, Federal 321-29-19, Federal 412-29-9-19, Federal 413-29-9-19, Federal 414-29-9-19, Federal 322-29-9-19, Federal 323-29-9-19, Federal 421-29-9-19, Federal 431-29-9-19, Federal 432-29-9-19, Federal 333-30-9-19, Federal 424-30-9-19, Federal 432-30-9-19, and Federal 442-30-9-19

*DOI-BLM-UT-G010-2013-132*

*Lease Number:* UTU-037246, UTU-76034, and UTU-76262

*Location:* Sections 29 and 30, T7S, R20E

**CONDITIONS OF APPROVAL:**

- All reclamation activities will comply with the Green River Reclamation Guidelines
- All vehicles and equipment shall be cleaned either through power-washing, or other approved method, if the vehicles or equipment were previously operated outside the Uinta Basin, to prevent weed seed introduction.
- All disturbance areas shall be monitored for noxious weeds annually, for a minimum of three growing seasons following completion of project or until desirable vegetation is established
- Noxious and invasive weeds will be controlled by the proponent throughout the area of project disturbance.
- Noxious weeds will be inventoried and reported to BLM in the annual reclamation report. Where an integrated pest management program is applicable, coordination has been undertaken with the state and local management program (if existing). A copy of the pest management plan will be submitted for each project.
- A pesticide use proposal (PUP) will be obtained for the project, by the proponent if applicable.
- A permitted paleontologist is to be present to monitor construction at the Federal 42-29-9-19 during all surface disturbing activities: examples include the following; building/or expansion of the well pad, access road, and pipelines.

This project involves drilling new wells on existing well pads, and includes 0.4 acres of disturbance from well pad expansion. Some areas that were previously disturbed will be redisturbed for this project.

Because of the close proximity of the existing wells to *Sclerocactus wetlandicus* individuals, the applicant has committed to the following measures

- Drilling on these well pads will be closed loop to limit the amount of re-disturbance and well pad expansion that will occur.
- The footprint of the well pads will be minimized as much as possible to minimize impacts to suitable Uinta Basin hookless cactus habitat. The BLM botanist will make recommendations for minimizing the footprint relative to Uinta Basin hookless cactus during the onsite. For example, on the 31-29-9-19 location, corner #2 will be moved to the edge of existing disturbance.
- A BLM-approved botanist will be on site during any construction and drilling operations to make sure activities do not impact plants. The BLM-approved botanist will install silt fencing at the edge of the proposed disturbance to prevent impacts to *Sclerocactus wetlandicus* individuals and will remove them at the end of construction.
- Any construction work associated with this proposed project will happen outside of flowering season (usually April through May) as determined by a BLM-approved botanist.
- Any backfill/spoils/topsoils will be stockpiled as far away from existing plants as possible (for example, on the side of the well pad that is furthest from existing plants).
- Water only (no chemicals, reclaimed production water, or oil field brine) will be used for project-related dust abatement from March through August, when *Sclerocactus* species are most vulnerable to dust-related impacts.
- Where the pipeline is within 50 feet of individual *Sclerocactus* plants or populations, the pipeline will either be hand-laid or laid by vehicles from the existing road and secured in place to prevent movement toward plants.
- After construction is completed, the BLM-approved botanist will provide a report to the BLM summarizing the methods and results of the avoidance measures.
- *Sclerocactus* spot checks will be conducted and approved for all planned disturbance areas on an annual basis the year following the 100% *Sclerocactus* clearance survey for this project. Results of spot checks may require additional pre-construction plant surveys as directed by the BLM and in coordination with the USFWS. If the proposed action or parts thereof have not occurred within four years of the original survey, coordination with the USFWS will be required and 100% clearance re-survey may be necessary prior to ground disturbing activities.
- Additional mitigation for project impacts in lieu of the 3-year *Sclerocactus* monitoring requirement (for plants within 300 feet of disturbance) may include contribution to the *Sclerocactus* mitigation fund, with the amount determined during section 7 consultation with the USFWS. This monetary amount must be paid by Gasco to the *Sclerocactus* Mitigation Fund-BLM within 90 days upon receipt of concurrence, or before construction of the Project begins. The payment should be made to; Sclerocactus Mitigation Fund-BLM, Michelle Olson, Manager, Impact-Directed Environmental Accounts, National Fish and Wildlife Foundation, 1133 Fifteenth Street NW, Suite 1100, Washington, DC 20005.
- Gasco agrees to identify well pads for participation restoration and reclamation work with BLM, USFWS and researchers from Utah State University.
- In order to mitigate for disturbance within Core Conservation Area Level 2 and to cactus within 300 feet of surface disturbances, Gasco Production Company will contribute \$5,400.00 to the *Sclerocactus* mitigation fund to aid in the recovery of the species.
  - Sclerocactus Mitigation Fund-BLM, Michelle Olson, Manager, Impact-Directed Environmental Accounts, National Fish and Wildlife Foundation, 1133 Fifteenth Street NW, Suite 1100, Washington, DC 20005

The best method to avoid entrainment is to pump from an off-channel location – one that does not connect to the river during high spring flows. An infiltration gallery constructed in a BLM and Service approved

location is best.

- If the pump head is located in the river channel where larval fish are known to occur, the following measures apply:
  - do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate larval fishes;
  - limit the amount of pumping, to the greatest extent possible, during that period of the year when larval fish may be present (April 1 to August 31); and
  - limit the amount of pumping, to the greatest extent possible, during the pre-dawn hours as larval drift studies indicate that this is a period of greatest daily activity.
  - screen all pump intakes with 3/32 inch mesh material.
  - approach velocities for intake structures will follow the National Marine Fisheries Service's document "Fish Screening Criteria for Anadromous Salmonids". For projects with an in-stream intake that operate in stream reaches where larval fish may be present, the approach velocity will not exceed 0.33 feet per second (ft/s).
- Report any fish impinged on the intake screen to the Service (801.975.3330) and the Utah Division of Wildlife Resources:

Northeastern Region  
318 North Vernal Ave, Vernal, UT 84078  
Phone: (435) 781-9453

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

**SITE SPECIFIC DOWNHOLE COAs:**

UTU-37246

Federal 333-30- 9-19

Federal 424-30- 9-19

Federal 432-30- 9-19

Federal 442-30- 9-19

- Coa casing upgrade required
- Gasco apd\_coa Downhole
- The operator's proposed surface casing of 8.625 " 28.0 # J-55 LT&C (straight string) does 'not' meet the regulatory standards for a burst design coefficient greater than 1.000. Operator's surface casing is to be upgraded in weight. Electronic/mechanical mud monitoring equipment shall include from surface casing shoe to TD a; pit volume totalizer (PVT); stroke counter; and flow sensor.
- 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. 10M BOPE shall meet all requirements of Onshore Order #2, including an Upper and Lower kelly cock valve described as an; Upper kelly cock valve with handle available; and Lower kelly cock valve with handle available.
- A variance is granted for Onshore Order #2 Drilling Operations III. E. "Blooie line discharge 100 feet from well bore and securely anchored" Blooie line can be 75 feet.
- All requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.

**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 by CD (compact disc). 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.
- For information regarding production reporting, contact the Office of Natural Resources Revenue (ONRR) at [www.ONRR.gov](http://www.ONRR.gov).
- 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.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> utu37246
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7.UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 333-30-9-19
<b>2. NAME OF OPERATOR:</b> GASCO PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43047528720000
<b>3. ADDRESS OF OPERATOR:</b> 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	<b>PHONE NUMBER:</b> 303 996-1805 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1990 FSL 0659 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 30 Township: 09.0S Range: 19.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> PARIETTE BENCH  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>8/11/2014</b>  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" 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 checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="New Directional Plan"/>

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

Gasco is proposing a revised casing program as outlined in the attached drilling plan as well as a revised directional drilling plan which is also attached.

**Approved by the**  
**August 04, 2014**  
**Oil, Gas and Mining**

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

By: 

<b>NAME (PLEASE PRINT)</b> Jessica Berg	<b>PHONE NUMBER</b> 303 996-1805	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/30/2014	

**Gasco Production Company**  
**Federal 333-30-9-19**  
**NESE, Section 30, Township 9 South, Range 19 East**  
**Uintah County, Utah**  
**Lease No. UTU- 37246**

ONSHORE OIL & GAS ORDER NO. 1

**Drilling Program**

**1. Estimated Tops of Important Geological Markers**

<b>Formation</b>	<b>Depth</b>	<b>Subsea</b>
Uinta	surface	surface
Green River	1630'	3170'
Wasatch	5220'	-390'
Dark Canyon	9050'	-4220'
Lower Mesaverde	10650'	-5820'
Castlegate	11500'	-6670'
Spring Canyon	12435'	-7605'
TVD	12735'	

**2. Estimated Depth of Anticipated Water, Oil, Gas or Mineral Formations**

<b>Substance</b>	<b>Formation</b>	<b>Depth</b>
Oil	Green River	3900' – 5220'
Gas	Wasatch	5500' – 9050'
Gas	Dark Canyon	9050' – 10649'
Gas	Lower Mesaverde	10650' - 11499'
Gas	Spring Canyon	12330' – 12735'

All fresh water and 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**

All well control equipment will be in accordance to Onshore Order No. 2 for 10M Systems and are as follows:

10,000# BOP with 4 ½" Pipe Rams  
10,000# BOP with Blind Rams  
5,000# Annular

Ram type preventers and associated equipment shall be tested to the 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 on 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.

### **Pressure Control Equipment Continued**

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 BPOPE 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 RP 53 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 cement plugs.

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

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not yet been chosen to drill this well, most of the equipment for this depth will utilize 10M working BOP.
- b. A choke line and 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 Program

	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Grade</u>	<u>Type</u>
Conductor	100'	20"	16"	H-40 #48	STC
Surface	3500'	11"	8 5/8"	J-55 #32	LTC
Production	12,903'	7 7/8"	4 1/2"	HCP-110#13.5	LTC

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

##### d. Cement Program

	<u>Est. Top of Cement</u>	<u>Sacks/Cement Type</u>	<u>Yield</u>	<u>Supply Wt.</u>	
Conductor	surface	110/ POZ /Ready Mix			
Surface	surface	465/ Premium Lite II	3.21	11.0	Lead
		145 Class G	1.17	15.8	Tail
Production	surface	550/ Premium Lite II	2.26	12.0	Lead
		1530/ 50/50 POZ	1.31	14.3	Tail

e. 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.

f. 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.

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

1. Progress reports, form 3160-5 "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 log must be submitted for each well where the casing cement was not circulated to the surface.

h. Auxiliary equipment to be used is as follows:

1. Kelly cock
2. A bit float
3. A sub with full opening valve.

**5. Drilling Fluids Program:**

<u>Interval</u>	<u>Type</u>	<u>Wt. (ppg)</u>	<u>Viscosity</u>	<u>pH</u>	<u>Water Loss</u>
0-100'	Air Mist	8.33	NA	NA	NA
100'-3500'	Air Mist	9.0	35	NA	NA
3500'-TD	Water Based Mud	8.3 – 11.6		10-10.5	NA

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

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

c. 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.

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

e. Water will come from: Water Right No. 41-3530.

f. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".

g. No water well will be drilled on this lease

**6. Evaluation Program**

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

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

Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer (AO). 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 AO. Closed chamber DST's 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 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 Schlumberger Platform Express (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 no later than 30 days after the 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 tested data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4.

Samples (cuttings, fluids, and/or gases will be submitted when requested by the AO.

e. The anticipated completion program is as follows: Perform multistage fracs and complete all productive zones present in the 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 and Pressures**

a. The expected bottom hole pressure is 7550psig

The maximum bottom hole temperature anticipated is 210 degrees Fahrenheit.

b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 10000# BOP and rotating head.

## **8. Anticipated Starting Dates and Notifications of Operations**

a. Drilling is anticipated to commence immediately upon approval

b. It is anticipated that the drilling of this well will take approximately 25 days.

