

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Desert Spring State 142-36-9-18				
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 8 MILE FLAT NORTH				
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				
8. ADDRESS OF OPERATOR 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112						9. OPERATOR E-MAIL				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML45171			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" 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		1433 FSL 879 FWL		NWSW	36	9.0 S	18.0 E	S		
Top of Uppermost Producing Zone		825 FSL 660 FWL		SWSW	36	9.0 S	18.0 E	S		
At Total Depth		825 FSL 660 FWL		SWSW	36	9.0 S	18.0 E	S		
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660			23. NUMBER OF ACRES IN DRILLING UNIT 640				
25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1000			26. PROPOSED DEPTH MD: 12765 TVD: 12700			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 41-3530				
27. ELEVATION - GROUND LEVEL 4993			28. BOND NUMBER K08792707							
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.25	13.375	0 - 60	48.0	H-40 ST&C	8.3	Class G	55	1.18	15.8
SURF	12.25	9.625	0 - 3400	36.0	J-55 LT&C	8.3	Hi Lift "G"	290	3.91	11.0
							Premium Foamed	115	1.63	14.2
PROD	8.75	4.5	0 - 12765	13.5	HCP-110 LT&C	11.6	Premium Lite High Strength	680	2.26	12.0
							50/50 Poz	2090	1.31	14.3
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input 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 11/20/2012			EMAIL rknight@gascoenergy.com				
API NUMBER ASSIGNED 43047533270000			APPROVAL			 Permit Manager				

Gasco Production Company
Desert Springs State 142-36-9-18
SWSW, Section #36, Township 9 South, Range 18 East
Uintah County, Utah
Lease No. ML-45171

Drilling Program

1. Estimated Tops of Important Geological Markers

Formation	Depth	Subsea
Wasatch	5165'	-110
Mesaverde	9055'	-4000'
Castlegate	11455'	-6400'
Blackhawk	11705'	-6650'
Spring Canyon	12365'	-7310'
TD	12765'	

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

Substance	Formation	Depth
Gas	Wasatch	5165' - 9054'
Gas	Mesaverde	9055' - 11454'
Gas	Blackhawk	11705' - 12354'
Gas	Spring Canyon	12365' - 12765'

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 UDOGM Conservation Rules 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.

A rotating head will be utilized to set surface casing as in the casing and string design. This would be used as a diverter.

UDOGM will be notified, with sufficient lead time, in order to have a UDGOM 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>Weight</u>	<u>Type</u>
Conductor	60'	17.25"	13.375"	H-40	48#	-
Surface	3400'	12.25"	9.625"	J-55	36#	LTC
Production	12765'	8.75"	4.5"	HCP-110	13.5#	LTC

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

d. Cement Program

	<u>Top of Cement</u>	<u>Sacks</u>	<u>Cement Type</u>	<u>Yield</u>	<u>Supply Wt.</u>
Conductor	To surface	55	Class G	1.18	15.8
Surface	To Surface	290	Hi-Lift	3.91	11.0
		115	RFC	1.63	14.2
Production	To surface	680	Premium Lite	2.26	12.0
		2090	50/50 poz	1.31	14.3

e. Anticipated cement tops will be reported as to depth; not the expected number of sacks of cement to be used. UDOGM should be notified, with sufficient lead time, in order to have a UDOGM 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 UDOGM within 30 days after the work is completed.

1. Progress reports, per UDOGM Conservation General Rules "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.

c. 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 Type</u>		<u>Wt. (ppg)</u>	<u>Viscosity</u>	<u>pH</u>	<u>Water Loss</u>	<u>Remarks</u>
0-60'	Air Mist	8.3	1	7.0	NA	
60'-3400'	AirMist	8.3	35	7.0	NA	
3400'-TD	Water based mud	8.3- 11.6	35	10-10.5		

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 State lands without prior UDOGM 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 UDOGM jurisdiction will conform to the Conservation General Rules.

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" will be submitted no later than 30 days after the completion of the well or after completion of operations being performed, in accordance with UDOGM Conservation General Rules. 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.

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 UDOGM on a weekly basis.

7. Abnormal Temperatures and Pressures

a. The expected bottom hole pressure is 7655psig

The maximum bottom hole temperature anticipated is 230 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 15 days.

c. UDOGM shall be notified of the anticipated date of location construction and anticipated spud date.

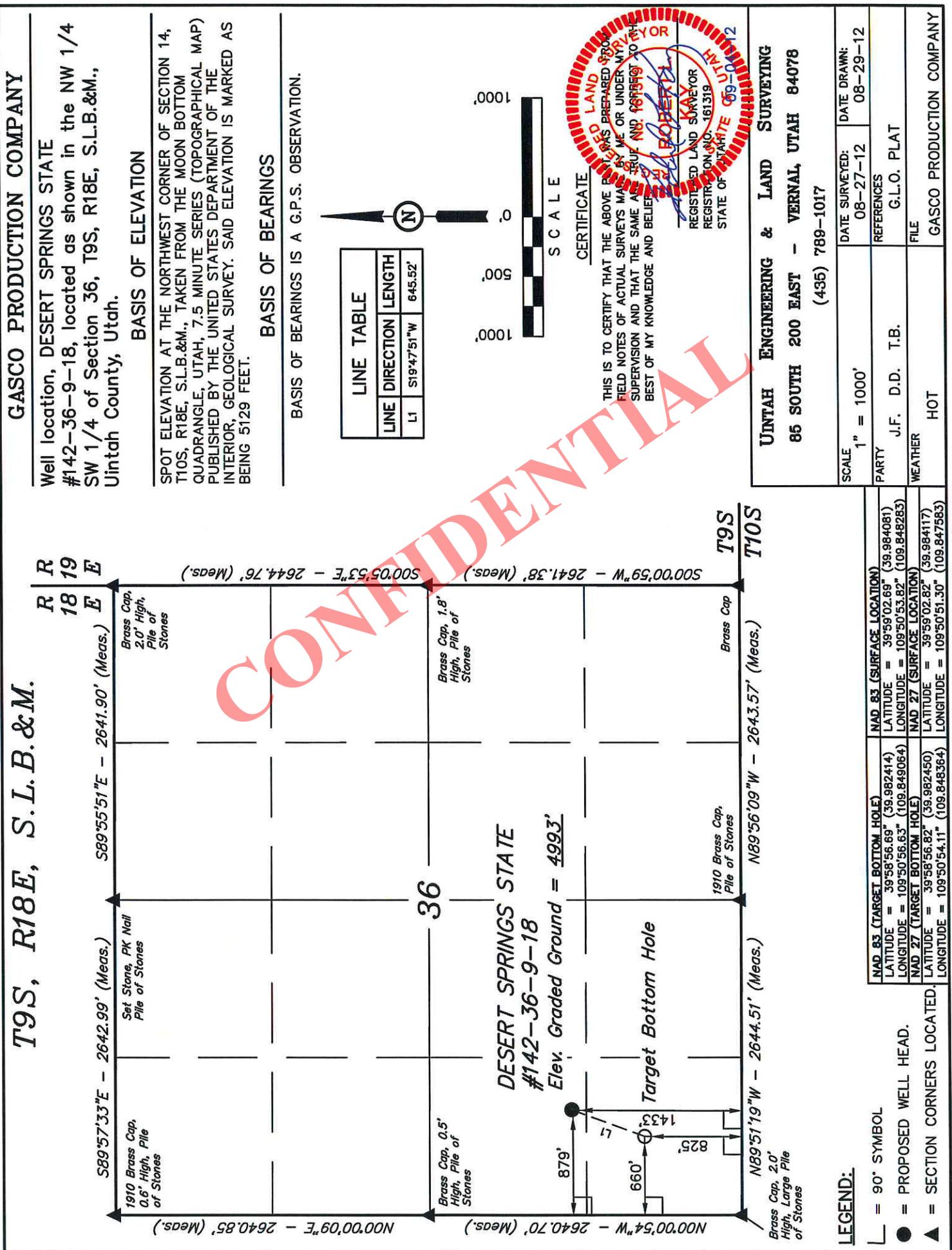
- d. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior to approval from the AO will be obtained and notification 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 UDOGM Conservation General Rules, this well will report "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 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.
- h. If a replacement rig is contemplated for completion operations, a "Sundry Notice" 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. With the approval of the UDOGM 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 UDOGM Engineer.
- k. 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 UDOGM Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day authorized test period.
- l. A schematic facilities diagram shall be submitted to UDOGM within 60 days of installation or first production whichever occurs first. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with UDOGM Conservation General Rules.
- 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" 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. 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 State lands.

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

GASCO PRODUCTION COMPANY

Well location, DESERT SPRINGS STATE #142-36-9-18, located as shown in the NW 1/4 SW 1/4 of Section 36, T9S, R18E, 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.

BASIS OF BEARINGS

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

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S19°47'51\"/>	



CERTIFICATE

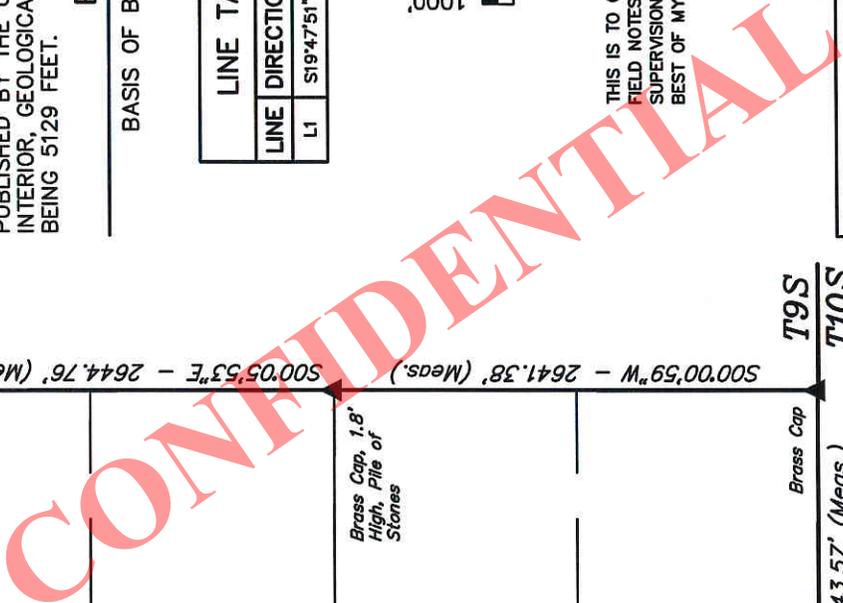
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

UTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

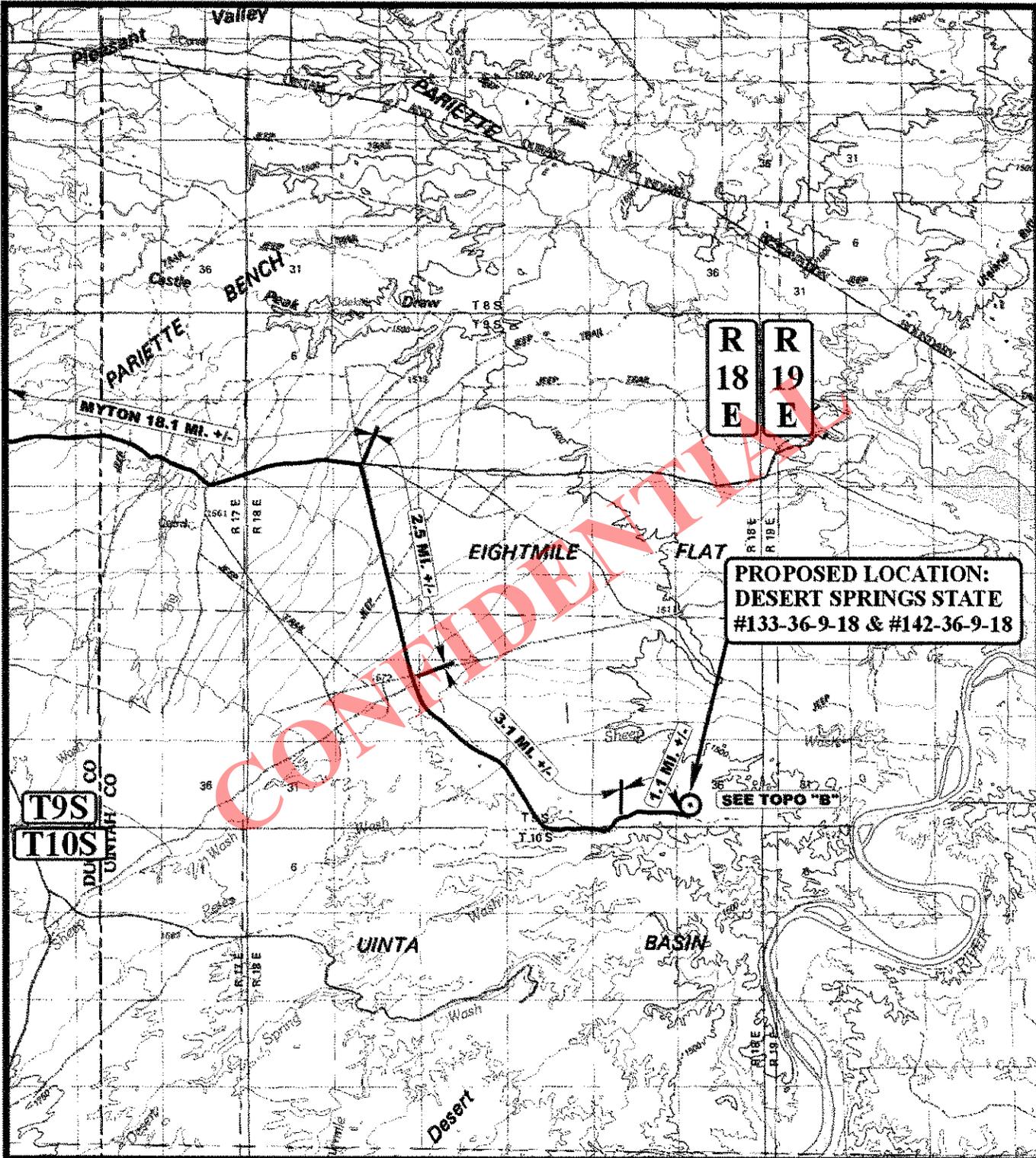
SCALE	1" = 1000'	DATE SURVEYED:	08-27-12	DATE DRAWN:	08-29-12
PARTY	J.F. D.D. T.B.	REFERENCES	G.L.O. PLAT		
WEATHER	HOT	FILE	GASCO PRODUCTION COMPANY		



LEGEND:

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

NAD 83 (TARGET BOTTOM HOLE)		NAD 83 (SURFACE LOCATION)	
LATITUDE = 39°58'56.69"	(39.982414)	LATITUDE = 39°59'02.69"	(39.984081)
LONGITUDE = 109°50'56.63"	(109.849064)	LONGITUDE = 109°50'53.82"	(109.848283)
NAD 27 (TARGET BOTTOM HOLE)		NAD 27 (SURFACE LOCATION)	
LATITUDE = 39°58'56.82"	(39.982450)	LATITUDE = 39°59'02.82"	(39.984117)
LONGITUDE = 109°50'54.11"	(109.848364)	LONGITUDE = 109°50'51.30"	(109.847583)



R
18
E

R
19
E

**PROPOSED LOCATION:
DESERT SPRINGS STATE
#133-36-9-18 & #142-36-9-18**

SEE TOPO "B"

LEGEND:

⊙ PROPOSED LOCATION



GASCO PRODUCTION COMPANY

DESERT SPRINGS STATE #133-36-9-18 & #142-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
NW 1/4 SW 1/4



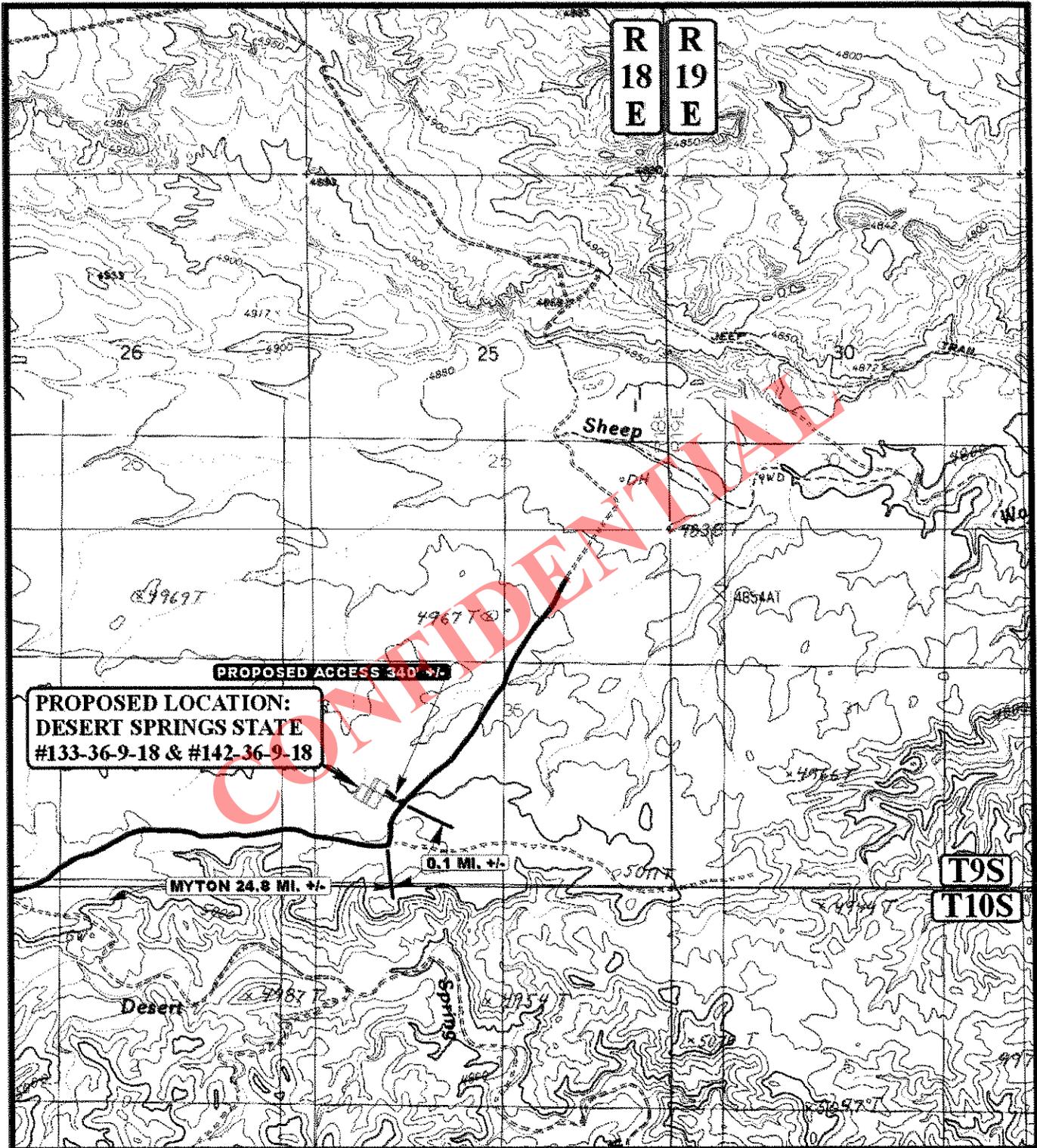
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

ACCESS ROAD
MAP

08	29	12
MONTH	DAY	YEAR

SCALE: 1:100,000 | DRAWN BY: M.M. | REVISED: 00-00-00





**PROPOSED LOCATION:
DESERT SPRINGS STATE
#133-36-9-18 & #142-36-9-18**

PROPOSED ACCESS 340 +/-

MYTON 24.8 MI. +/-

0.1 MI. +/-

LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD

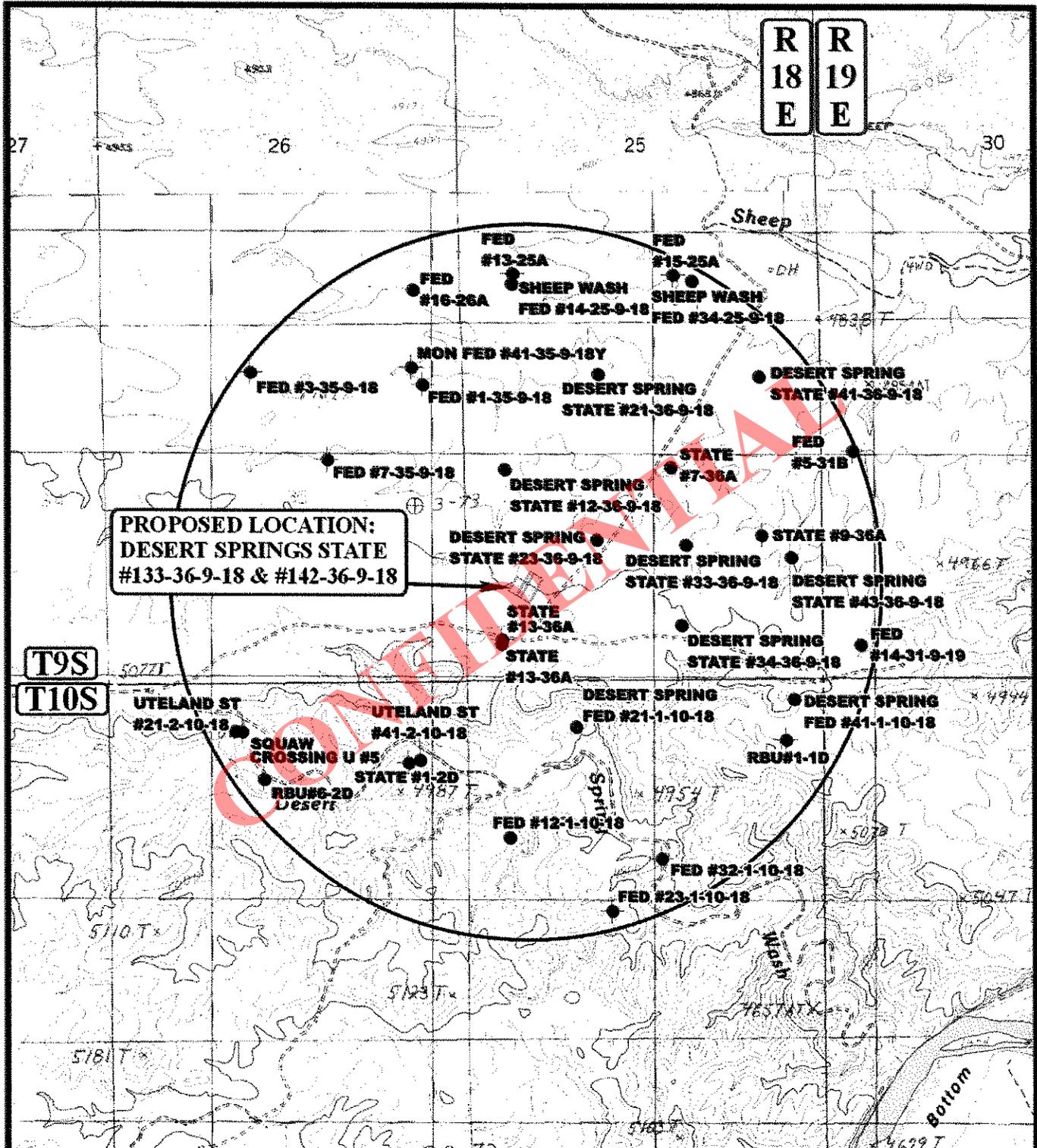
GASCO PRODUCTION COMPANY

**DESERT SPRINGS STATE #133-36-9-18 & #142-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
NW 1/4 SW 1/4**

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

ACCESS ROAD
MAP
08 29 12
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: M.M. REVISED: 00-00-00

B
TOPO



**PROPOSED LOCATION:
DESERT SPRINGS STATE
#133-36-9-18 & #142-36-9-18**

**T9S
T10S**

**R
18
E** **R
19
E**

LEGEND:

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

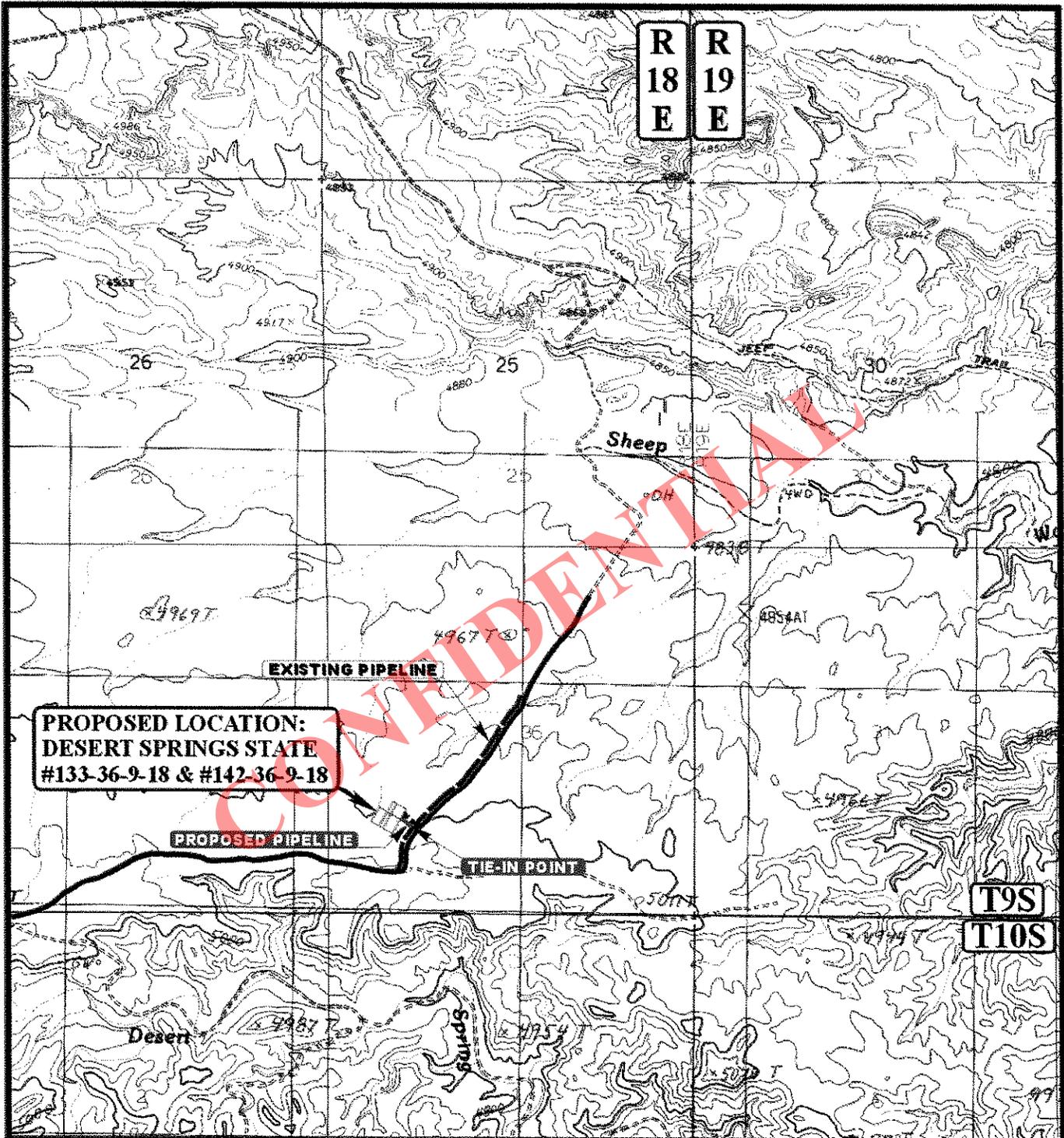
GASCO PRODUCTION COMPANY

**DESERT SPRINGS STATE #133-36-9-18 & #142-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
NW 1/4 SW 1/4**

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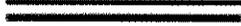
TOPOGRAPHIC MAP 08 29 12
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: M.M. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 302' +/-

LEGEND:

-  EXISTING ROAD
-  PROPOSED ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE

GASCO PRODUCTION COMPANY

DESERT SPRINGS STATE #133-36-9-18 & #142-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
NW 1/4 SW 1/4

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



ACCESS ROAD MAP

08	29	12
MONTH	DAY	YEAR

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

D
TOPO



Gasco Energy

Uintah County, UT

Sec 36, T9S, R18E - Desert Springs

Desert Springs State #142-36-9-18

Original Hole

Plan: Plan #2

Standard Planning Report

08 November, 2012

CONFIDENTIAL

gyro/data

Precision Wellbore Placement



Planning Report



Database:	Gyrodata Single User DB	Local Co-ordinate Reference:	Well Desert Springs State #142-36-9-18
Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 5008.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 5008.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	North Reference:	True
Well:	Desert Springs State #142-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

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

Site	Sec 36, T9S, R18E - Desert Springs				
Site Position:		Northing:	605,545.93 usft	Latitude:	39° 59' 2.910 N
From:	Lat/Long	Easting:	2,462,998.31 usft	Longitude:	109° 50' 51.240 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	1.06 °

Well	Desert Springs State #142-36-9-18					
Well Position	+N/-S	-9.11 usft	Northing:	605,536.73 usft	Latitude:	39° 59' 2.820 N
	+E/-W	-4.67 usft	Easting:	2,462,993.81 usft	Longitude:	109° 50' 51.300 W
Position Uncertainty	0.00 usft		Wellhead Elevation:		Ground Level:	4,993.00 usft

Wellbore	Original Hole				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	11/07/12	11.04	65.75	52,133

Design	Plan #2			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	199.81

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	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	
550.00	5.00	199.81	549.68	-10.26	-3.69	2.00	2.00	0.00	199.81	
3,500.00	5.00	199.81	3,488.46	-252.15	-90.83	0.00	0.00	0.00	0.00	
4,010.51	20.32	199.82	3,985.08	-357.08	-128.64	3.00	3.00	0.00	0.01	
4,433.68	20.32	199.82	4,381.92	-495.30	-178.45	0.00	0.00	0.00	0.00	
5,110.85	0.00	0.00	5,045.00	-607.06	-218.72	3.00	-3.00	0.00	180.00	
12,765.85	0.00	0.00	12,700.00	-607.06	-218.72	0.00	0.00	0.00	0.00	PBHL (DSS #142-36-



Planning Report



Database:	Gyrodatab Single User DB	Local Co-ordinate Reference:	Well Desert Springs State #142-36-9-18
Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 5008.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 5008.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	North Reference:	True
Well:	Desert Springs State #142-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

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)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13 3/8"										
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
Start Build 2.00										
400.00	2.00	199.81	399.98	-1.64	-0.59	1.75	2.00	2.00	0.00	0.00
500.00	4.00	199.81	499.84	-6.57	-2.37	6.98	2.00	2.00	0.00	0.00
550.00	5.00	199.81	549.68	-10.26	-3.69	10.90	2.00	2.00	0.00	0.00
Start 2950.00 hold at 550.00 MD										
600.00	5.00	199.81	599.49	-14.36	-5.17	15.26	0.00	0.00	0.00	0.00
700.00	5.00	199.81	699.11	-22.56	-8.13	23.97	0.00	0.00	0.00	0.00
800.00	5.00	199.81	798.73	-30.76	-11.08	32.69	0.00	0.00	0.00	0.00
900.00	5.00	199.81	898.35	-38.96	-14.03	41.41	0.00	0.00	0.00	0.00
1,000.00	5.00	199.81	997.97	-47.16	-16.99	50.12	0.00	0.00	0.00	0.00
1,100.00	5.00	199.81	1,097.59	-55.36	-19.94	58.84	0.00	0.00	0.00	0.00
1,200.00	5.00	199.81	1,197.21	-63.55	-22.89	67.55	0.00	0.00	0.00	0.00
1,300.00	5.00	199.81	1,296.83	-71.75	-25.85	76.27	0.00	0.00	0.00	0.00
1,400.00	5.00	199.81	1,396.45	-79.95	-28.80	84.98	0.00	0.00	0.00	0.00
1,500.00	5.00	199.81	1,496.07	-88.15	-31.75	93.70	0.00	0.00	0.00	0.00
1,600.00	5.00	199.81	1,595.69	-96.35	-34.71	102.41	0.00	0.00	0.00	0.00
1,700.00	5.00	199.81	1,695.31	-104.55	-37.66	111.13	0.00	0.00	0.00	0.00
1,800.00	5.00	199.81	1,794.93	-112.75	-40.62	119.85	0.00	0.00	0.00	0.00
1,900.00	5.00	199.81	1,894.55	-120.95	-43.57	128.56	0.00	0.00	0.00	0.00
2,000.00	5.00	199.81	1,994.17	-129.15	-46.52	137.28	0.00	0.00	0.00	0.00
2,100.00	5.00	199.81	2,093.78	-137.35	-49.48	145.99	0.00	0.00	0.00	0.00
2,200.00	5.00	199.81	2,193.40	-145.55	-52.43	154.71	0.00	0.00	0.00	0.00
2,300.00	5.00	199.81	2,293.02	-153.75	-55.38	163.42	0.00	0.00	0.00	0.00
2,400.00	5.00	199.81	2,392.64	-161.95	-58.34	172.14	0.00	0.00	0.00	0.00
2,500.00	5.00	199.81	2,492.26	-170.15	-61.29	180.86	0.00	0.00	0.00	0.00
2,600.00	5.00	199.81	2,591.88	-178.35	-64.25	189.57	0.00	0.00	0.00	0.00
2,700.00	5.00	199.81	2,691.50	-186.55	-67.20	198.29	0.00	0.00	0.00	0.00
2,800.00	5.00	199.81	2,791.12	-194.75	-70.15	207.00	0.00	0.00	0.00	0.00
2,900.00	5.00	199.81	2,890.74	-202.95	-73.11	215.72	0.00	0.00	0.00	0.00
3,000.00	5.00	199.81	2,990.36	-211.15	-76.06	224.43	0.00	0.00	0.00	0.00
3,100.00	5.00	199.81	3,089.98	-219.35	-79.01	233.15	0.00	0.00	0.00	0.00
3,200.00	5.00	199.81	3,189.60	-227.55	-81.97	241.86	0.00	0.00	0.00	0.00
3,300.00	5.00	199.81	3,289.22	-235.75	-84.92	250.58	0.00	0.00	0.00	0.00
3,400.00	5.00	199.81	3,388.84	-243.95	-87.88	259.30	0.00	0.00	0.00	0.00
9 5/8"										
3,500.00	5.00	199.81	3,488.46	-252.15	-90.83	268.01	0.00	0.00	0.00	0.00
Start DLS 3.00 TFO 0.01										
3,600.00	8.00	199.81	3,587.80	-262.80	-94.67	279.33	3.00	3.00	0.00	0.00
3,700.00	11.00	199.82	3,686.42	-278.33	-100.26	295.83	3.00	3.00	0.00	0.00
3,800.00	14.00	199.82	3,784.04	-298.69	-107.60	317.47	3.00	3.00	0.00	0.00
3,900.00	17.00	199.82	3,880.39	-323.82	-116.65	344.20	3.00	3.00	0.00	0.00
4,000.00	20.00	199.82	3,975.21	-353.67	-127.41	375.92	3.00	3.00	0.00	0.00
4,010.51	20.32	199.82	3,985.08	-357.08	-128.64	379.54	3.00	3.00	0.00	0.00
Start 423.16 hold at 4010.51 MD										
4,100.00	20.32	199.82	4,069.00	-386.31	-139.17	410.61	0.00	0.00	0.00	0.00



Planning Report



Database:	Gyrodata Single User DB	Local Co-ordinate Reference:	Well Desert Springs State #142-36-9-18
Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 5008.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 5008.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	North Reference:	True
Well:	Desert Springs State #142-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