- c. The Vernal BLM and UDOGM shall be notified of the anticipated date of location construction and 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 to approval from the AO will be obtained and notification given before resuming operations.
- e. The spud date will be reported orally to the AO within 48 hours of spudding. If the spudding occurs on a weekend or holiday, the report will be submitted via voice mail and/or e-mail to the AO.
- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report 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 and UDOGM.
- g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual or undesirable events shall be reported promptly to the AO 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, or 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 on producing status. Written notification, e-mail or otherwise, will be sent no 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 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 test, 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 authorized test period.
- l. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the BLM, Vernal Field Office and UDOGM within 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 commence without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed within 30 days following the

completion of the well for abandonment. The report will indicate where plugs were placed and the current status of the surface restoration. Final abandonment will not be approved until the surface reclamation work has been completed to the satisfaction of the AO.

o. Pursuant to Onshore Oil and Gas Order No.1, lessees and operators have the responsibility of operating in a manner which conforms with the applicable Federal laws and regulations and with the State and local laws and regulations to the extent that such laws are applicable to operations on Federal lands.

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

Phone: (435)781-4400

Fax: (435)781-4410

After Hours:

Michael Lee Petroleum Engineer (435)828-4470

Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84116

Phone 801-538-5340

Fax 801-539-3940

# **Gasco Energy**

**Uintah Co., UT**

**Sec.30 - T9S - R19E**

**Federal #333-30-9-19**

**Wellbore #1**

**Plan: Design #2**

## **Standard Survey Report**

**25 February, 2014**

**Gyrodata, Inc.**

Survey Report

<b>Company:</b>	Gasco Energy	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19
<b>Project:</b>	Uintah Co., UT	<b>TVD Reference:</b>	WELL @ 4835.0usft (Original Well Elev)
<b>Site:</b>	Sec.30 - T9S - R19E	<b>MD Reference:</b>	WELL @ 4835.0usft (Original Well Elev)
<b>Well:</b>	Federal #333-30-9-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #2	<b>Database:</b>	EDM 5000.1 Single User Db

<b>Project</b>	Uintah Co., UT		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

<b>Site</b>	Sec.30 - T9S - R19E				
<b>Site Position:</b>		<b>Northing:</b>	611,569.11 usft	<b>Latitude:</b>	40° 0' 0.788 N
<b>From:</b>	Map	<b>Easting:</b>	2,471,902.05 usft	<b>Longitude:</b>	109° 48' 55.411 W
<b>Position Uncertainty:</b>	0.0 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	1.08 °

<b>Well</b>	Federal #333-30-9-19					
<b>Well Position</b>	<b>+N/-S</b>	0.0 usft	<b>Northing:</b>	611,539.98 usft	<b>Latitude:</b>	40° 0' 0.500 N
	<b>+E/-W</b>	0.0 usft	<b>Easting:</b>	2,471,902.59 usft	<b>Longitude:</b>	109° 48' 55.411 W
<b>Position Uncertainty</b>		0.0 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	4,810.0 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	5/22/2013	10.96	65.76	52,095

<b>Design</b>	Design #2				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.0	
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>	
	0.0	0.0	0.0	263.42	

<b>Survey Tool Program</b>	<b>Date</b>	2/25/2014			
<b>From (usft)</b>	<b>To (usft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
0.0	12,903.0	Design #2 (Wellbore #1)	MWD	MWD - Standard	

<b>Planned Survey</b>										
<b>Measured Depth (usft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Vertical Section (usft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00	
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00	
<b>13 3/8"</b>										
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00	
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00	
<b>Start Build 2.00</b>										
400.0	2.00	263.42	400.0	-0.2	-1.7	1.7	2.00	2.00	0.00	
500.0	4.00	263.42	499.8	-0.8	-6.9	7.0	2.00	2.00	0.00	
600.0	6.00	263.42	599.5	-1.8	-15.6	15.7	2.00	2.00	0.00	
700.0	8.00	263.42	698.7	-3.2	-27.7	27.9	2.00	2.00	0.00	

## Gyrodata, Inc.

## Survey Report

<b>Company:</b>	Gasco Energy	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19
<b>Project:</b>	Uintah Co., UT	<b>TVD Reference:</b>	WELL @ 4835.0usft (Original Well Elev)
<b>Site:</b>	Sec.30 - T9S - R19E	<b>MD Reference:</b>	WELL @ 4835.0usft (Original Well Elev)
<b>Well:</b>	Federal #333-30-9-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #2	<b>Database:</b>	EDM 5000.1 Single User Db

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
800.0	10.00	263.42	797.5	-5.0	-43.2	43.5	2.00	2.00	0.00
900.0	12.00	263.42	895.6	-7.2	-62.2	62.6	2.00	2.00	0.00
1,000.0	14.00	263.42	993.1	-9.7	-84.5	85.1	2.00	2.00	0.00
1,050.0	15.00	263.42	1,041.5	-11.2	-97.0	97.6	2.00	2.00	0.00
<b>Start 4429.5 hold at 1050.0 MD</b>									
1,100.0	15.00	263.42	1,089.8	-12.7	-109.8	110.6	0.00	0.00	0.00
1,200.0	15.00	263.42	1,186.4	-15.6	-135.5	136.4	0.00	0.00	0.00
1,300.0	15.00	263.42	1,282.9	-18.6	-161.3	162.3	0.00	0.00	0.00
1,400.0	15.00	263.42	1,379.5	-21.6	-187.0	188.2	0.00	0.00	0.00
1,500.0	15.00	263.42	1,476.1	-24.5	-212.7	214.1	0.00	0.00	0.00
1,600.0	15.00	263.42	1,572.7	-27.5	-238.4	240.0	0.00	0.00	0.00
1,700.0	15.00	263.42	1,669.3	-30.5	-264.1	265.8	0.00	0.00	0.00
1,800.0	15.00	263.42	1,765.9	-33.4	-289.8	291.7	0.00	0.00	0.00
1,900.0	15.00	263.42	1,862.5	-36.4	-315.5	317.6	0.00	0.00	0.00
2,000.0	15.00	263.42	1,959.1	-39.4	-341.2	343.5	0.00	0.00	0.00
2,100.0	15.00	263.42	2,055.7	-42.3	-366.9	369.4	0.00	0.00	0.00
2,200.0	15.00	263.42	2,152.3	-45.3	-392.7	395.3	0.00	0.00	0.00
2,300.0	15.00	263.42	2,248.9	-48.3	-418.4	421.1	0.00	0.00	0.00
2,400.0	15.00	263.42	2,345.5	-51.2	-444.1	447.0	0.00	0.00	0.00
2,500.0	15.00	263.42	2,442.1	-54.2	-469.8	472.9	0.00	0.00	0.00
2,560.0	15.00	263.42	2,500.0	-56.0	-485.2	488.4	0.00	0.00	0.00
<b>8 5/8"</b>									
2,600.0	15.00	263.42	2,538.6	-57.1	-495.5	498.8	0.00	0.00	0.00
2,700.0	15.00	263.42	2,635.2	-60.1	-521.2	524.7	0.00	0.00	0.00
2,800.0	15.00	263.42	2,731.8	-63.1	-546.9	550.5	0.00	0.00	0.00
2,900.0	15.00	263.42	2,828.4	-66.0	-572.6	576.4	0.00	0.00	0.00
3,000.0	15.00	263.42	2,925.0	-69.0	-598.3	602.3	0.00	0.00	0.00
3,100.0	15.00	263.42	3,021.6	-72.0	-624.1	628.2	0.00	0.00	0.00
3,200.0	15.00	263.42	3,118.2	-74.9	-649.8	654.1	0.00	0.00	0.00
3,300.0	15.00	263.42	3,214.8	-77.9	-675.5	680.0	0.00	0.00	0.00
3,400.0	15.00	263.42	3,311.4	-80.9	-701.2	705.8	0.00	0.00	0.00
3,500.0	15.00	263.42	3,408.0	-83.8	-726.9	731.7	0.00	0.00	0.00
3,600.0	15.00	263.42	3,504.6	-86.8	-752.6	757.6	0.00	0.00	0.00
3,700.0	15.00	263.42	3,601.2	-89.8	-778.3	783.5	0.00	0.00	0.00
3,800.0	15.00	263.42	3,697.8	-92.7	-804.0	809.4	0.00	0.00	0.00
3,900.0	15.00	263.42	3,794.4	-95.7	-829.7	835.2	0.00	0.00	0.00
4,000.0	15.00	263.42	3,890.9	-98.7	-855.5	861.1	0.00	0.00	0.00
4,100.0	15.00	263.42	3,987.5	-101.6	-881.2	887.0	0.00	0.00	0.00
4,200.0	15.00	263.42	4,084.1	-104.6	-906.9	912.9	0.00	0.00	0.00
4,300.0	15.00	263.42	4,180.7	-107.6	-932.6	938.8	0.00	0.00	0.00
4,400.0	15.00	263.42	4,277.3	-110.5	-958.3	964.7	0.00	0.00	0.00
4,500.0	15.00	263.42	4,373.9	-113.5	-984.0	990.5	0.00	0.00	0.00
4,600.0	15.00	263.42	4,470.5	-116.5	-1,009.7	1,016.4	0.00	0.00	0.00
4,700.0	15.00	263.42	4,567.1	-119.4	-1,035.4	1,042.3	0.00	0.00	0.00

## Gyrodata, Inc.

## Survey Report

<b>Company:</b>	Gasco Energy	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19
<b>Project:</b>	Uintah Co., UT	<b>TVD Reference:</b>	WELL @ 4835.0usft (Original Well Elev)
<b>Site:</b>	Sec.30 - T9S - R19E	<b>MD Reference:</b>	WELL @ 4835.0usft (Original Well Elev)
<b>Well:</b>	Federal #333-30-9-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #2	<b>Database:</b>	EDM 5000.1 Single User Db

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
4,800.0	15.00	263.42	4,663.7	-122.4	-1,061.2	1,068.2	0.00	0.00	0.00
4,900.0	15.00	263.42	4,760.3	-125.4	-1,086.9	1,094.1	0.00	0.00	0.00
5,000.0	15.00	263.42	4,856.9	-128.3	-1,112.6	1,120.0	0.00	0.00	0.00
5,100.0	15.00	263.42	4,953.5	-131.3	-1,138.3	1,145.8	0.00	0.00	0.00
5,200.0	15.00	263.42	5,050.1	-134.2	-1,164.0	1,171.7	0.00	0.00	0.00
5,300.0	15.00	263.42	5,146.6	-137.2	-1,189.7	1,197.6	0.00	0.00	0.00
5,375.9	15.00	263.42	5,220.0	-139.5	-1,209.2	1,217.3	0.00	0.00	0.00
<b>Wasatch</b>									
5,400.0	15.00	263.42	5,243.2	-140.2	-1,215.4	1,223.5	0.00	0.00	0.00
5,479.5	15.00	263.42	5,320.0	-142.5	-1,235.9	1,244.0	0.00	0.00	0.00
<b>Start Drop -2.00</b>									
5,500.0	14.59	263.42	5,339.9	-143.1	-1,241.1	1,249.3	2.00	-2.00	0.00
5,600.0	12.59	263.42	5,437.0	-145.8	-1,264.4	1,272.8	2.00	-2.00	0.00
5,700.0	10.59	263.42	5,535.0	-148.1	-1,284.4	1,292.9	2.00	-2.00	0.00
5,800.0	8.59	263.42	5,633.6	-150.0	-1,300.9	1,309.5	2.00	-2.00	0.00
5,900.0	6.59	263.42	5,732.7	-151.5	-1,314.0	1,322.7	2.00	-2.00	0.00
6,000.0	4.59	263.42	5,832.2	-152.7	-1,323.7	1,332.5	2.00	-2.00	0.00
6,100.0	2.59	263.42	5,932.0	-153.4	-1,329.9	1,338.7	2.00	-2.00	0.00
6,200.0	0.59	263.42	6,032.0	-153.7	-1,332.7	1,341.5	2.00	-2.00	0.00
6,229.5	0.00	0.00	6,061.5	-153.7	-1,332.8	1,341.7	2.00	-2.00	0.00
<b>Start 6673.5 hold at 6229.5 MD</b>									
6,300.0	0.00	0.00	6,132.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
6,400.0	0.00	0.00	6,232.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
6,500.0	0.00	0.00	6,332.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
6,600.0	0.00	0.00	6,432.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
6,700.0	0.00	0.00	6,532.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
6,800.0	0.00	0.00	6,632.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
6,900.0	0.00	0.00	6,732.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
7,000.0	0.00	0.00	6,832.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
7,100.0	0.00	0.00	6,932.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
7,200.0	0.00	0.00	7,032.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
7,300.0	0.00	0.00	7,132.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
7,400.0	0.00	0.00	7,232.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
7,500.0	0.00	0.00	7,332.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
7,600.0	0.00	0.00	7,432.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
7,700.0	0.00	0.00	7,532.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
7,800.0	0.00	0.00	7,632.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
7,900.0	0.00	0.00	7,732.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
8,000.0	0.00	0.00	7,832.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
8,100.0	0.00	0.00	7,932.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
8,200.0	0.00	0.00	8,032.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
8,300.0	0.00	0.00	8,132.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
8,400.0	0.00	0.00	8,232.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00

## Gyrodata, Inc.

## Survey Report

<b>Company:</b>	Gasco Energy	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19
<b>Project:</b>	Uintah Co., UT	<b>TVD Reference:</b>	WELL @ 4835.0usft (Original Well Elev)
<b>Site:</b>	Sec.30 - T9S - R19E	<b>MD Reference:</b>	WELL @ 4835.0usft (Original Well Elev)
<b>Well:</b>	Federal #333-30-9-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #2	<b>Database:</b>	EDM 5000.1 Single User Db

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
8,500.0	0.00	0.00	8,332.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
8,600.0	0.00	0.00	8,432.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
8,700.0	0.00	0.00	8,532.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
8,800.0	0.00	0.00	8,632.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
8,900.0	0.00	0.00	8,732.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
9,000.0	0.00	0.00	8,832.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
9,100.0	0.00	0.00	8,932.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
9,200.0	0.00	0.00	9,032.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
9,218.0	0.00	0.00	9,050.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
<b>Dark Canyon</b>									
9,300.0	0.00	0.00	9,132.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
9,400.0	0.00	0.00	9,232.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
9,500.0	0.00	0.00	9,332.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
9,600.0	0.00	0.00	9,432.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
9,700.0	0.00	0.00	9,532.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
9,800.0	0.00	0.00	9,632.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
9,900.0	0.00	0.00	9,732.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
10,000.0	0.00	0.00	9,832.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
10,100.0	0.00	0.00	9,932.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
10,200.0	0.00	0.00	10,032.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
10,300.0	0.00	0.00	10,132.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
10,400.0	0.00	0.00	10,232.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
10,500.0	0.00	0.00	10,332.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
10,600.0	0.00	0.00	10,432.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
10,700.0	0.00	0.00	10,532.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
10,800.0	0.00	0.00	10,632.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
10,818.0	0.00	0.00	10,650.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
<b>Lower Mesaverde</b>									
10,900.0	0.00	0.00	10,732.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
11,000.0	0.00	0.00	10,832.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
11,100.0	0.00	0.00	10,932.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
11,200.0	0.00	0.00	11,032.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
11,300.0	0.00	0.00	11,132.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
11,400.0	0.00	0.00	11,232.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
11,500.0	0.00	0.00	11,332.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
11,600.0	0.00	0.00	11,432.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
11,668.0	0.00	0.00	11,500.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
<b>Castlegate</b>									
11,700.0	0.00	0.00	11,532.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
11,800.0	0.00	0.00	11,632.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
11,900.0	0.00	0.00	11,732.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
12,000.0	0.00	0.00	11,832.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
12,100.0	0.00	0.00	11,932.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
12,200.0	0.00	0.00	12,032.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00

## Gyrodata, Inc.

## Survey Report

<b>Company:</b>	Gasco Energy	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19
<b>Project:</b>	Uintah Co., UT	<b>TVD Reference:</b>	WELL @ 4835.0usft (Original Well Elev)
<b>Site:</b>	Sec.30 - T9S - R19E	<b>MD Reference:</b>	WELL @ 4835.0usft (Original Well Elev)
<b>Well:</b>	Federal #333-30-9-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #2	<b>Database:</b>	EDM 5000.1 Single User Db

## Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
12,300.0	0.00	0.00	12,132.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
12,400.0	0.00	0.00	12,232.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
12,500.0	0.00	0.00	12,332.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
12,593.0	0.00	0.00	12,425.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
<b>Spring Canyon</b>									
12,600.0	0.00	0.00	12,432.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
12,700.0	0.00	0.00	12,532.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
12,800.0	0.00	0.00	12,632.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
12,903.0	0.00	0.00	12,735.0	-153.7	-1,332.8	1,341.7	0.00	0.00	0.00
<b>TD at 12903.0</b>									

## Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL Fed. 333-30-9-19 - plan misses target center by 0.5usft at 12903.0usft MD (12735.0 TVD, -153.7 N, -1332.8 E) - Point	0.00	0.00	12,735.0	-153.7	-1,332.4	611,361.25	2,470,573.35	39° 59' 58.981 N	109° 49' 12.533 W

## Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
100.0	100.0	13 3/8"	13-3/8	17-1/2
2,560.0	2,500.0	8 5/8"	8-5/8	12-1/4

## Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,375.9	5,195.0	Wasatch		0.00	
9,218.0	9,025.0	Dark Canyon		0.00	
10,818.0	10,625.0	Lower Mesaverde		0.00	
11,668.0	11,475.0	Castlegate		0.00	
12,593.0	12,400.0	Spring Canyon		0.00	
12,903.0	12,710.0	TD		0.00	

**Gyrodata, Inc.**

Survey Report

<b>Company:</b>	Gasco Energy	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19
<b>Project:</b>	Uintah Co., UT	<b>TVD Reference:</b>	WELL @ 4835.0usft (Original Well Elev)
<b>Site:</b>	Sec.30 - T9S - R19E	<b>MD Reference:</b>	WELL @ 4835.0usft (Original Well Elev)
<b>Well:</b>	Federal #333-30-9-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	Wellbore #1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Design #2	<b>Database:</b>	EDM 5000.1 Single User Db

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
300	300	0	0	Start Build 2.00
1050	1041	-11	-97	Start 4429.5 hold at 1050.0 MD
5479	5320	-143	-1236	Start Drop -2.00
6229	6061	-154	-1333	Start 6673.5 hold at 6229.5 MD
12,903	12,735	-154	-1333	TD at 12903.0

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_



SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	300.0	0.00	0.00	300.0	0.0	0.0	0.00	0.00	0.0	
3	1050.0	15.00	263.42	1041.5	-11.2	-97.0	2.00	263.42	97.6	PBHL Fed. 333-30-9-19
4	5479.5	15.00	263.42	5320.0	-142.5	-1235.9	0.00	0.00	1244.0	
5	6229.5	0.00	0.00	6061.5	-153.7	-1332.8	2.00	180.00	1341.7	
6	12903.0	0.00	0.00	12735.0	-153.7	-1332.8	0.00	0.00	1341.7	PBHL Fed. 333-30-9-19

WELL DETAILS: Federal #333-30-9-19

Ground Elev: 4810.0						
WELL @ 4835.0usft (Original Well Elev)						
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	611539.98	2471902.59	40° 0' 0.500 N	109° 48' 55.411 W	

WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape Point
PBHL Fed. 333-30-9-19	12735.0	-153.7	-1332.4	611361.24	2470573.35	

ANNOTATIONS

TVD	MD	Annotation
300.0	300.0	Start Build 2.00
1041.5	1050.0	Start 4429.5 hold at 1050.0 MD
5320.0	5479.5	Start Drop -2.00
6061.5	6229.5	Start 6673.5 hold at 6229.5 MD
12735.0	12903.0	TD at 12903.0

FORMATION TOPS ALONG WELLPATH

TVDPath	MDPath	Formation
5220.0	5375.9	Wasatch
9050.0	9218.0	Dark Canyon
10650.0	10818.0	Lower Mesaverde
11500.0	11668.0	Castlegate
12425.0	12593.0	Spring Canyon
12735.0	12903.0	TD

CASING DETAILS

TVD	MD	Name	Size
100.0	100.0	13 3/8"	13-3/8
2500.0	2560.0	8 5/8"	8-5/8

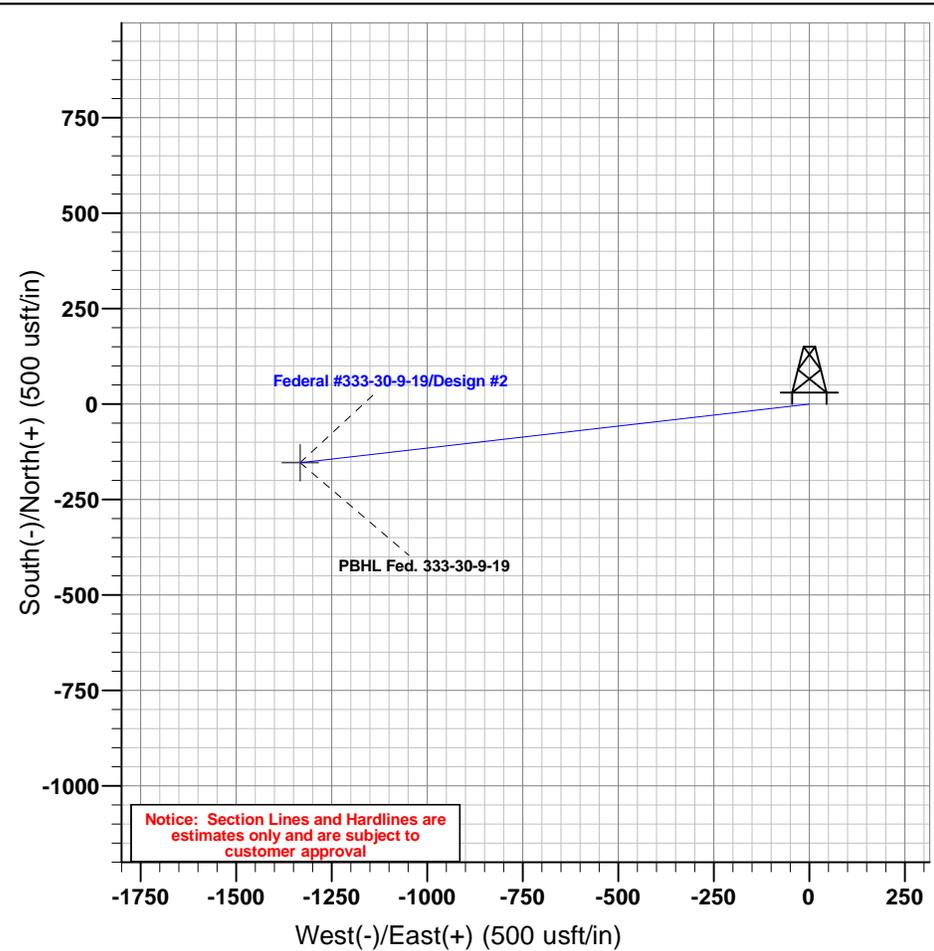
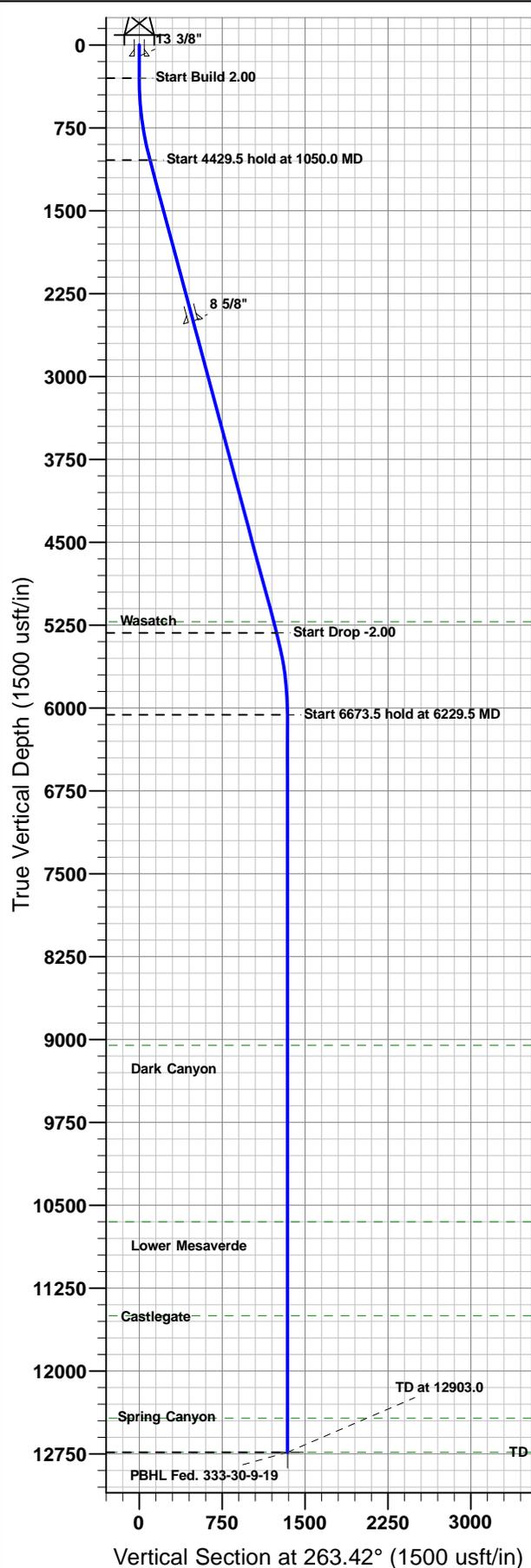
Plan: Design #2 (Federal #333-30-9-19/Wellbore #1)