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)	
4,200.00	20.32	199.82	4,162.78	-418.97	-150.94	445.33	0.00	0.00	0.00	
4,300.00	20.32	199.82	4,256.56	-451.63	-162.71	480.05	0.00	0.00	0.00	
4,400.00	20.32	199.82	4,350.34	-484.30	-174.48	514.77	0.00	0.00	0.00	
4,433.68	20.32	199.82	4,381.92	-495.30	-178.45	526.46	0.00	0.00	0.00	
Start Drop -3.00										
4,500.00	18.33	199.82	4,444.51	-515.94	-185.89	548.40	3.00	-3.00	0.00	
4,600.00	15.33	199.82	4,540.22	-543.17	-195.70	577.35	3.00	-3.00	0.00	
4,700.00	12.33	199.82	4,637.31	-565.65	-203.80	601.24	3.00	-3.00	0.00	
4,800.00	9.33	199.82	4,735.52	-583.31	-210.17	620.02	3.00	-3.00	0.00	
4,900.00	6.33	199.82	4,834.57	-596.12	-214.78	633.63	3.00	-3.00	0.00	
5,000.00	3.33	199.82	4,934.21	-604.04	-217.63	642.05	3.00	-3.00	0.00	
5,100.00	0.33	199.82	5,034.15	-607.03	-218.71	645.23	3.00	-3.00	0.00	
5,110.85	0.00	0.00	5,045.00	-607.06	-218.72	645.26	3.00	-3.00	0.00	
Start 7655.00 hold at 5110.85 MD										
5,200.00	0.00	0.00	5,134.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
5,210.85	0.00	0.00	5,145.00	-607.06	-218.72	645.26	0.00	0.00	0.00	
Wasatch										
5,300.00	0.00	0.00	5,234.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
5,400.00	0.00	0.00	5,334.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,434.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,534.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,634.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,734.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,834.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
6,000.00	0.00	0.00	5,934.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
6,100.00	0.00	0.00	6,034.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
6,200.00	0.00	0.00	6,134.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
6,300.00	0.00	0.00	6,234.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
6,400.00	0.00	0.00	6,334.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
6,500.00	0.00	0.00	6,434.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
6,600.00	0.00	0.00	6,534.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
6,700.00	0.00	0.00	6,634.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
6,800.00	0.00	0.00	6,734.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
6,900.00	0.00	0.00	6,834.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
7,000.00	0.00	0.00	6,934.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
7,100.00	0.00	0.00	7,034.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
7,200.00	0.00	0.00	7,134.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
7,300.00	0.00	0.00	7,234.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
7,400.00	0.00	0.00	7,334.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
7,500.00	0.00	0.00	7,434.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
7,600.00	0.00	0.00	7,534.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
7,700.00	0.00	0.00	7,634.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
7,800.00	0.00	0.00	7,734.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
7,900.00	0.00	0.00	7,834.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
8,000.00	0.00	0.00	7,934.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
8,100.00	0.00	0.00	8,034.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
8,200.00	0.00	0.00	8,134.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
8,300.00	0.00	0.00	8,234.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
8,400.00	0.00	0.00	8,334.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
8,500.00	0.00	0.00	8,434.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
8,600.00	0.00	0.00	8,534.15	-607.06	-218.72	645.26	0.00	0.00	0.00	
8,700.00	0.00	0.00	8,634.15	-607.06	-218.72	645.26	0.00	0.00	0.00	



Planning Report



Database:	Gyrodata Single User DB	Local Co-ordinate Reference:	Well Desert Springs State #142-36-9-18
Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 5008.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 5008.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	North Reference:	True
Well:	Desert Springs State #142-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

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)
8,800.00	0.00	0.00	8,734.15	-607.06	-218.72	645.26	0.00	0.00	0.00
8,900.00	0.00	0.00	8,834.15	-607.06	-218.72	645.26	0.00	0.00	0.00
9,000.00	0.00	0.00	8,934.15	-607.06	-218.72	645.26	0.00	0.00	0.00
9,100.00	0.00	0.00	9,034.15	-607.06	-218.72	645.26	0.00	0.00	0.00
9,100.85	0.00	0.00	9,035.00	-607.06	-218.72	645.26	0.00	0.00	0.00
Mesaverde									
9,200.00	0.00	0.00	9,134.15	-607.06	-218.72	645.26	0.00	0.00	0.00
9,300.00	0.00	0.00	9,234.15	-607.06	-218.72	645.26	0.00	0.00	0.00
9,400.00	0.00	0.00	9,334.15	-607.06	-218.72	645.26	0.00	0.00	0.00
9,500.00	0.00	0.00	9,434.15	-607.06	-218.72	645.26	0.00	0.00	0.00
9,600.00	0.00	0.00	9,534.15	-607.06	-218.72	645.26	0.00	0.00	0.00
9,700.00	0.00	0.00	9,634.15	-607.06	-218.72	645.26	0.00	0.00	0.00
9,800.00	0.00	0.00	9,734.15	-607.06	-218.72	645.26	0.00	0.00	0.00
9,900.00	0.00	0.00	9,834.15	-607.06	-218.72	645.26	0.00	0.00	0.00
10,000.00	0.00	0.00	9,934.15	-607.06	-218.72	645.26	0.00	0.00	0.00
10,100.00	0.00	0.00	10,034.15	-607.06	-218.72	645.26	0.00	0.00	0.00
10,200.00	0.00	0.00	10,134.15	-607.06	-218.72	645.26	0.00	0.00	0.00
10,300.00	0.00	0.00	10,234.15	-607.06	-218.72	645.26	0.00	0.00	0.00
10,400.00	0.00	0.00	10,334.15	-607.06	-218.72	645.26	0.00	0.00	0.00
10,500.00	0.00	0.00	10,434.15	-607.06	-218.72	645.26	0.00	0.00	0.00
10,600.00	0.00	0.00	10,534.15	-607.06	-218.72	645.26	0.00	0.00	0.00
10,700.00	0.00	0.00	10,634.15	-607.06	-218.72	645.26	0.00	0.00	0.00
10,800.00	0.00	0.00	10,734.15	-607.06	-218.72	645.26	0.00	0.00	0.00
10,900.00	0.00	0.00	10,834.15	-607.06	-218.72	645.26	0.00	0.00	0.00
11,000.00	0.00	0.00	10,934.15	-607.06	-218.72	645.26	0.00	0.00	0.00
11,100.00	0.00	0.00	11,034.15	-607.06	-218.72	645.26	0.00	0.00	0.00
11,200.00	0.00	0.00	11,134.15	-607.06	-218.72	645.26	0.00	0.00	0.00
11,300.00	0.00	0.00	11,234.15	-607.06	-218.72	645.26	0.00	0.00	0.00
11,400.00	0.00	0.00	11,334.15	-607.06	-218.72	645.26	0.00	0.00	0.00
11,500.00	0.00	0.00	11,434.15	-607.06	-218.72	645.26	0.00	0.00	0.00
11,520.85	0.00	0.00	11,455.00	-607.06	-218.72	645.26	0.00	0.00	0.00
Castlegate									
11,600.00	0.00	0.00	11,534.15	-607.06	-218.72	645.26	0.00	0.00	0.00
11,700.00	0.00	0.00	11,634.15	-607.06	-218.72	645.26	0.00	0.00	0.00
11,800.00	0.00	0.00	11,734.15	-607.06	-218.72	645.26	0.00	0.00	0.00
11,800.85	0.00	0.00	11,735.00	-607.06	-218.72	645.26	0.00	0.00	0.00
Blackhawk									
11,900.00	0.00	0.00	11,834.15	-607.06	-218.72	645.26	0.00	0.00	0.00
12,000.00	0.00	0.00	11,934.15	-607.06	-218.72	645.26	0.00	0.00	0.00
12,100.00	0.00	0.00	12,034.15	-607.06	-218.72	645.26	0.00	0.00	0.00
12,200.00	0.00	0.00	12,134.15	-607.06	-218.72	645.26	0.00	0.00	0.00
12,300.00	0.00	0.00	12,234.15	-607.06	-218.72	645.26	0.00	0.00	0.00
12,400.00	0.00	0.00	12,334.15	-607.06	-218.72	645.26	0.00	0.00	0.00
12,430.85	0.00	0.00	12,365.00	-607.06	-218.72	645.26	0.00	0.00	0.00
Spring Canyon									
12,500.00	0.00	0.00	12,434.15	-607.06	-218.72	645.26	0.00	0.00	0.00
12,600.00	0.00	0.00	12,534.15	-607.06	-218.72	645.26	0.00	0.00	0.00
12,700.00	0.00	0.00	12,634.15	-607.06	-218.72	645.26	0.00	0.00	0.00
12,765.85	0.00	0.00	12,700.00	-607.06	-218.72	645.26	0.00	0.00	0.00
TD at 12765.85 - TD - 4 1/2" - PBHL (DSS #142-36-9-18)									



Planning Report



Database:	Gyrodatab Single User DB	Local Co-ordinate Reference:	Well Desert Springs State #142-36-9-18
Company:	Gasco Energy	TVD Reference:	Est RKB=15' @ 5008.00usft (Original Well Elev)
Project:	Uintah County, UT	MD Reference:	Est RKB=15' @ 5008.00usft (Original Well Elev)
Site:	Sec 36, T9S, R18E - Desert Springs	North Reference:	True
Well:	Desert Springs State #142-36-9-18	Survey Calculation Method:	Minimum Curvature
Wellbore:	Original Hole		
Design:	Plan #2		

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 (DSS #142-36-9-1 - plan hits target center - Point	0.00	0.00	12,700.00	-607.06	-218.72	604,925.73	2,462,786.33	39° 58' 56.820 N	109° 50' 54.110 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
60.00	60.00	13 3/8"	13-3/8	17-1/2
3,400.00	3,388.84	9 5/8"	9-5/8	12-1/4
12,765.85	12,700.00	4 1/2"	4-1/2	8-3/4

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,210.85	5,145.00	Wasatch		0.00	
9,100.85	9,035.00	Mesaverde		0.00	
11,520.85	11,455.00	Castlegate		0.00	
11,800.85	11,735.00	Blackhawk		0.00	
12,430.85	12,365.00	Spring Canyon		0.00	
12,765.85	12,700.00	TD		0.00	

Plan Annotations

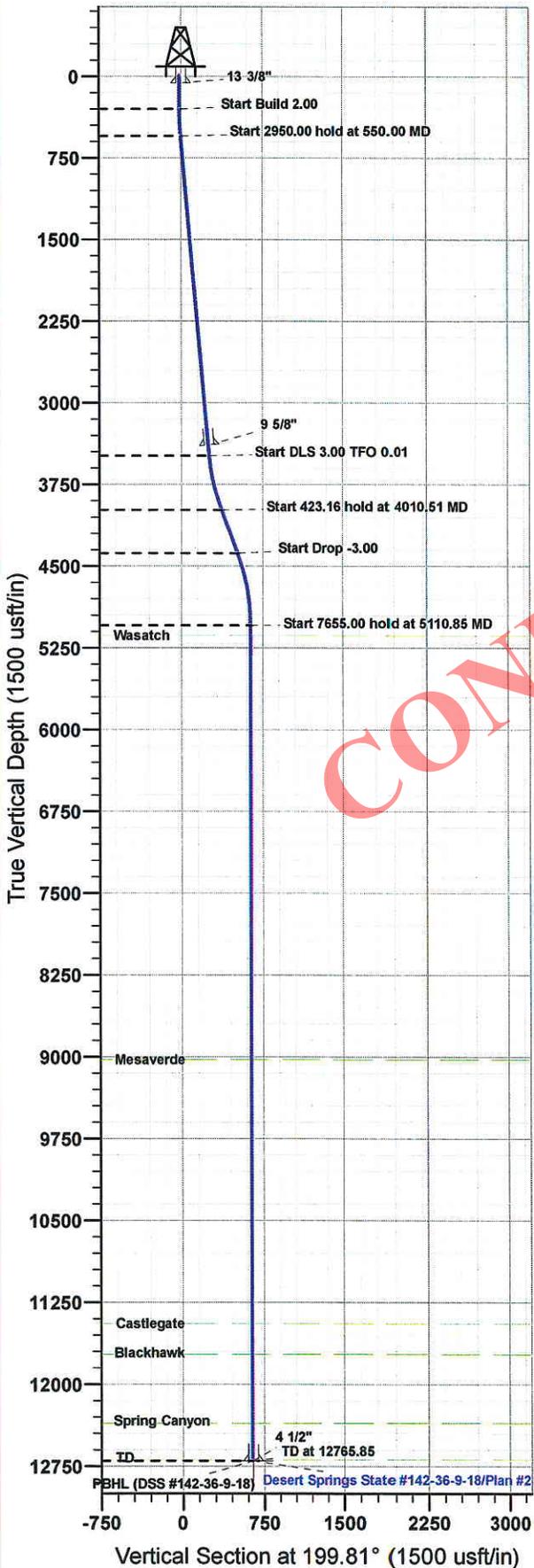
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
300.00	300.00	0.00	0.00	Start Build 2.00
550.00	549.68	-10.26	-3.69	Start 2950.00 hold at 550.00 MD
3,500.00	3,488.46	-252.15	-90.83	Start DLS 3.00 TFO 0.01
4,010.51	3,985.08	-357.08	-128.64	Start 423.16 hold at 4010.51 MD
4,433.68	4,381.92	-495.30	-178.45	Start Drop -3.00
5,110.85	5,045.00	-607.06	-218.72	Start 7655.00 hold at 5110.85 MD
12,765.85	12,700.00	-607.06	-218.72	TD at 12765.85