Created By: M. Loucks Date: 13:12, February 25 2014



Azimuths to True North  
Magnetic North: 10.96°

Magnetic Field  
Strength: 52094.6snT  
Dip Angle: 65.76°  
Date: 5/22/2013  
Model: IGRF2010



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> utu37246
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 333-30-9-19	
<b>2. NAME OF OPERATOR:</b> GASCO PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43047528720000	
<b>3. ADDRESS OF OPERATOR:</b> 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	<b>PHONE NUMBER:</b> 303 996-1805 Ext	<b>9. FIELD and POOL or WILDCAT:</b> PARIETTE BENCH
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1990 FSL 0659 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 30 Township: 09.0S Range: 19.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 8/2/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS 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. Gasco spud this well 8/2/14. Drilled a 20" hole and cemented 100' of 16", H-40, 48# STC conductor.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          August 08, 2014</b>		
<b>NAME (PLEASE PRINT)</b> Jessica Berg	<b>PHONE NUMBER</b> 303 996-1805	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/7/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: utu37246
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME:
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1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: FEDERAL 333-30-9-19
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2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	9. API NUMBER: 43047528720000
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3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	PHONE NUMBER: 303 996-1805 Ext	9. FIELD and POOL or WILDCAT: PARIETTE BENCH
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 1990 FSL 0659 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 30 Township: 09.0S Range: 19.0E Meridian: S	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"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/18/2014  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="Change to APD"/>

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

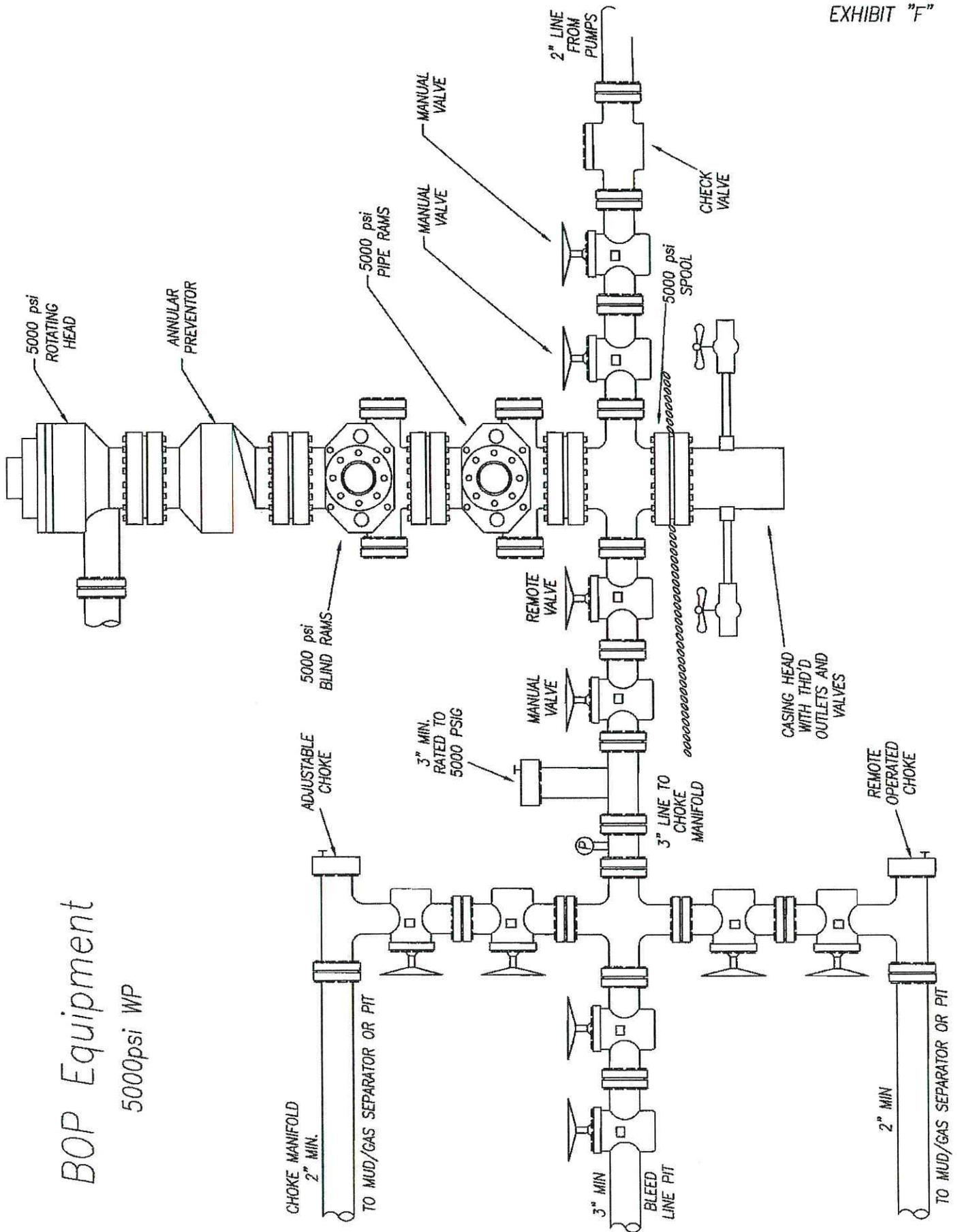
Gasco requests approval to use a 5M BOP while drilling this well per the attached diagram and revised drilling plan.

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

Date: September 18, 2014

By: *Derek Quist*

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 9/18/2014



BOP Equipment  
5000psi WP

**Gasco Production Company**  
**Federal 333-30-9-19**  
**NESE, Section 30, Township 9 South, Range 19 East**  
**Uintah County, Utah**  
**Lease No. UTU- 37246**

ONSHORE OIL & GAS ORDER NO. 1

**Drilling Program**

**1. Estimated Tops of Important Geological Markers**

<b>Formation</b>	<b>Depth</b>	<b>Subsea</b>
Uinta	surface	surface
Green River	1630'	3170'
Wasatch	5220'	-390'
Dark Canyon	9050'	-4220'
Lower Mesaverde	10650'	-5820'
Castlegate	11500'	-6670'
Spring Canyon	12435'	-7605'
TVD	12735'	

**2. Estimated Depth of Anticipated Water, Oil, Gas or Mineral Formations**

<b>Substance</b>	<b>Formation</b>	<b>Depth</b>
Oil	Green River	3900' – 5220'
Gas	Wasatch	5500' – 9050'
Gas	Dark Canyon	9050' – 10649'
Gas	Lower Mesaverde	10650' - 11499'
Gas	Spring Canyon	12330' – 12735'

All fresh water and 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**

All well control equipment will be in accordance to Onshore Order No. 2 for 5M Systems and are as follows:

5,000# BOP with 4 ½" Pipe Rams  
5,000# BOP with Blind Rams  
5,000# Annular

Ram type preventers and associated equipment shall be tested to the 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 on 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.

### **Pressure Control Equipment Continued**

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 BPOPE 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 RP 53 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 cement plugs.

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

- a. The size and rating of the BOP stack is shown on the attached diagram. Although a rig has not yet been chosen to drill this well, most of the equipment for this depth will utilize 5M working BOP.
- b. A choke line and 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 Program

	<u>Depth</u>	<u>Hole Size</u>	<u>O.D.</u>	<u>Grade</u>	<u>Type</u>
Conductor	100'	20"	16"	H-40 #48	STC
Surface	3500'	11"	8 5/8"	J-55 #32	LTC
Production	12,903'	7 7/8"	4 1/2"	HCP-110#13.5	LTC

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

##### d. Cement Program

	<u>Est. Top of Cement</u>	<u>Sacks/Cement Type</u>	<u>Yield</u>	<u>Supply Wt.</u>	
Conductor	surface	110/ POZ /Ready Mix			
Surface	surface	465/ Premium Lite II	3.21	11.0	Lead
		145 Class G	1.17	15.8	Tail
Production	surface	550/ Premium Lite II	2.26	12.0	Lead
		1530/ 50/50 POZ	1.31	14.3	Tail

e. 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.

f. 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.

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

1. Progress reports, form 3160-5 "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 log must be submitted for each well where the casing cement was not circulated to the surface.

h. Auxiliary equipment to be used is as follows:

1. Kelly cock
2. A bit float
3. A sub with full opening valve.

**5. Drilling Fluids Program:**

<u>Interval</u>	<u>Type</u>	<u>Wt. (ppg)</u>	<u>Viscosity</u>	<u>pH</u>	<u>Water Loss</u>
0-100'	Air Mist	8.33	NA	NA	NA
100'-3500'	Air Mist	9.0	35	NA	NA
3500'-TD	Water Based Mud	8.3 – 11.8		10-10.5	NA

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

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

c. 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.

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

e. Water will come from: Water Right No. 41-3530.

f. Water will be hauled by commercial transport over the access roads shown on Attached Maps "A" and "B".

g. No water well will be drilled on this lease

**6. Evaluation Program**

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

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

Initial opening of the drill stem test tools shall be restricted to daylight hours unless specific approval to start during other hours is obtained from the authorized officer (AO). 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 AO. Closed chamber DST's 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 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 Schlumberger Platform Express (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 no later than 30 days after the 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 tested data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4.

Samples (cuttings, fluids, and/or gases will be submitted when requested by the AO.

e. The anticipated completion program is as follows: Perform multistage fracs and complete all productive zones present in the 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 and Pressures**

a. The expected bottom hole pressure is 7550psig

The maximum bottom hole temperature anticipated is 210 degrees Fahrenheit.

b. No hydrogen sulfide gas is anticipated. Abnormal pressures will be controlled with mud weight and 5000# BOP and rotating head.

## **8. Anticipated Starting Dates and Notifications of Operations**

a. Drilling is anticipated to commence immediately upon approval

b. It is anticipated that the drilling of this well will take approximately 25 days.

- c. The Vernal BLM and UDOGM shall be notified of the anticipated date of location construction and 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 to approval from the AO will be obtained and notification given before resuming operations.
- e. The spud date will be reported orally to the AO within 48 hours of spudding. If the spudding occurs on a weekend or holiday, the report will be submitted via voice mail and/or e-mail to the AO.
- f. In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6 "Monthly Report 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 and UDOGM.
- g. Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual or undesirable events shall be reported promptly to the AO 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, or 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 on producing status. Written notification, e-mail or otherwise, will be sent no 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 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 test, 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 authorized test period.
- l. A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9.d.), shall be submitted to the BLM, Vernal Field Office and UDOGM within 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 commence without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed within 30 days following the

completion of the well for abandonment. The report will indicate where plugs were placed and the current status of the surface restoration. Final abandonment will not be approved until the surface reclamation work has been completed to the satisfaction of the AO.

o. Pursuant to Onshore Oil and Gas Order No.1, lessees and operators have the responsibility of operating in a manner which conforms with the applicable Federal laws and regulations and with the State and local laws and regulations to the extent that such laws are applicable to operations on Federal lands.

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

Phone: (435)781-4400

Fax: (435)781-4410

After Hours:

Michael Lee Petroleum Engineer (435)828-4470

Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84116

Phone 801-538-5340

Fax 801-539-3940

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: utu37246
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME:
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 1990 FSL 0659 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 30 Township: 09.0S Range: 19.0E Meridian: S	COUNTY: UINTAH  STATE: UTAH

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

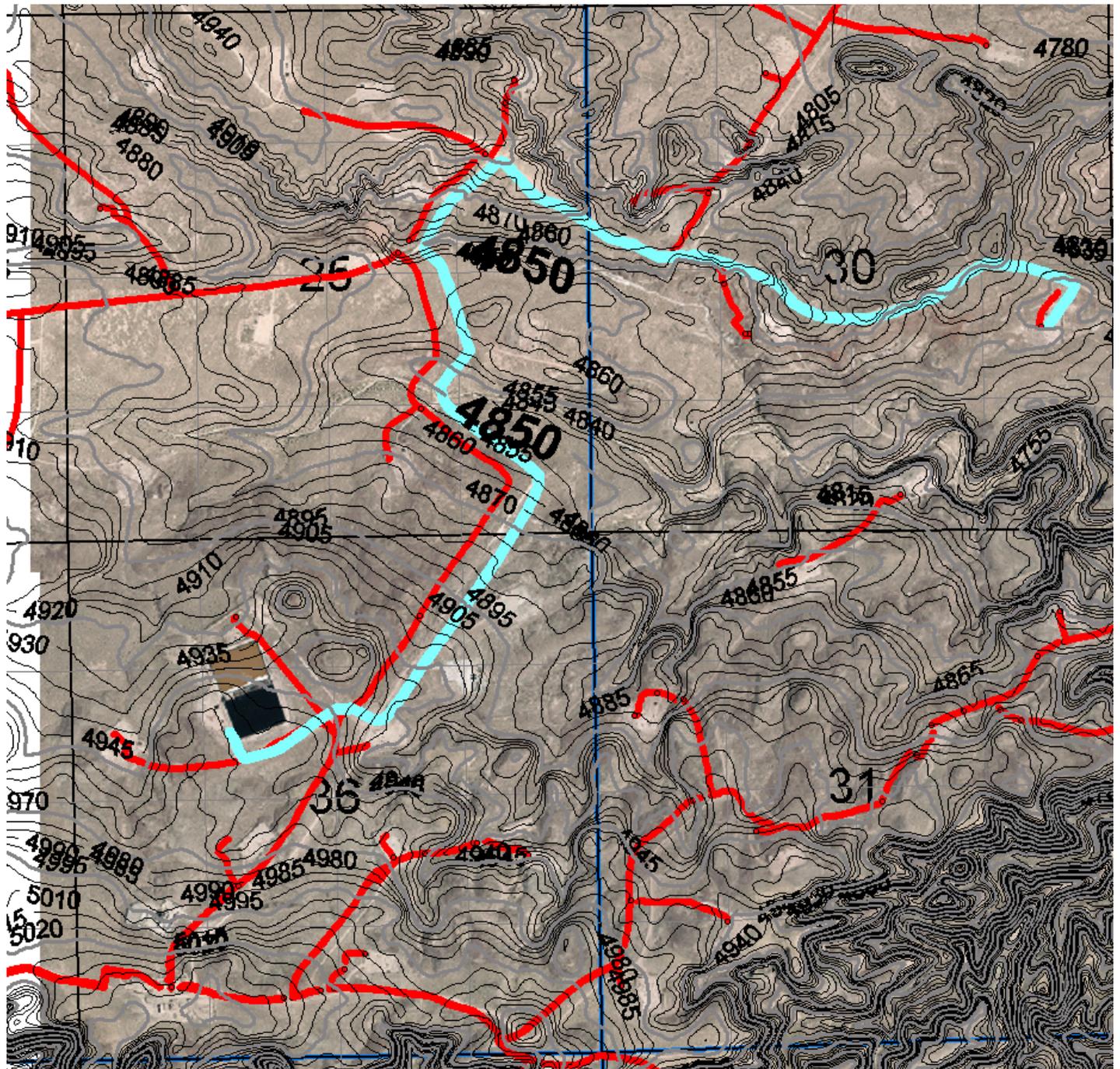
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/1/2014  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report 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 checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input type="text" value="Temporary Water Lines"/>

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

Gasco intends to lay approximately 15,938' of 10" lay-flat hose along the bar ditch of the road from the Desert Spring Evap Facility Pit #1 (South pit) located in the SENW of Section 36-9S-18E to the Fed 43-30-9-19 well pad to service the following wells: Fed 332-30-9-19, Fed 333-30-9-19, Fed 423-30-9-19, Fed 442-30-9-19 All lay-flat hose connections will be a twist and lock connection. Road crossings will have a one foot deep culvert installed. Gasco will use produced water from the evap pond and treat it by running it through a 150 micron filter then injecting MC B-8614 Biocide in the line. It will be pumped into frac tanks on location. All pumps will have containment under them. Gasco also will use the line to pump flowback water to the evap disposal facility. The lines will be in use for approx. 60 days. Lines will be monitored regularly for leaks throughout operations.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 October 29, 2014**

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 9/22/2014	



Approximately 15,938' from Desert Spring State Evap Facility to Pad in NESE of Section 30-9S-19E

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5.LEASE DESIGNATION AND SERIAL NUMBER:</b> utu37246
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7.UNIT or CA AGREEMENT NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> FEDERAL 333-30-9-19
<b>2. NAME OF OPERATOR:</b> GASCO PRODUCTION COMPANY	<b>9. API NUMBER:</b> 43047528720000
<b>3. ADDRESS OF OPERATOR:</b> 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	<b>PHONE NUMBER:</b> 303 996-1805 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1990 FSL 0659 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 30 Township: 09.0S Range: 19.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> PARIETTE BENCH  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/29/2014	<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 checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width:100px;" type="text"/>

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

This well was put on production and had first sales at 7:00 AM on  
12/29/2014.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 January 08, 2015

<b>NAME (PLEASE PRINT)</b> Lindsey J. Cooke	<b>PHONE NUMBER</b> 303 996-1834	<b>TITLE</b> Production Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/7/2015	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: utu37246
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: FEDERAL 333-30-9-19
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	9. API NUMBER: 43047528720000
3. ADDRESS OF OPERATOR: 7979 East Tufts Avenue, Suite 1150 , Denver, CO, 80237	PHONE NUMBER: 303 996-1805 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1990 FSL 0659 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 30 Township: 09.0S Range: 19.0E Meridian: S	9. FIELD and POOL or WILDCAT: PARIETTE BENCH  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"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/29/2014  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input checked="" type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

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

Gasco intends to primarily dispose of produced water at the Desert Spring State Evaporation Facility and the Eight Mile Flat Evaporation Facility owned by Monarch Natural Gas, LLC. Gasco may also utilize the following State approved disposal facilities: Brennan Bottom Disposal, Environmental Energy Innovations, Integrated Water Management, LLC, Iowa Tanklines, Inc., RN Industries, Inc., and Western Water Solutions.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 January 30, 2015**

<b>NAME (PLEASE PRINT)</b> Lindsey J. Cooke	<b>PHONE NUMBER</b> 303 996-1834	<b>TITLE</b> Production Tech
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/7/2015	

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

AMENDED REPORT  FORM 8  
(highlight changes)

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>		5. LEASE DESIGNATION AND SERIAL NUMBER:
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME
2. NAME OF OPERATOR:		8. WELL NAME and NUMBER:
3. ADDRESS OF OPERATOR: CITY _____ STATE _____ ZIP _____ PHONE NUMBER: _____		9. API NUMBER:
4. LOCATION OF WELL (FOOTAGES) AT SURFACE:  AT TOP PRODUCING INTERVAL REPORTED BELOW:  AT TOTAL DEPTH:		10 FIELD AND POOL, OR WILDCAT
		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
		12. COUNTY _____ 13. STATE <b>UTAH</b>

14. DATE SPUDDED:	15. DATE T.D. REACHED:	16. DATE COMPLETED: ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL):
18. TOTAL DEPTH: MD _____ TVD _____	19. PLUG BACK T.D.: MD _____ TVD _____	20. IF MULTIPLE COMPLETIONS, HOW MANY? *	21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)		23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

**25. TUBING RECORD**

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

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

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

WAS WELL HYDRAULICALLY FRACTURED? YES  NO  IF YES -- DATE FRACTURED: \_\_\_\_\_

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:	30. WELL STATUS:
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> DST REPORT <input type="checkbox"/> DIRECTIONAL SURVEY <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> OTHER: _____	

**31. INITIAL PRODUCTION**

**INTERVAL A (As shown in item #26)**

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

**INTERVAL B (As shown in item #26)**

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

**INTERVAL C (As shown in item #26)**

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

**INTERVAL D (As shown in item #26)**

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

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

**33. SUMMARY OF POROUS ZONES (Include Aquifers):**

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

**34. FORMATION (Log) MARKERS:**

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

**35. ADDITIONAL REMARKS (Include plugging procedure)**

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

NAME (PLEASE PRINT) \_\_\_\_\_ TITLE \_\_\_\_\_  
 SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

This report must be submitted within 30 days of

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

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

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

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

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

As of 3/25/2015

LEASE: UTU 37246 WELL #: FED 333-30-9-19  
 FIELD: Riverbend  
 LOCATION: SL: 1990' FSL & 659' FEL NESE BHL: 1833' FSL & 2004' FEL NWSE  
 COUNTY: Uintah ST: Utah API: 43-047-52872

**CONDUCTOR**

SIZE: 13 3/8"  
 WT/GRD: H-40  
 WT/GRD: 48#  
 CSA: 60'  
 SX: 55 sx Class G  
 CIRC: Y  
 TOC: Surf  
 HOLE SIZE: 17 1/2"

**SURFACE CASING**

SIZE: 8 5/8"  
 WT/GRD: 1-55  
 WT/GRD: 32#  
 CSA: 3,508  
 SX: 570 sx 11.5#-15.7#  
 CIRC: Y  
 TOC: Surf  
 HOLE SIZE: 11"

**PRODUCTION CASING**

SIZE: 4 1/2"  
 WT/GRD: P110  
 WT/GRD: 13.5#  
 CSA: 12,799  
 SX: 724 sx Premium Lift  
 1543 sx 50/50 Poz G  
 CIRC: Yes  
 TOC: Surface  
 HOLE SIZE: 7 7/8"

**Stimulation**

**Stage 13:** 12/19/2014 Fraced w/ 132,100# 20-40 premium white sd using 5069 bbls of produced FR slick water

**Stage 12:** 12/19/2014 Fraced w/ 120,000# 20-40 premium white sd using 5003 bbls of produced FR slick water

**Stage 11:** 12/19/2014 Fraced w/ 120,000# 20-40 premium white sd using 4774 bbls of produced FR slick water

**Stage 10:** 12/19/2014 Fraced w/ 112,000# 20-40 premium white sd using 4877 bbls of produced FR slick water

**Stage 9:** 12/18/2014 Fraced w/ 108,000# 20-40 premium white sd using 4515 bbls of produced FR slick water

**Stage 8:** 12/17/2014 Fraced w/ 132,300# 20-40 premium white sd using 5170 bbls of produced FR slick water

**Stage 7:** 12/17/2014 Fraced w/ 108,000# 20-40 premium white sd using 4157 bbls of produced FR slick water

**Stage 6:** 12/17/2014 Fraced w/ 132,100# 20-40 premium white sd using 5562 bbls of produced FR slick water

**Stage 5:** 12/16/2014 Fraced w/ 84,800# 20-40 premium white sd using 4286 bbls of produced FR slick water

**Stage 4:** 12/16/2014 Fraced w/ 156,000# 20-40 premium white sd using 6205 bbls of produced FR slick water

**Stage 3:** 12/16/2014 Fraced w/ 136,200# 20-40 premium white sd using 5656 bbls of produced FR slick water

**Stage 2:** 12/15/2014 Fraced w/ 134,200# 20-40 premium white sd using 6025 bbls of produced FR slick water

**Stage 1:** 12/15/2014 Fraced w/ 96,000# 20-40 premium white sd using 4998 bbls of produced FR slick water

GL: 4810'  
 SPUD DATE:  
 COMP DATE:  
 FIRST GAS

DATE FIRST PRODUCED 12/29/14  
 PRODUCTION METHOD Flowing  
 CHOKE SIZE 18  
 Csg PRESSURE 2160 psi  
 OIL (BBL)  
 GAS (MCF)  
 WATER (BBL)

Tbg Record: Land tbg on hanger @ 11,757.76' (KB 24'), w/361 jnts 2 3/8" EUE 8rnd 4.7# P-110 tbg.