Company: Gasco Energy
 Field: Uintah County, UT
 Location: Sec 36, T9S, R18E - Desert Springs
 Well: Desert Springs State #142-36-9-18
 Original Hole
 Plan: Plan #2 (Desert Springs State #142-36-9-18/Original Hole)
 Est RKB=15' @ 5008.00usft (Original Well Elev)



Precision Wellbore Placement



SECTION DETAILS										
Sec	MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	
3	550.00	5.00	199.81	549.68	-10.26	-3.69	2.00	199.81	10.90	
4	3500.00	5.00	199.81	3488.46	-252.15	-90.83	0.00	0.00	268.01	
5	4010.51	20.32	199.82	3985.08	-357.08	-128.64	3.00	0.01	379.54	
6	4433.67	20.32	199.82	4381.92	-495.30	-178.45	0.00	0.00	526.46	
7	5110.85	0.00	0.00	5045.00	-607.06	-218.72	3.00	180.00	645.26	
8	12765.85	0.00	0.00	12700.00	-607.06	-218.72	0.00	0.00	645.26	PBHL (DSS #142-36-9-18)

WELLBORE TARGET DETAILS						
Name	TVD	+N-S	+E-W	Northing	Easting	Shape
PBHL (DSS #142-36-9-18)	12700.00	-607.06	-218.72	604925.73	2462786.34	Point

WELL DETAILS: Desert Springs State #142-36-9-18						
Ground Elev: 4993.00						
Est RKB=15' @ 5008.00usft (Original Well Elev)						
+N-S	+E-W	Northing	Easting	Latitude	Longitude	Spot
0.00	0.00	605536.72	2462993.81	39° 59' 2.820 N	109° 50' 51.300 W	

ANNOTATIONS		
TVD	MD	Annotation
300.00	300.00	Start Build 2.00
549.68	550.00	Start 2950.00 hold at 550.00 MD
3488.46	3500.00	Start DLS 3.00 TFO 0.01
3985.08	4010.51	Start 423.16 hold at 4010.51 MD
4381.92	4433.67	Start Drop -3.00
5045.00	5110.85	Start 7655.00 hold at 5110.85 MD
12700.00	12765.85	TD at 12765.85

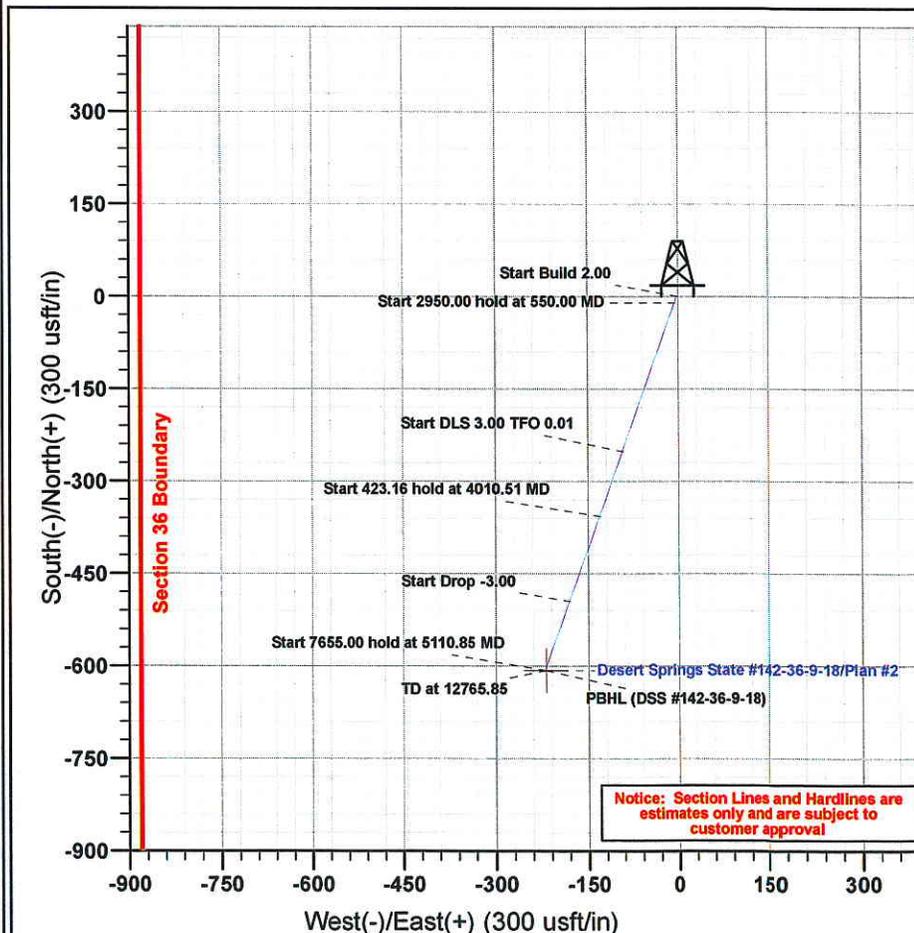
FORMATION TOPS ALONG WELLPATH		
TVDPath	MDPath	Formation
5145.00	5210.85	Wasatch
9035.00	9100.85	Mesaverde
11455.00	11520.85	Castlegate
11735.00	11800.85	Blackhawk
12365.00	12430.85	Spring Canyon
12700.00	12765.85	TD

CASING DETAILS			
TVD	MD	Name	Size
60.00	60.00	13 3/8"	13-3/8
3388.84	3400.00	9 5/8"	9-5/8
12700.00	12765.85	4 1/2"	4-1/2

Plan: Plan #2 (Desert Springs State #142-36-9-18/Original Hole)
 Created By: M. Routh Date: 14.07, November 08 2012

Azimuths to True North
Magnetic North: 11.04°

Magnetic Field
Strength: 52133.2snT
Dip Angle: 65.75°
Date: 11/07/2012
Model: IGRF2010



Notice: Section Lines and Hardlines are estimates only and are subject to customer approval

Gasco Production Company
Desert Springs State 142-36-9-18
SW/SW, Section 36, Township 9 South, Range 18 East
Uintah County, Utah
Lease No. ML-45171

ONSHORE OIL & GAS ORDER NO. 1

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 and Gasco which may include the following individuals:

UDOGM Representative
SITLA Representative
Gasco Production Company
Uintah Engineer and Land Surveying

1. Existing Roads

See Attached Topographic Map "A".

Description of travel from plats.

2. Planned Access Road

See Attached Topographic Map "B" for location of the proposed access road.

3. Location of Existing Wells

See Attached 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. A natural gas pipeline, up to 12" steel, and a water pipeline, up to 12" poly, will follow the proposed access for approximately 302', as detailed in attached Map "D". The pipeline will be laid on the surface except road crossings where they will be buried to a depth of 3'-5'. The method of coupling will be welded. Associated pipeline components, such as risers, pig launchers/catchers, meters, valves, etc. will be contained within the 30' needed for construction of the pipeline. These pipelines will service all the wells located on this pad.

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 liners.
- 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 site 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 attached 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 pile 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 State of Utah.

12. Other Information

a. An archeological and Paleontological survey was conducted. They will be submitted under a separate cover.

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. Water will be disposed of via truck transport to a State of Utah approved disposal site.

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 – office
(720) 810-3850 – cell

Jesse Duncan

PO Box 351
10569 Pariette Road
Myton, Utah 84052
(435)828-1221 - Cell
(435)636-3336 – office

Certification

Please be advised that *Gasco Production Company* is considered to be the operator of the *Well Desert Springs State 142-36-9-18, SW/SW Section 36, T9S, R18E, Lease No. ML-45171, 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 K08792707.

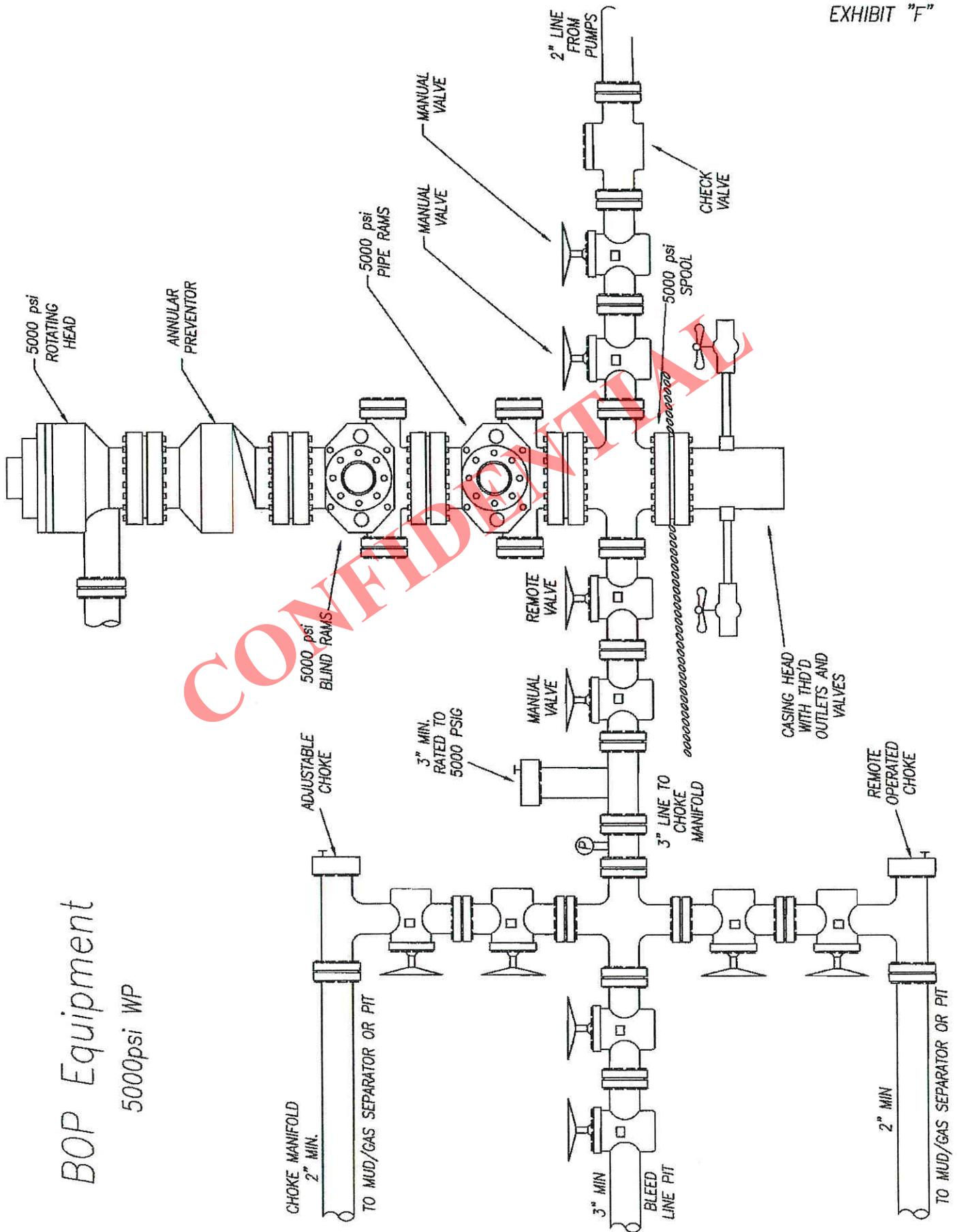
I hereby certify that the proposed drill site and access road have been inspected and I am familiar with the conditions that currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be 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
EHS Supervisor
Gasco Production Company

2-20-13

Date



BOP Equipment
5000psi WP

CONFIDENTIAL

November 19, 2012

Gasco Production Company
Desert Springs State 142-36-9-18
825' FSL & 660' FWL
SWSW of Section 36-T9S-R18E
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. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.



Signature

Senior Operations Manager

Title

7979 East Tufts Avenue, Suite 1150 Denver, CO 80237

Address

303-483-0044

Phone

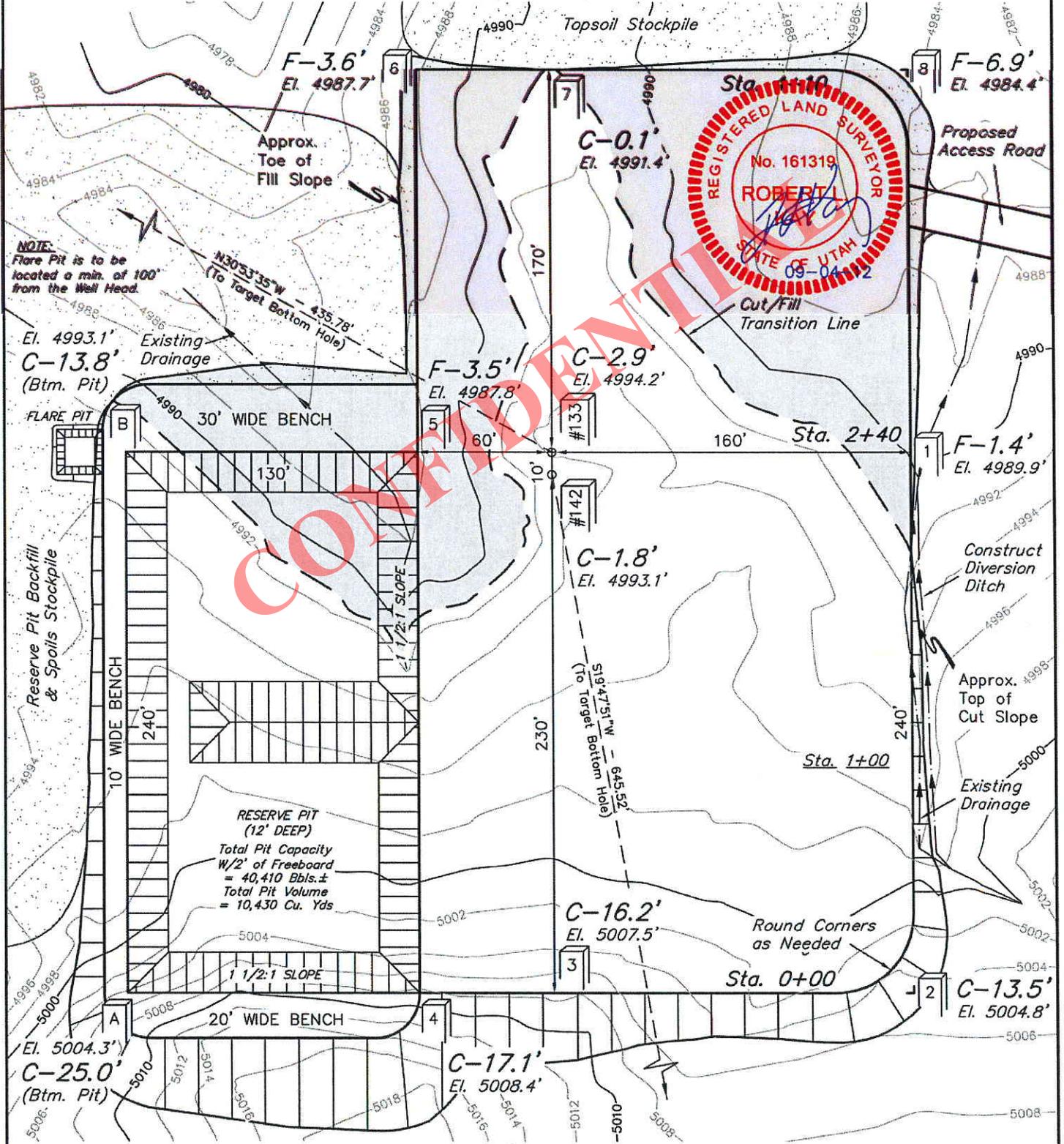
trogers@gascoenergy.com

E-mail

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GASCO PRODUCTION COMPANY
LOCATION LAYOUT FOR
DESERT SPRINGS STATE #133-36-9-18
& #142-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
NW 1/4 SW 1/4

FIGURE #1
 SCALE: 1" = 60'
 DATE: 08-30-12
 DRAWN BY: T.B.



Elev. Ungraded Ground At #133 Loc. Stake = 4994.2'
 FINISHED GRADE ELEV. AT #133 LOC. STAKE = 4991.3'

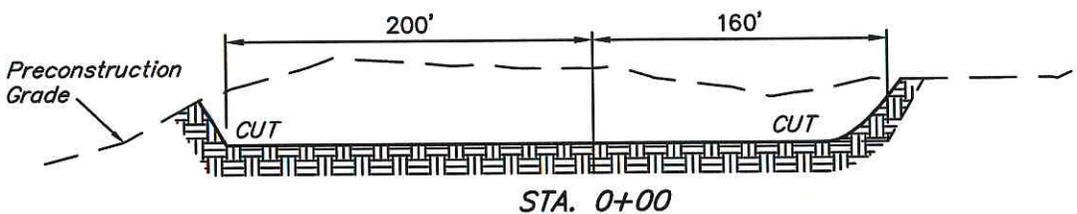
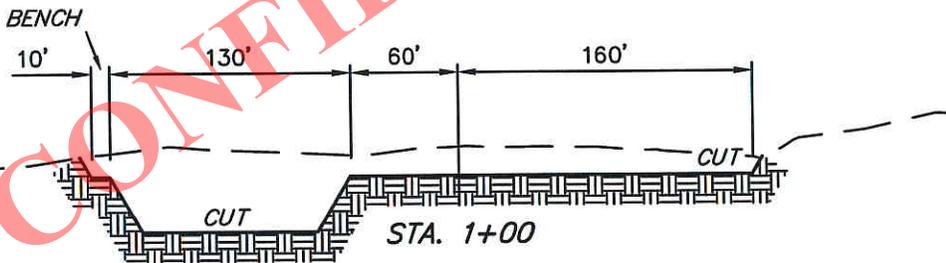
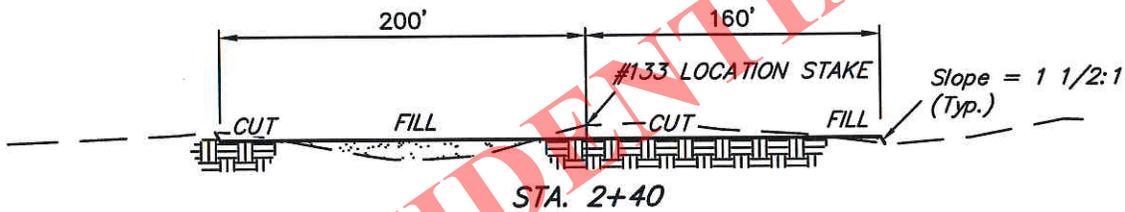
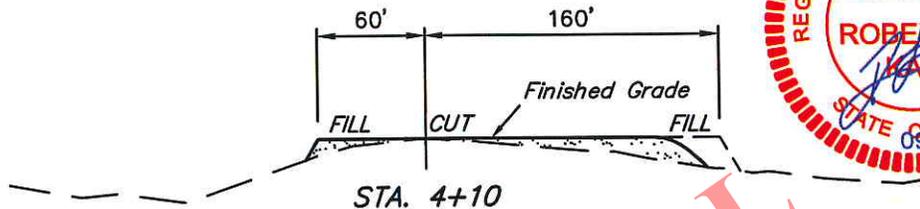
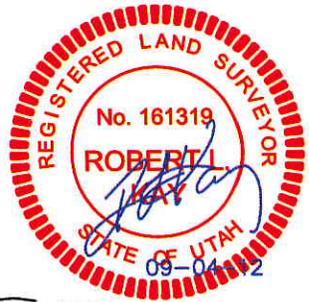
UINTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East • Vernal, Utah 84078 • (435) 789-1017

GASCO PRODUCTION COMPANY
TYPICAL CROSS SECTIONS FOR
DESERT SPRINGS STATE #133-36-9-18
& #142-36-9-18
SECTION 36, T9S, R18E, S.L.B.&M.
NW 1/4 SW 1/4

FIGURE #2

DATE: 08-30-12
 DRAWN BY: T.B.

1" = 40'
 X-Section Scale
 1" = 100'



NOTE:

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

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE = ± 4.933 ACRES
 ACCESS ROAD DISTURBANCE = ± 0.234 ACRES
 PIPELINE DISTURBANCE = ± 0.208 ACRES
 TOTAL = ± 5.375 ACRES

* NOTE:
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping = 2,790 Cu. Yds.
 Remaining Location = 32,110 Cu. Yds.
TOTAL CUT = 34,900 CU. YDS.
FILL = 4,230 CU. YDS.

EXCESS MATERIAL = 30,670 Cu. Yds.
 Topsoil & Pit Backfill = 8,010 Cu. Yds.
 (1/2 Pit Vol.)
 EXCESS UNBALANCE = 22,660 Cu. Yds.
 (After Interim Rehabilitation)

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

GASCO PRODUCTION COMPANY

TYPICAL RIG LAYOUT FOR

DESERT SPRINGS STATE #133-36-9-18

& #142-36-9-18

SECTION 36, T9S, R18E, S.L.B.&M.