**Stage 13** 6750-7297 } 36 total shots Wasatch

**Stage 12** 7967-8704 } 33 total shots Wasatch

**Stage 11** 8829-9076 } 30 total shots Wasatch

**Stage 10** 9251-9559 } 27 total shots Dark Canyon

**Stage 9** 9672-9871 } 24 total shots Upper Mesaverde

**Stage 8** 9926-10251 } 36 total shots Upper Mesaverde

**Stage 7** 10316-10587 } 18 total shots Upper Mesaverde

**Stage 6** 10718-10986 } 33 total shots Lower Mesaverde/UMV

**Stage 5** 11018-11273 } 30 total shots Lower Mesaverde

**Stage 4** 11355-11693 } 36 total shots Lower Mesaverde

**Stage 3** 11958-12119 } 27 total shots Desert /Grassy

**Stage 2** 12402-12544 } 27 total shots Kenilworth/Aberdeen

**Stage 1** 12446-12670 } 36 total shots Spring Canyon

TMD 12,810  
 TVD 12,597

	Stage 7	Top	Bottom	ft	holes	Stage 13	Top	Bottom	ft	holes	
UMV		10316	10317	1	3		6750	6751	1	3	Wasatch
		10366	10367	1	3		6762	6763	1	3	
		10382	10383	1	3		6824	6825	1	3	
		10426	10427	1	3		6862	6863	1	3	
		10564	10565	1	3		6868	6869	1	3	
		10586	10587	1	3		6956	6958	2	6	
				6	18		7110	7111	1	3	
							7118	7119	1	3	
LMV/UMV	Stage 6	10718	10719	1	3		7196	7197	1	3	
		10767	10768	1	3		7258	7259	1	3	
		10794	10795	1	3		7296	7297	1	3	
		10815	10816	1	3				12	36	
		10870	10871	1	3	Stage 12	7967	7968	1	3	Wasatch
		10880	10881	1	3		8214	8215	1	3	
		10893	10894	1	3		8332	8333	1	3	
		10914	10915	1	3		8342	8343	1	3	
		10926	10927	1	3		8364	8365	1	3	
		10974	10975	1	3		8375	8376	1	3	
		10985	10986	1	3		8559	8560	1	3	
				11	33		8564	8565	1	3	
LMV	Stage 5	11018	11019	1	3		8666	8667	1	3	
		11054	11055	1	3		8679	8680	1	3	
		11066	11067	1	3		8703	8704	1	3	
		11084	11085	1	3	Stage 11			11	33	Wasatch
		11172	11173	1	3		8829	8830	1	3	
		11196	11197	1	3		8840	8841	1	3	
		11232	11233	1	3		8904	8905	1	3	
		11254	11256	2	6		8917	8918	1	3	
		11272	11273	1	3		8937	8938	1	3	
				10	30		8977	8978	1	3	
LMV	Stage 4	11355	11356	1	3		9002	9003	1	3	
		11414	11415	1	3		9056	9057	1	3	
		11450	11451	1	3		9074	9076	2	6	
		11476	11477	1	3	Stage 10			10	30	DC
		11499	11500	1	3		9251	9252	1	3	
		11544	11545	1	3		9262	9263	1	3	
		11566	11567	1	3		9274	9275	1	3	
		11606	11607	1	3		9312	9313	1	3	
		11614	11615	1	3		9402	9403	1	3	
		11634	11635	1	3		9460	9461	1	3	
		11652	11653	1	3		9472	9473	1	3	
		11692	11693	1	3		9483	9484	1	3	
				12	36		9558	9559	1	3	
Dsrt/Gssy	Stage 3	11958	11959	1	3				9	27	
		11969	11970	1	3	Stage 9	9672	9673	1	3	UMV
		11992	11993	1	3		9683	9684	1	3	
		12018	12019	1	3		9760	9761	1	3	
		12042	12043	1	3		9782	9783	1	3	
		12082	12083	1	3		9820	9821	1	3	
		12094	12095	1	3		9836	9837	1	3	
		12106	12107	1	3		9861	9862	1	3	
		12118	12119	1	3		9870	9871	1	3	
				9	27				8	24	
Knlrwrth/Abdrn	Stage 2	12402	12403	1	3	Stage 8	9926	9927	1	3	UMV
		12412	12414	2	6		9947	9948	1	3	
		12420	12421	1	3		9961	9962	1	3	
		12427	12428	1	3		9975	9976	1	3	
		12534	12536	2	6		10004	10005	1	3	
		12542	12544	2	6		10036	10037	1	3	
				9	27		10112	10113	1	3	
Spring Canyon	Stage 1	12646	12650	4	12		10142	10143	1	3	
		12654	12660	6	18		10170	10171	1	3	
		12668	12670	2	6		10189	10190	1	3	
				12	36		10249	10251	2	6	
									12	36	

Stage 1 (SC) shot from wrong correlation log and shot 14' high.  
Only 6 holes in meat of SC.



## Survey Report - Geographic



<b>Company:</b>	Gasco Energy	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19 - Slot C
<b>Project:</b>	Uintah County, UT NAD27	<b>TVD Reference:</b>	GL 4810' & RKB 4' @ 4814.00ft (ProPetro 12)
<b>Site:</b>	Federal 30-9S-19E	<b>MD Reference:</b>	GL 4810' & RKB 4' @ 4814.00ft (ProPetro 12)
<b>Well:</b>	Federal #333-30-9-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Grand Junction District

<b>Project</b>	Uintah County, UT NAD27		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

<b>Site</b>	Federal 30-9S-19E				
<b>Site Position:</b>		<b>Northing:</b>	611,489.37 usft	<b>Latitude:</b>	40° 0' 0.000 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,471,903.54 usft	<b>Longitude:</b>	109° 48' 55.411 W
<b>Position Uncertainty:</b>	0.00 ft	<b>Slot Radius:</b>	13.200 in	<b>Grid Convergence:</b>	1.08 °

<b>Well</b>	Federal #333-30-9-19 - Slot C					
<b>Well Position</b>	<b>+N/-S</b>	0.00 ft	<b>Northing:</b>	611,539.98 usft	<b>Latitude:</b>	40° 0' 0.500 N
	<b>+E/-W</b>	0.00 ft	<b>Easting:</b>	2,471,902.59 usft	<b>Longitude:</b>	109° 48' 55.411 W
<b>Position Uncertainty</b>		0.00 ft	<b>Wellhead Elevation:</b>	0.00 ft	<b>Ground Level:</b>	4,810.00 ft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	BGGM2014	8/28/2014	10.92	65.72	51,857

<b>Design</b>	OH				
<b>Audit Notes:</b>					
<b>Version:</b>	1.0	<b>Phase:</b>	ACTUAL	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Direction (°)</b>	
	0.00	0.00	0.00	263.76	

<b>Survey Program</b>	<b>Date</b>	9/29/2014			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
189.00	3,475.00	Survey #1 - Surface MWD Survey (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	
3,500.00	12,810.00	Survey #2 - Production MWD (OH)	SDI MWD	SDI MWD - Standard ver 1.0.1	

<b>Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Map Northing (usft)</b>	<b>Map Easting (usft)</b>	<b>Latitude</b>	<b>Longitude</b>	
0.00	0.00	0.00	0.00	0.00	0.00	611,539.98	2,471,902.59	40° 0' 0.500 N	109° 48' 55.411 W	
189.00	0.70	131.24	189.00	-0.76	0.87	611,539.24	2,471,903.47	40° 0' 0.493 N	109° 48' 55.400 W	
<b>First SDI Surface MWD Survey</b>										
268.00	0.88	248.67	267.99	-1.30	0.67	611,538.70	2,471,903.28	40° 0' 0.487 N	109° 48' 55.403 W	
355.00	1.85	273.71	354.97	-1.45	-1.36	611,538.51	2,471,901.26	40° 0' 0.486 N	109° 48' 55.429 W	
445.00	3.43	274.68	444.87	-1.14	-5.49	611,538.74	2,471,897.12	40° 0' 0.489 N	109° 48' 55.482 W	
535.00	5.36	263.52	534.60	-1.39	-12.35	611,538.36	2,471,890.26	40° 0' 0.486 N	109° 48' 55.570 W	
625.00	7.28	266.06	624.05	-2.26	-22.22	611,537.31	2,471,880.41	40° 0' 0.478 N	109° 48' 55.697 W	
715.00	9.22	268.49	713.11	-2.84	-35.12	611,536.48	2,471,867.53	40° 0' 0.472 N	109° 48' 55.863 W	
805.00	10.46	267.56	801.79	-3.38	-50.49	611,535.65	2,471,852.17	40° 0' 0.467 N	109° 48' 56.060 W	
895.00	12.05	270.38	890.06	-3.66	-68.04	611,535.04	2,471,834.62	40° 0' 0.464 N	109° 48' 56.286 W	