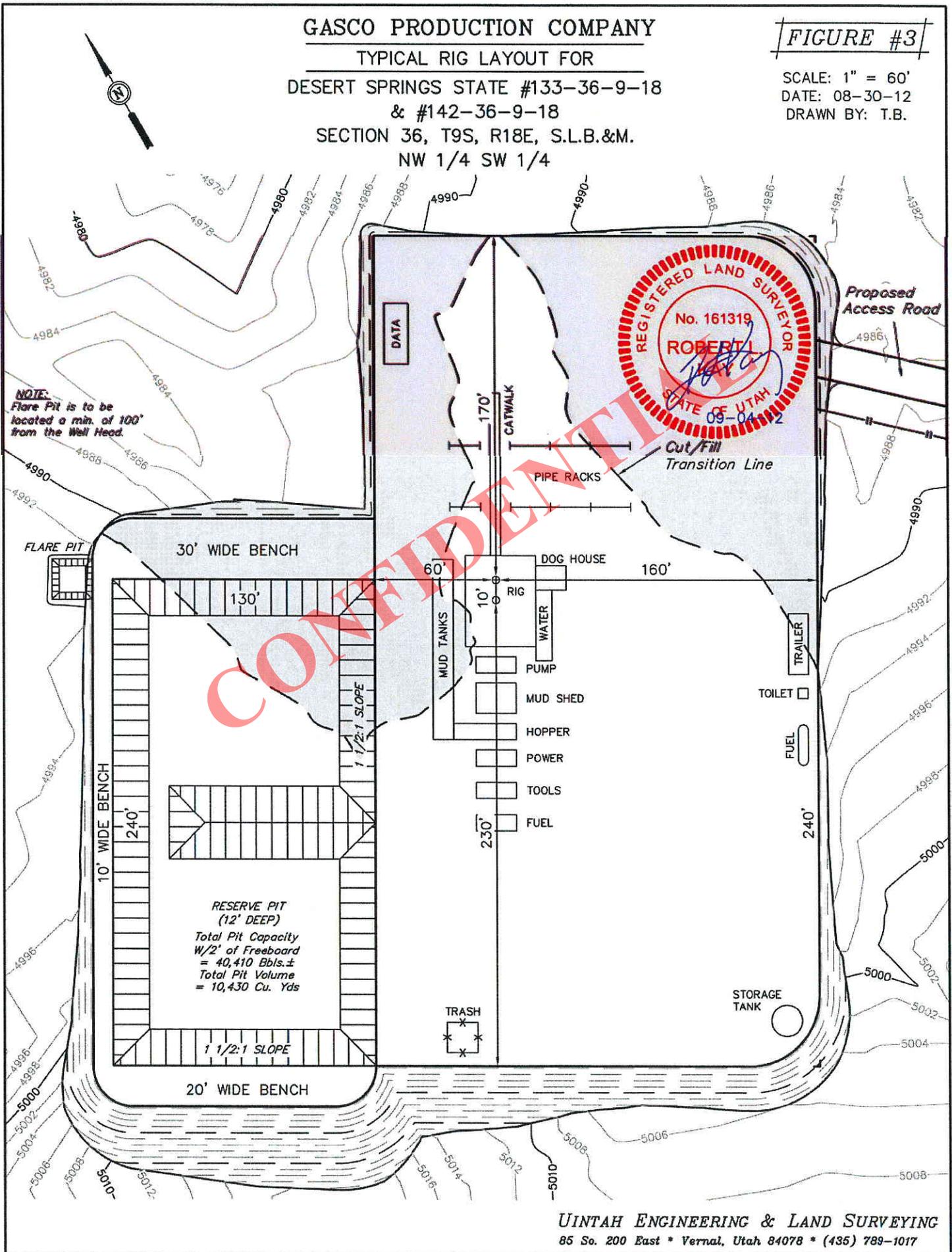
NW 1/4 SW 1/4

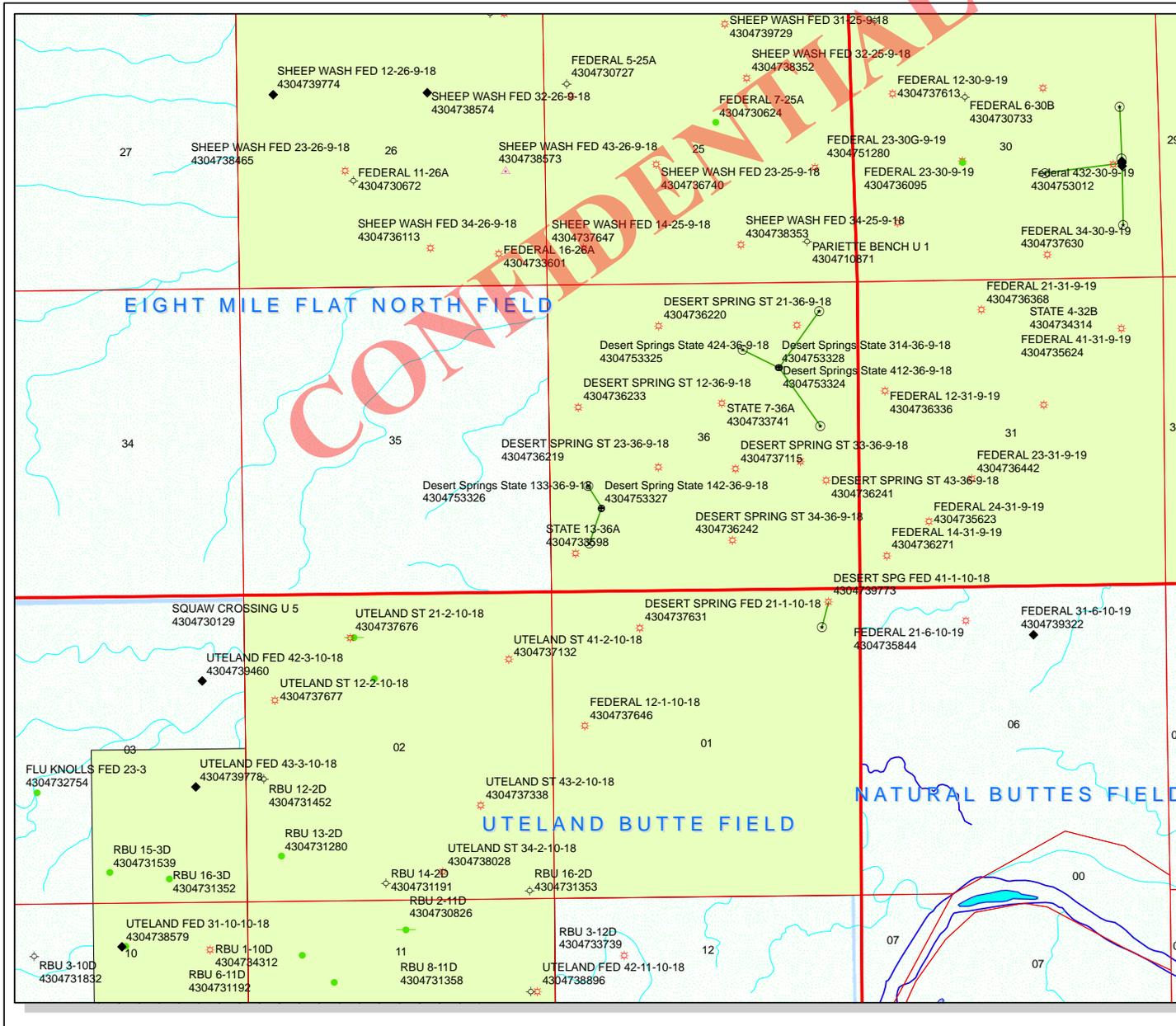
FIGURE #3

SCALE: 1" = 60'

DATE: 08-30-12

DRAWN BY: T.B.

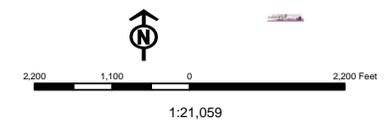




API Number: 4304753327
Well Name: Desert Spring State 142-36-9-18
Township T09.0S Range R18.0E Section 36
Meridian: SLBM
Operator: GASCO PRODUCTION COMPANY

Map Prepared:
 Map Produced by Diana Mason

- | | |
|----------------------|------------------------------------|
| Units STATUS | Wells Query Status |
| 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 |
| Fields STATUS | 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/Dls |
| STORAGE | |
| TERMINATED | |





December 5, 2012

State of Utah Division Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

**RE: Exception Location Request
Desert Springs State 142-36-9-18
1433 FSL, 879 FWL (surface) 825 FSL, 660 FWL (bottomhole)
Township 9 South, Range 18 East, SLM
Section 36: SW $\frac{1}{4}$ SW $\frac{1}{4}$
Uintah County, Utah**

To Whom It May Concern:

Pursuant to Rule 649-3-11 of UDOGM Rules and Regulations, Gasco Production Company ("Gasco") requests an exception to this location. The DSS 142-36-9-18 will be directionally drilled to minimize surface disturbance and impacts by using one surface location for multiple wells. Additionally Gasco is the owner of the oil and gas lease and the sole working interest owner within the 460' for the entire directional well bore.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Knight", written over a horizontal line.

Roger Knight
EHS Supervisor

Gasco Production Company
7979 East Tufts Avenue, Suite 1150
Denver, CO 80237

Tel: (303) 483-0044
Fax (303) 483-0011
Email: rknight@gascoenergy.com



dianawhitney@utah.gov

Mail

More

5 of about 83

COMPOSE

ESPN.com - Sources: Mets resume talks with ace Dickey - 1 hour ago

Web Clip

- Inbox (12)
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- Important
- Sent Mail
- Drafts
- BLM (10)
- Cabinet
- Electronic filing
- Eng. Tech
- Follow up
- Misc
- Priority
- Tariq
- More

GASCO approvals Inbox x

People (5)

Jeff Conley 12:49 PM (19 hours ago) ★

to Brad, rknight, Lavonne, Jim, me

Jeff Conley
TRUST LANDS RESOURCE SP...

Hello,

The following wells have been approved for both arch and paleo:

- [\(4304753327\)](#) Desert Springs State 142-36-9-18
- [\(4304753326\)](#) Desert Springs State 133-36-9-18

Thank you,

Jeff Conley
SITLA Resource Specialist
jconley@utah.gov
[801-538-5157](tel:801-538-5157)

[Show details](#)

Click here to [Reply](#), [Reply to all](#), or [Forward](#)

CONFIDENTIAL

Well Name	GASCO PRODUCTION COMPANY Desert Spring State 142-36-9-18 4			
String	COND	SURF	PROD	
Casing Size(")	13.375	9.625	4.500	
Setting Depth (TVD)	60	3400	12700	
Previous Shoe Setting Depth (TVD)	0	60	3400	
Max Mud Weight (ppg)	8.3	8.3	11.6	
BOPE Proposed (psi)	0	1000	5000	
Casing Internal Yield (psi)	1000	3520	12410	
Operators Max Anticipated Pressure (psi)	7655		11.6	

Calculations	COND String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	26	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	19	NO air/mist system
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	13	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	13	NO
Required Casing/BOPE Test Pressure=		60	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

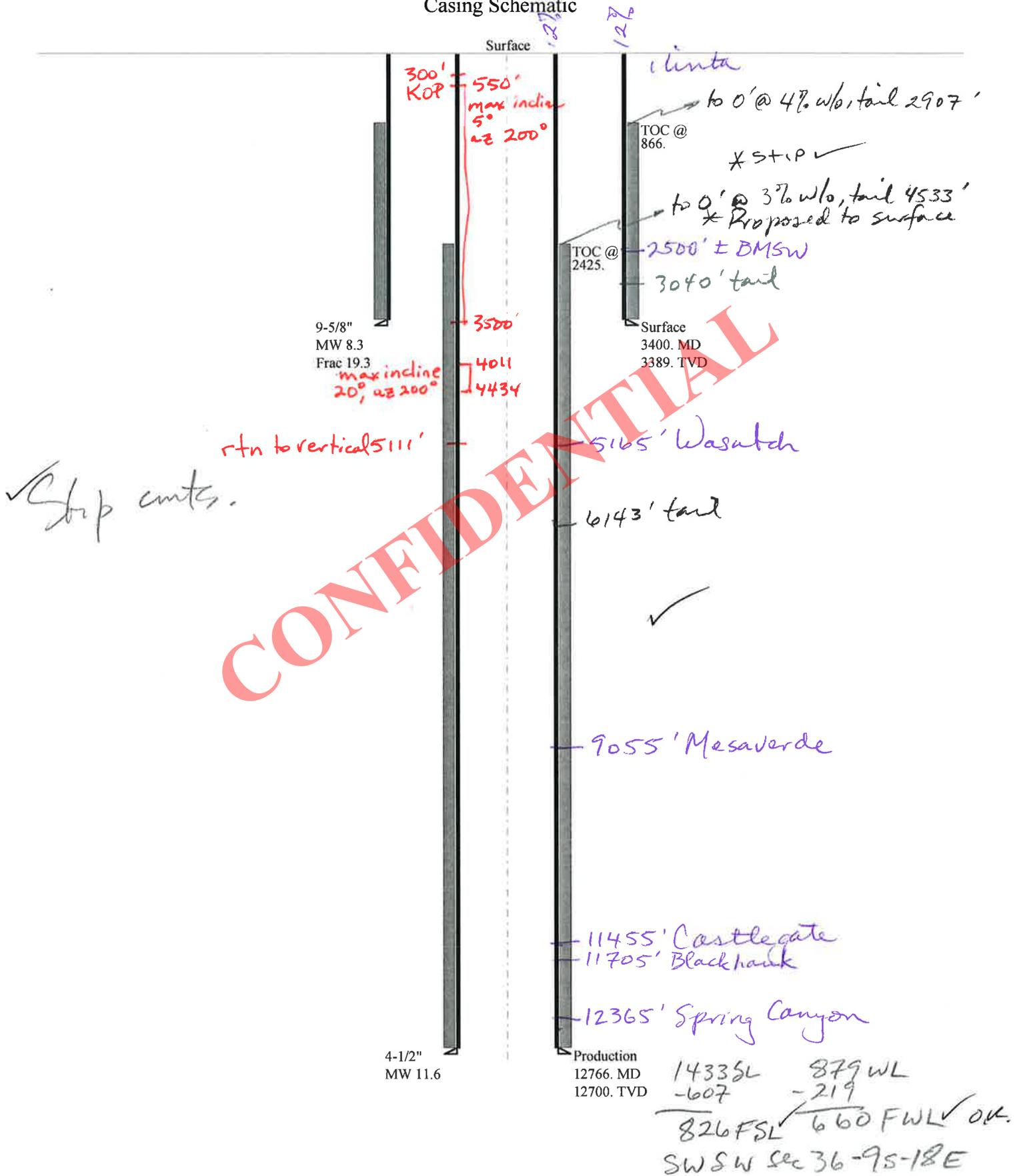
Calculations	SURF String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	1467	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	1059	NO air/mist system
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	719	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	732	NO OK
Required Casing/BOPE Test Pressure=		2464	psi
*Max Pressure Allowed @ Previous Casing Shoe=		60	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	4.500	"
Max BHP (psi)	.052*Setting Depth*MW=	7661	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6137	NO WBM
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	4867	YES OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	5615	NO OK
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		3400	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

43047533270000 Desert Springs State 142-36-9-18

Casing Schematic



Well name:	43047533270000 Desert Springs State 142-36-9-18	
Operator:	GASCO PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-047-53327
Location:	UINTAH COUNTY	