## Survey Report - Geographic



<b>Company:</b>	Gasco Energy	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19 - Slot C
<b>Project:</b>	Uintah County, UT NAD27	<b>TVD Reference:</b>	GL 4810' & RKB 4' @ 4814.00ft (ProPetro 12)
<b>Site:</b>	Federal 30-9S-19E	<b>MD Reference:</b>	GL 4810' & RKB 4' @ 4814.00ft (ProPetro 12)
<b>Well:</b>	Federal #333-30-9-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Grand Junction District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
985.00	13.72	271.43	977.79	-3.34	-88.11	611,534.99	2,471,814.55	40° 0' 0.467 N	109° 48' 56.544 W	
1,075.00	15.39	266.60	1,064.90	-3.78	-110.70	611,534.12	2,471,791.97	40° 0' 0.463 N	109° 48' 56.834 W	
1,165.00	16.71	260.00	1,151.40	-6.73	-135.37	611,530.70	2,471,767.37	40° 0' 0.434 N	109° 48' 57.151 W	
1,255.00	17.94	260.00	1,237.31	-11.39	-161.76	611,525.55	2,471,741.06	40° 0' 0.388 N	109° 48' 57.490 W	
1,345.00	18.82	262.55	1,322.72	-15.68	-189.81	611,520.74	2,471,713.11	40° 0' 0.345 N	109° 48' 57.850 W	
1,435.00	19.70	263.96	1,407.68	-19.16	-219.29	611,516.70	2,471,683.70	40° 0' 0.311 N	109° 48' 58.229 W	
1,525.00	20.11	264.27	1,492.31	-22.30	-249.77	611,512.99	2,471,653.28	40° 0' 0.280 N	109° 48' 58.621 W	
1,615.00	20.31	263.78	1,576.76	-25.53	-280.69	611,509.17	2,471,622.42	40° 0' 0.248 N	109° 48' 59.018 W	
1,705.00	20.58	261.06	1,661.10	-29.68	-311.85	611,504.43	2,471,591.35	40° 0' 0.207 N	109° 48' 59.419 W	
1,795.00	21.14	261.96	1,745.20	-34.41	-343.54	611,499.11	2,471,559.75	40° 0' 0.160 N	109° 48' 59.826 W	
1,885.00	20.36	262.79	1,829.36	-38.65	-375.14	611,494.28	2,471,528.24	40° 0' 0.118 N	109° 49' 0.232 W	
1,975.00	20.84	262.64	1,913.60	-42.66	-406.55	611,489.67	2,471,496.91	40° 0' 0.079 N	109° 49' 0.636 W	
2,065.00	19.83	262.59	1,997.99	-46.68	-437.57	611,485.07	2,471,465.97	40° 0' 0.039 N	109° 49' 1.034 W	
2,155.00	19.61	262.11	2,082.72	-50.72	-467.67	611,480.46	2,471,435.96	39° 59' 59.999 N	109° 49' 1.421 W	
2,245.00	18.73	259.56	2,167.73	-55.42	-496.84	611,475.22	2,471,406.88	39° 59' 59.953 N	109° 49' 1.796 W	
2,335.00	18.38	258.95	2,253.05	-60.75	-524.98	611,469.35	2,471,378.85	39° 59' 59.900 N	109° 49' 2.157 W	
2,425.00	19.15	263.13	2,338.27	-65.24	-553.56	611,464.33	2,471,350.35	39° 59' 59.855 N	109° 49' 2.525 W	
2,515.00	19.26	263.08	2,423.26	-68.79	-582.95	611,460.22	2,471,321.03	39° 59' 59.820 N	109° 49' 2.903 W	
2,605.00	20.49	265.01	2,507.90	-71.95	-613.38	611,456.49	2,471,290.67	39° 59' 59.789 N	109° 49' 3.294 W	
2,695.00	20.84	265.54	2,592.11	-74.57	-645.03	611,453.28	2,471,259.07	39° 59' 59.763 N	109° 49' 3.700 W	
2,785.00	20.22	266.24	2,676.39	-76.83	-676.52	611,450.42	2,471,227.64	39° 59' 59.741 N	109° 49' 4.105 W	
2,875.00	19.26	265.72	2,761.10	-78.96	-706.84	611,447.73	2,471,197.36	39° 59' 59.720 N	109° 49' 4.495 W	
2,965.00	20.22	266.42	2,845.81	-81.04	-737.16	611,445.08	2,471,167.08	39° 59' 59.699 N	109° 49' 4.884 W	
3,055.00	19.79	263.87	2,930.38	-83.64	-767.84	611,441.90	2,471,136.46	39° 59' 59.674 N	109° 49' 5.278 W	
3,145.00	19.61	263.70	3,015.11	-86.92	-798.00	611,438.05	2,471,106.37	39° 59' 59.641 N	109° 49' 5.666 W	
3,235.00	19.43	263.08	3,099.94	-90.38	-827.87	611,434.03	2,471,076.57	39° 59' 59.607 N	109° 49' 6.050 W	
3,325.00	19.87	262.90	3,184.70	-94.08	-857.91	611,429.77	2,471,046.60	39° 59' 59.570 N	109° 49' 6.436 W	
3,415.00	20.22	265.10	3,269.25	-97.30	-888.58	611,425.97	2,471,016.00	39° 59' 59.538 N	109° 49' 6.830 W	
3,475.00	20.05	262.82	3,325.58	-99.47	-909.12	611,423.41	2,470,995.51	39° 59' 59.517 N	109° 49' 7.094 W	
<b>Last SDI Surface MWD Survey</b>										
3,564.00	20.31	264.57	3,409.12	-102.84	-939.63	611,419.47	2,470,965.06	39° 59' 59.484 N	109° 49' 7.486 W	
<b>First SDI Production MWD Survey</b>										
3,627.00	20.75	264.31	3,468.12	-104.98	-961.62	611,416.92	2,470,943.11	39° 59' 59.463 N	109° 49' 7.769 W	
3,722.00	20.16	262.25	3,557.13	-108.85	-994.59	611,412.42	2,470,910.23	39° 59' 59.424 N	109° 49' 8.192 W	
3,817.00	18.20	262.29	3,646.85	-113.05	-1,025.51	611,407.64	2,470,879.38	39° 59' 59.383 N	109° 49' 8.590 W	
3,912.00	18.99	261.58	3,736.89	-117.30	-1,055.51	611,402.82	2,470,849.48	39° 59' 59.341 N	109° 49' 8.975 W	
4,007.00	18.91	261.41	3,826.74	-121.87	-1,086.02	611,397.69	2,470,819.06	39° 59' 59.296 N	109° 49' 9.367 W	
4,102.00	19.62	263.42	3,916.42	-125.99	-1,117.08	611,392.97	2,470,788.08	39° 59' 59.255 N	109° 49' 9.766 W	
4,197.00	17.62	262.27	4,006.45	-129.76	-1,147.18	611,388.65	2,470,758.06	39° 59' 59.218 N	109° 49' 10.153 W	
4,292.00	17.35	258.82	4,097.06	-134.44	-1,175.32	611,383.44	2,470,730.00	39° 59' 59.171 N	109° 49' 10.515 W	
4,387.00	15.56	253.59	4,188.17	-140.78	-1,201.45	611,376.60	2,470,704.01	39° 59' 59.109 N	109° 49' 10.850 W	
4,482.00	13.81	257.01	4,280.07	-146.93	-1,224.72	611,370.01	2,470,680.85	39° 59' 59.048 N	109° 49' 11.150 W	
4,576.00	11.71	264.12	4,371.74	-150.43	-1,245.14	611,366.13	2,470,660.50	39° 59' 59.013 N	109° 49' 11.412 W	
4,669.00	11.52	264.48	4,462.84	-152.29	-1,263.77	611,363.92	2,470,641.91	39° 59' 58.995 N	109° 49' 11.651 W	
4,764.00	10.02	268.18	4,556.17	-153.47	-1,281.48	611,362.41	2,470,624.23	39° 59' 58.983 N	109° 49' 11.879 W	
4,862.00	9.76	263.96	4,652.71	-154.61	-1,298.26	611,360.95	2,470,607.47	39° 59' 58.972 N	109° 49' 12.095 W	
4,953.00	9.30	270.75	4,742.46	-155.33	-1,313.28	611,359.95	2,470,592.46	39° 59' 58.965 N	109° 49' 12.288 W	
5,048.00	7.12	279.51	4,836.48	-154.25	-1,326.77	611,360.77	2,470,578.96	39° 59' 58.975 N	109° 49' 12.461 W	
5,144.00	5.54	286.37	4,931.89	-151.97	-1,337.08	611,362.86	2,470,568.60	39° 59' 58.998 N	109° 49' 12.593 W	
5,242.00	3.08	297.09	5,029.61	-149.43	-1,343.97	611,365.27	2,470,561.67	39° 59' 59.023 N	109° 49' 12.682 W	
5,338.00	2.11	311.15	5,125.51	-147.10	-1,347.59	611,367.54	2,470,558.00	39° 59' 59.046 N	109° 49' 12.729 W	
5,431.00	1.67	309.57	5,218.46	-145.11	-1,349.93	611,369.48	2,470,555.63	39° 59' 59.066 N	109° 49' 12.758 W	
5,525.00	1.14	299.29	5,312.43	-143.78	-1,351.80	611,370.78	2,470,553.74	39° 59' 59.079 N	109° 49' 12.783 W	
5,615.00	1.23	290.76	5,402.41	-142.99	-1,353.48	611,371.52	2,470,552.04	39° 59' 59.087 N	109° 49' 12.804 W	
5,715.00	0.74	283.05	5,502.40	-142.47	-1,355.12	611,372.02	2,470,550.40	39° 59' 59.092 N	109° 49' 12.825 W	

## Survey Report - Geographic



<b>Company:</b>	Gasco Energy	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19 - Slot C
<b>Project:</b>	Uintah County, UT NAD27	<b>TVD Reference:</b>	GL 4810' & RKB 4' @ 4814.00ft (ProPetro 12)
<b>Site:</b>	Federal 30-9S-19E	<b>MD Reference:</b>	GL 4810' & RKB 4' @ 4814.00ft (ProPetro 12)
<b>Well:</b>	Federal #333-30-9-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Grand Junction District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
5,810.00	1.04	255.13	5,597.39	-142.55	-1,356.55	611,371.91	2,470,548.97	39° 59' 59.091 N	109° 49' 12.844 W	
5,908.00	0.18	70.25	5,695.38	-142.73	-1,357.26	611,371.72	2,470,548.26	39° 59' 59.089 N	109° 49' 12.853 W	
6,003.00	0.09	225.46	5,790.38	-142.73	-1,357.17	611,371.72	2,470,548.34	39° 59' 59.089 N	109° 49' 12.852 W	
6,099.00	0.26	165.61	5,886.38	-142.99	-1,357.17	611,371.46	2,470,548.35	39° 59' 59.087 N	109° 49' 12.852 W	
6,192.00	0.56	183.79	5,979.38	-143.65	-1,357.15	611,370.80	2,470,548.38	39° 59' 59.080 N	109° 49' 12.851 W	
6,287.00	0.62	54.87	6,074.38	-143.82	-1,356.76	611,370.64	2,470,548.78	39° 59' 59.078 N	109° 49' 12.846 W	
6,382.00	0.44	62.07	6,169.37	-143.35	-1,356.02	611,371.12	2,470,549.51	39° 59' 59.083 N	109° 49' 12.837 W	
6,478.00	0.54	116.70	6,265.37	-143.38	-1,355.29	611,371.10	2,470,550.24	39° 59' 59.083 N	109° 49' 12.827 W	
6,573.00	1.14	36.94	6,360.36	-142.83	-1,354.32	611,371.67	2,470,551.20	39° 59' 59.088 N	109° 49' 12.815 W	
6,668.00	0.79	57.33	6,455.35	-141.72	-1,353.20	611,372.80	2,470,552.30	39° 59' 59.099 N	109° 49' 12.801 W	
6,763.00	0.63	62.20	6,550.34	-141.12	-1,352.19	611,373.42	2,470,553.30	39° 59' 59.105 N	109° 49' 12.788 W	
6,858.00	0.97	51.53	6,645.33	-140.38	-1,351.10	611,374.18	2,470,554.37	39° 59' 59.112 N	109° 49' 12.774 W	
6,953.00	1.06	92.75	6,740.32	-139.92	-1,349.59	611,374.67	2,470,555.87	39° 59' 59.117 N	109° 49' 12.754 W	
7,044.00	0.44	188.99	6,831.31	-140.31	-1,348.80	611,374.30	2,470,556.67	39° 59' 59.113 N	109° 49' 12.744 W	
7,140.00	0.36	357.37	6,927.31	-140.37	-1,348.87	611,374.24	2,470,556.60	39° 59' 59.113 N	109° 49' 12.745 W	
7,235.00	0.09	85.28	7,022.31	-140.06	-1,348.81	611,374.54	2,470,556.65	39° 59' 59.116 N	109° 49' 12.744 W	
7,330.00	0.44	154.18	7,117.31	-140.39	-1,348.58	611,374.22	2,470,556.89	39° 59' 59.112 N	109° 49' 12.741 W	
7,426.00	0.92	299.66	7,213.31	-140.34	-1,349.09	611,374.26	2,470,556.38	39° 59' 59.113 N	109° 49' 12.748 W	
7,520.00	0.62	269.85	7,307.30	-139.97	-1,350.25	611,374.61	2,470,555.21	39° 59' 59.117 N	109° 49' 12.763 W	
7,611.00	0.79	242.69	7,398.29	-140.25	-1,351.30	611,374.31	2,470,554.16	39° 59' 59.114 N	109° 49' 12.776 W	
7,711.00	0.79	204.81	7,498.28	-141.20	-1,352.21	611,373.35	2,470,553.28	39° 59' 59.104 N	109° 49' 12.788 W	
7,806.00	0.35	234.51	7,593.28	-141.96	-1,352.72	611,372.57	2,470,552.78	39° 59' 59.097 N	109° 49' 12.794 W	
7,902.00	0.79	303.07	7,689.27	-141.77	-1,353.51	611,372.75	2,470,551.99	39° 59' 59.099 N	109° 49' 12.805 W	
7,999.00	0.79	291.99	7,786.27	-141.15	-1,354.69	611,373.34	2,470,550.80	39° 59' 59.105 N	109° 49' 12.820 W	
8,095.00	1.41	72.97	7,882.26	-140.56	-1,354.18	611,373.95	2,470,551.30	39° 59' 59.111 N	109° 49' 12.813 W	
8,189.00	1.14	77.10	7,976.23	-140.01	-1,352.16	611,374.53	2,470,553.31	39° 59' 59.116 N	109° 49' 12.787 W	
8,284.00	1.23	106.72	8,071.21	-140.09	-1,350.26	611,374.48	2,470,555.21	39° 59' 59.115 N	109° 49' 12.763 W	
8,378.00	1.39	118.89	8,165.19	-140.94	-1,348.30	611,373.68	2,470,557.19	39° 59' 59.107 N	109° 49' 12.738 W	
8,473.00	0.32	131.52	8,260.18	-141.67	-1,347.09	611,372.97	2,470,558.41	39° 59' 59.100 N	109° 49' 12.722 W	
8,567.00	0.59	140.93	8,354.17	-142.22	-1,346.59	611,372.43	2,470,558.92	39° 59' 59.094 N	109° 49' 12.716 W	
8,661.00	0.75	132.30	8,448.17	-143.01	-1,345.83	611,371.66	2,470,559.69	39° 59' 59.086 N	109° 49' 12.706 W	
8,756.00	0.70	136.69	8,543.16	-143.85	-1,344.97	611,370.83	2,470,560.57	39° 59' 59.078 N	109° 49' 12.695 W	
8,851.00	0.81	289.96	8,638.16	-144.04	-1,345.20	611,370.63	2,470,560.34	39° 59' 59.076 N	109° 49' 12.698 W	
8,946.00	0.88	269.49	8,733.15	-143.82	-1,346.56	611,370.83	2,470,558.97	39° 59' 59.078 N	109° 49' 12.715 W	
9,041.00	0.70	273.01	8,828.14	-143.79	-1,347.87	611,370.83	2,470,557.66	39° 59' 59.079 N	109° 49' 12.732 W	
9,137.00	0.88	237.41	8,924.13	-144.16	-1,349.08	611,370.44	2,470,556.46	39° 59' 59.075 N	109° 49' 12.748 W	
9,231.00	0.79	190.48	9,018.12	-145.19	-1,349.80	611,369.40	2,470,555.76	39° 59' 59.065 N	109° 49' 12.757 W	
9,326.00	0.62	279.87	9,113.12	-145.74	-1,350.43	611,368.83	2,470,555.14	39° 59' 59.059 N	109° 49' 12.765 W	
9,420.00	0.64	231.78	9,207.11	-145.98	-1,351.34	611,368.58	2,470,554.23	39° 59' 59.057 N	109° 49' 12.777 W	
9,515.00	0.00	348.16	9,302.11	-146.31	-1,351.76	611,368.24	2,470,553.82	39° 59' 59.054 N	109° 49' 12.782 W	
9,611.00	0.26	109.62	9,398.11	-146.38	-1,351.55	611,368.17	2,470,554.03	39° 59' 59.053 N	109° 49' 12.779 W	
9,706.00	0.44	352.29	9,493.11	-146.09	-1,351.40	611,368.47	2,470,554.18	39° 59' 59.056 N	109° 49' 12.777 W	
9,801.00	0.62	298.32	9,588.10	-145.49	-1,351.90	611,369.06	2,470,553.67	39° 59' 59.062 N	109° 49' 12.784 W	
9,896.00	1.17	16.96	9,683.09	-144.32	-1,352.07	611,370.23	2,470,553.47	39° 59' 59.074 N	109° 49' 12.786 W	
9,991.00	1.14	23.93	9,778.08	-142.52	-1,351.41	611,372.03	2,470,554.11	39° 59' 59.091 N	109° 49' 12.777 W	
10,086.00	0.70	54.51	9,873.06	-141.32	-1,350.55	611,373.25	2,470,554.94	39° 59' 59.103 N	109° 49' 12.766 W	
10,182.00	0.35	92.83	9,969.06	-141.00	-1,349.78	611,373.59	2,470,555.70	39° 59' 59.106 N	109° 49' 12.757 W	
10,276.00	0.44	352.64	10,063.06	-140.65	-1,349.54	611,373.94	2,470,555.94	39° 59' 59.110 N	109° 49' 12.754 W	
10,370.00	0.18	32.54	10,157.06	-140.17	-1,349.51	611,374.42	2,470,555.96	39° 59' 59.115 N	109° 49' 12.753 W	
10,468.00	0.60	346.95	10,255.05	-139.54	-1,349.54	611,375.05	2,470,555.92	39° 59' 59.121 N	109° 49' 12.754 W	
10,562.00	0.44	343.43	10,349.05	-138.72	-1,349.75	611,375.87	2,470,555.69	39° 59' 59.129 N	109° 49' 12.756 W	
10,657.00	0.44	28.85	10,444.05	-138.05	-1,349.68	611,376.54	2,470,555.75	39° 59' 59.136 N	109° 49' 12.755 W	
10,752.00	0.35	26.39	10,539.05	-137.47	-1,349.38	611,377.13	2,470,556.04	39° 59' 59.141 N	109° 49' 12.751 W	
10,848.00	0.35	86.51	10,635.04	-137.19	-1,348.95	611,377.42	2,470,556.46	39° 59' 59.144 N	109° 49' 12.746 W	
10,949.00	0.17	65.97	10,736.04	-137.11	-1,348.51	611,377.50	2,470,556.90	39° 59' 59.145 N	109° 49' 12.740 W	

Survey Report - Geographic



<b>Company:</b>	Gasco Energy	<b>Local Co-ordinate Reference:</b>	Well Federal #333-30-9-19 - Slot C
<b>Project:</b>	Uintah County, UT NAD27	<b>TVD Reference:</b>	GL 4810' & RKB 4' @ 4814.00ft (ProPetro 12)
<b>Site:</b>	Federal 30-9S-19E	<b>MD Reference:</b>	GL 4810' & RKB 4' @ 4814.00ft (ProPetro 12)
<b>Well:</b>	Federal #333-30-9-19	<b>North Reference:</b>	True
<b>Wellbore:</b>	OH	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	OH	<b>Database:</b>	Grand Junction District

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (usft)	Map Easting (usft)	Latitude	Longitude	
11,045.00	0.22	33.62	10,832.04	-136.90	-1,348.28	611,377.72	2,470,557.13	39° 59' 59.147 N	109° 49' 12.737 W	
11,140.00	0.18	131.51	10,927.04	-136.84	-1,348.06	611,377.78	2,470,557.34	39° 59' 59.147 N	109° 49' 12.735 W	
11,235.00	0.70	125.88	11,022.04	-137.28	-1,347.48	611,377.35	2,470,557.93	39° 59' 59.143 N	109° 49' 12.727 W	
11,330.00	0.53	137.57	11,117.03	-137.95	-1,346.71	611,376.70	2,470,558.71	39° 59' 59.137 N	109° 49' 12.717 W	
11,425.00	0.87	136.12	11,212.03	-138.79	-1,345.92	611,375.87	2,470,559.52	39° 59' 59.128 N	109° 49' 12.707 W	
11,519.00	0.88	141.96	11,306.02	-139.87	-1,344.98	611,374.81	2,470,560.48	39° 59' 59.117 N	109° 49' 12.695 W	
11,615.00	0.53	193.12	11,402.01	-140.89	-1,344.63	611,373.80	2,470,560.85	39° 59' 59.107 N	109° 49' 12.690 W	
11,711.00	0.40	232.15	11,498.01	-141.52	-1,344.99	611,373.15	2,470,560.50	39° 59' 59.101 N	109° 49' 12.695 W	
11,805.00	0.88	226.78	11,592.00	-142.22	-1,345.78	611,372.44	2,470,559.73	39° 59' 59.094 N	109° 49' 12.705 W	
11,900.00	0.91	178.52	11,686.99	-143.47	-1,346.29	611,371.18	2,470,559.24	39° 59' 59.082 N	109° 49' 12.712 W	
11,995.00	0.88	193.91	11,781.98	-144.94	-1,346.44	611,369.72	2,470,559.11	39° 59' 59.067 N	109° 49' 12.714 W	
12,090.00	0.76	162.05	11,876.97	-146.24	-1,346.43	611,368.41	2,470,559.16	39° 59' 59.055 N	109° 49' 12.713 W	
12,185.00	0.70	144.78	11,971.96	-147.32	-1,345.90	611,367.35	2,470,559.70	39° 59' 59.044 N	109° 49' 12.707 W	
12,282.00	0.88	186.35	12,068.95	-148.54	-1,345.64	611,366.13	2,470,559.99	39° 59' 59.032 N	109° 49' 12.703 W	
12,377.00	0.97	161.74	12,163.94	-150.03	-1,345.47	611,364.64	2,470,560.19	39° 59' 59.017 N	109° 49' 12.701 W	
12,472.00	0.70	186.09	12,258.93	-151.37	-1,345.28	611,363.30	2,470,560.40	39° 59' 59.004 N	109° 49' 12.699 W	
12,567.00	1.14	163.59	12,353.92	-152.85	-1,345.07	611,361.82	2,470,560.64	39° 59' 58.989 N	109° 49' 12.696 W	
12,662.00	0.70	173.08	12,448.91	-154.34	-1,344.73	611,360.35	2,470,561.00	39° 59' 58.975 N	109° 49' 12.692 W	
12,755.00	1.24	183.39	12,541.89	-155.91	-1,344.72	611,358.78	2,470,561.04	39° 59' 58.959 N	109° 49' 12.692 W	
<b>Last SDI Production MWD Survey</b>										
12,810.00	1.24	183.39	12,596.88	-157.09	-1,344.79	611,357.59	2,470,560.99	39° 59' 58.947 N	109° 49' 12.693 W	
<b>Projection to Bit</b>										

Design Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
189.00	189.00	-0.76	0.87	First SDI Surface MWD Survey	
3,475.00	3,325.58	-99.47	-909.12	Last SDI Surface MWD Survey	
3,564.00	3,409.12	-102.84	-939.63	First SDI Production MWD Survey	
12,755.00	12,541.89	-155.91	-1,344.72	Last SDI Production MWD Survey	
12,810.00	12,596.88	-157.09	-1,344.79	Projection to Bit	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: utu37246
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: FEDERAL 333-30-9-19
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	9. API NUMBER: 43047528720000
3. ADDRESS OF OPERATOR: 7979 East Tufts Avenue, Suite 1150 , Denver, CO, 80237	PHONE NUMBER: 303 996-1805 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1990 FSL 0659 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 30 Township: 09.0S Range: 19.0E Meridian: S	9. FIELD and POOL or WILDCAT: PARIETTE BENCH  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"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 12/29/2014  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <span style="border: 1px solid black; padding: 2px;">Production Facilities &amp; Meas</span>

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

Gasco intends to use the following production facilities and measurement methods on the Federal 333-30-9-19, Federal 332-30-9-19, Federal 423-30-9-19 and Federal 442-30-9-19, which share a common pad: Each well will be produced through its own three-phase separator. Gas will be metered through an electronic flow meter, a Total Flow XFCG4, then to a common sales meter. Four 400 bbl tanks will be placed on location - 1 condensate tank and 3 water tanks. Condensate will be manually skimmed from the water tanks into a common sales tank. One water tank will be designated as a test tank which a single well at a time will produce into. Allocations will be based on percentages derived from individual well testing.

**REQUEST DENIED**  
**Utah Division of**  
**Oil, Gas and Mining**

Date: June 17, 2015

By: *Derek Quist*

**Please Review Attached Conditions of Approval**

NAME (PLEASE PRINT) Lindsey J. Cooke	PHONE NUMBER 303 996-1834	TITLE Production Tech
SIGNATURE N/A	DATE 1/7/2015	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43047528720000**

**The following requested additional information was not provided, so the sundry is being denied at this time:**

**I would like to see more definition in the test procedure. When? How often? What is the basis for allocation? Gas or water? An example of the allocation formula would help.**

**I would like a statement as to whether it is all the same federal lease or not.**

Effective Date: 4/16/2015

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

**WELL INFORMATION:**

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

**OPERATOR CHANGES DOCUMENTATION:**

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

**REVIEW:**

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

**NEW OPERATOR BOND VERIFICATION:**

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

**DATA ENTRY:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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

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

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

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

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

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

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

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

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

**UTU-76482**

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:

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

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

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

9. API NUMBER:  
**4304737631**

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

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

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

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

COUNTY: **Uintah**

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

STATE: **UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>4/16/2015</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

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

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



Michael Decker, Exec. Vice President & COO

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



Michael Decker, Exec. Vice President & COO

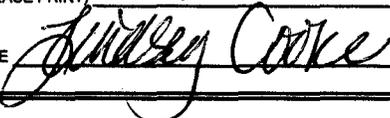
RECEIVED

JUN 02 2015

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) **Lindsey Cooke**

TITLE **Engineering Tech**

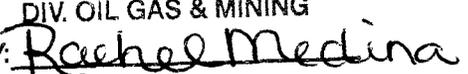
SIGNATURE 

DATE **5/18/2015**

(This space for State use only)

**APPROVED**

**JAN 22 2016**

DIV. OIL GAS & MINING  
BY: 

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

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

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