Design parameters:

Collapse

Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,978 psi
Internal gradient: 0.120 psi/ft
Calculated BHP: 3,385 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,982 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 121 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: 866 ft

Directional well information:

Kick-off point: 300 ft
Departure at shoe: 259 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 5 °

Re subsequent strings:

Next setting depth: 12,699 ft
Next mud weight: 11.600 ppg
Next setting BHP: 7,652 psi
Fracture mud wt: 19,250 ppg
Fracture depth: 3,384 ft
Injection pressure: 3,384 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3400	9.625	36.00	J-55	LT&C	3389	3400	8.796	27802
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1461	2020	1.383	3385	3520	1.04	107	453	4.23 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: February 14, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3389 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:	43047533270000 Desert Springs State 142-36-9-18		
Operator:	GASCO PRODUCTION COMPANY		
String type:	Production	Project ID:	43-047-53327
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

Mud weight: 11.600 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 252 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Burst:

Design factor 1.00

Cement top: 2,425 ft

Burst

Max anticipated surface pressure: 4,859 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,653 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 10,592 ft

Directional Info - Build & Hold

Kick-off point 300 ft
Departure at shoe: 645 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	12766	4.5	13.50	HCP-110	LT&C	12700	12766	3.795	71533
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	7653	10680	1.396	7653	12410	1.62	171.5	338	1.97 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: February 14, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 12700 ft, a mud weight of 11.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator GASCO PRODUCTION COMPANY
Well Name Desert Spring State 142-36-9-18
API Number 43047533270000 **APD No** 7163 **Field/Unit** 8 MILE FLAT NORTH
Location: 1/4,1/4 NWSW **Sec** 36 **Tw** 9.0S **Rng** 18.0E 1433 FSL 879 FWL
GPS Coord (UTM) 598334 4426628 **Surface Owner**

Participants

Sam LaRue (environmental consultant), McCoy Anderson (surveyor), Jesse Duncan (Gasco), Jeff Conley (SITLA)

Regional/Local Setting & Topography

This location sits on a gradual slope which drains north. The Monarch Desert Springs water disposal facility lies just to the north of this proposed location. Myton, UT is approximately 25 miles to the North West. To the south there lies a compressor station. The site is approximately 1.75 miles west of the Green River.

Surface Use Plan

Current Surface Use

Grazing

**New Road
Miles**

0.06

Well Pad

Width 220 **Length** 410

Src Const Material

Onsite

Surface Formation

UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Prickly pear, sparse grasses, rabbit brush, spiny hopsage
Pronghorn habitat

Soil Type and Characteristics

Clay loam, covered with fractured rock

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

Drainage Diversion Required? Y

Small drainage diversion needed along east side of location to ensure water stays in original drainage

Berm Required? N**Erosion Sedimentation Control Required?** N**Paleo Survey Run?** Y **Paleo Potential Observed?** Y **Cultural Survey Run?** N **Cultural Resources?** N**Reserve Pit****Site-Specific Factors****Site Ranking**

Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)		20
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
Final Score		40

1 Sensitivity Level

Characteristics / Requirements

The proposed reserve pit dimensions are 240ft x 13ft x 12ft deep. A 20 mil liner will be required because the pit will be used for 2 wells. The reserve pit is proposed in a cut stable location.

Closed Loop Mud Required? Y **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?** Y**Other Observations / Comments**

This well site is shared with the 43-047-53326

Richard Powell
Evaluator12/5/2012
Date / Time

**Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining**

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7163	43047533270000	LOCKED	GW	S	No
Operator	GASCO PRODUCTION COMPANY		Surface Owner-APD		
Well Name	Desert Spring State 142-36-9-18		Unit		
Field	8 MILE FLAT NORTH		Type of Work	DRILL	
Location	NWSW 36 9S 18E S 1433 FSL (UTM) 598349E 4426619N	879 FWL GPS Coord			

Geologic Statement of Basis

Gasco proposes to set 60' of conductor and 3,400' of surface casing at this location. Conductor and surface holes will be drilled with an air mist system and both will be cemented to surface. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 2,500'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 36. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement programs should adequately protect ground water in this area.

Brad Hill
APD Evaluator

12/18/2012
Date / Time

Surface Statement of Basis

This proposed well is on SITLA surface with SITLA minerals. SITLA representative Jeff Conley was present for the onsite. DWR representative Ben Williams was invited but unable to attend the onsite. Mr. Williams stated that this is yearlong pronghorn habitat but made no recommendations regarding this site. This is a relatively flat stable location and appears to be a good site for placement of this well. It is situated between two small drainages in such a way that the drainages are not disturbed but a diversion is necessary on the east side to make sure the drainage stays in its original course and does not enter the location. This diversion is indicated on the location layout. Directly south of the location lies a paleo site. During the onsite it was stated by Gasco representative Jesse Duncan that the site contains turtle remains. Jeff Conley also was aware of the paleo concerns but stated that SITLA was making no request for movement of the location due to the Paleo site. However, it was agreed that the location would be shrunk on the south side anyway to not overlap the site. It appeared from the supplied Paleo map that the location would only need to be shrunk 10 to 20 feet and Mr. Duncan of Gasco wished to have this done. A 20 mil liner was agreed to based on the fact that 2 wells will be drilled here and the pit will be subject to a longer use period than a single well pad.

Richard Powell
Onsite Evaluator

12/5/2012
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.

Surface Drainages adjacent to the proposed pad shall be diverted around the location.
Surface The reserve pit shall be fenced upon completion of drilling operations.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/20/2012

API NO. ASSIGNED: 43047533270000

WELL NAME: Desert Spring State 142-36-9-18

OPERATOR: GASCO PRODUCTION COMPANY (N2575)

PHONE NUMBER: 303 996-1803

CONTACT: Roger Knight

PROPOSED LOCATION: NWSW 36 090S 180E

Permit Tech Review:

SURFACE: 1433 FSL 0879 FWL

Engineering Review:

BOTTOM: 0825 FSL 0660 FWL

Geology Review:

COUNTY: UINTAH

LATITUDE: 39.98402

LONGITUDE: -109.84811

UTM SURF EASTINGS: 598349.00

NORTHINGS: 4426619.00

FIELD NAME: 8 MILE FLAT NORTH

LEASE TYPE: 3 - State

LEASE NUMBER: ML45171

PROPOSED PRODUCING FORMATION(S): MESA VERDE

SURFACE OWNER: 3 - State

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE/FEE - K08792707
- 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

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: R649-3-11
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - bhill
 5 - Statement of Basis - bhill
 12 - Cement Volume (3) - ddoucet
 15 - Directional - dmason
 23 - Spacing - dmason
 25 - Surface Casing - hmacdonald



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: Desert Spring State 142-36-9-18
API Well Number: 43047533270000
Lease Number: ML45171
Surface Owner: STATE
Approval Date: 3/12/2013

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 R649-3-11. The expected producing formation or pool is the MESA VERDE 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

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

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:

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.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon

as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 4 1/2 production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 3000' minimum.

Surface casing shall be cemented to the surface.

Additional Approvals:

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

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
OR
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
801-231-8956 - after office hours

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 in a cursive style.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: Desert Spring State 142-36-9-18	
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	9. API NUMBER: 43047533270000	
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: 8 MILE FLAT NORTH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1433 FSL 0879 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 36 Township: 09.0S Range: 18.0E 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: 1/1/2014	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

Gasco proposes the following changes to the approved casing program:

Surface Casing Hole size: 11.0" Csg size: 8.625" Length: 0-3400'
 Weight: 32# Grade & thread: J-55 LT&C Max Mud Weight: 8.3
 Production Casing Hole Size: 7.875" Csg Size: 4.5" Length: 0-12893'
 Weight: 13.5# Grade & thread: HCP-110 LT&C Max Mud Weight: 11.6

Approved by the Utah Division of Oil, Gas and Mining

Date: December 11, 2013

By: *Derek Duff*

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 11/26/2013	

Well name:	43047533270000 Desert Springs State 142-36-9-18	
Operator:	GASCO PRODUCTION COMPANY	
String type:	Surface	Project ID: 43-047-53327
Location:	UINTAH COUNTY	

Design parameters:

Collapse

Mud weight: 8.300 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,978 psi
Internal gradient: 0.120 psi/ft
Calculated BHP: 3,385 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor: 1.125

Burst:

Design factor: 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,981 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 121 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top:

270 ft @ 12% w/o
tail 2956

to 0' @ 9% w/o, tail 2905'

Directional well information:

Kick-off point: 300 ft
Departure at shoe: 259 ft
Maximum dogleg: 2 °/100ft
Inclination at shoe: 5 °

Re subsequent strings:

Next setting depth: 12,827 ft
Next mud weight: 11.600 ppg
Next setting BHP: 7,730 psi
Fracture mud wt: 19,250 ppg
Fracture depth: 3,384 ft
Injection pressure: 3,384 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	3400	8.625	32.00	J-55	LT&C	3389	3400	7.875	27399
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1461	2530	1.731 ✓	3385	3930	1.16 ✓	95.1	417	4.39 J ✓

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: December 11, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3389 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:	43047533270000 Desert Springs State 142-36-9-18		
Operator:	GASCO PRODUCTION COMPANY		
String type:	Production	Project ID:	43-047-53327
Location:	UINTAH COUNTY		

Design parameters:**Collapse**

Mud weight: 11.600 ppg
Design is based on evacuated pipe.

Minimum design factors:**Collapse:**

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 254 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: Surface ✓

Burst

Max anticipated surface pressure: 4,908 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,730 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.

Neutral point: 10,697 ft

Directional Info - Build & Hold

Kick-off point 300 ft
Departure at shoe: 645 ft
Maximum dogleg: 3 °/100ft
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	12893	4.5	13.50	HCP-110	LT&C	12827	12893	3.795	72245
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	7730	10680	1.382	7730	12410	1.61	173.2	338	1.95 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Mining

Phone: 801 538-5357
FAX: 801-359-3940

Date: December 11, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 12827 ft, a mud weight of 11.6 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: ML45171
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: Desert Spring State 142-36-9-18
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	9. API NUMBER: 43047533270000
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	PHONE NUMBER: 303 996-1805 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1433 FSL 0879 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 36 Township: 09.0S Range: 18.0E Meridian: S	9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH 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: 5/1/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width:100px;" type="text"/>

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

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

Date: March 13, 2014
By: 

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 3/13/2014	



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 43047533270000

API: 43047533270000

Well Name: Desert Spring State 142-36-9-18

Location: 1433 FSL 0879 FWL QTR NWSW SEC 36 TWNP 090S RNG 180E MER S

Company Permit Issued to: GASCO PRODUCTION COMPANY

Date Original Permit Issued: 3/12/2013

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

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

Signature: Jessica Berg

Date: 3/13/2014

Title: Regulatory Analyst Representing: GASCO PRODUCTION COMPANY

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	8. WELL NAME and NUMBER: Desert Spring State 142-36-9-18
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1433 FSL 0879 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 36 Township: 09.0S Range: 18.0E Meridian: S	9. API NUMBER: 43047533270000
PHONE NUMBER: 303 996-1805 Ext	9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
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: 4/7/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Gasco proposes the following change to the drilling fluids program- Conductor and surface csg are to be drilled with a mud and water system, not an air myst system as stated in the APD.

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

Date: April 07, 2014
 By: 

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/4/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS	
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	
5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:	8. WELL NAME and NUMBER: Desert Spring State 142-36-9-18
1. TYPE OF WELL Gas Well	9. API NUMBER: 43047533270000
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100 , Englewood, CO, 80112	PHONE NUMBER: 303 996-1805 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1433 FSL 0879 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 36 Township: 09.0S Range: 18.0E 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 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 type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 4/10/2014	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Drilled to 60' and set conductor.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 April 10, 2014**

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/10/2014	

Gasco Myton, Utah - Notification Form

CONFIDENTIAL

Operator GASCO PROD. Rig Name/# SST 54
Submitted By SCOTT ALLRED Phone Number 435-828-0601
Well Name/Number DESERT SPRINGS STATE 142-36-9-18
Qtr/Qtr ~~SW/NE~~ Section 36 Township 9 S Range 18 E *NW/SE*
Lease Serial Number ML54171
API Number 43047533270000

SPUD NOTICE – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time _____ AM PM

CASING – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

Date/Time 5/29/2014 10:00 AM PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time _____ AM PM

Remarks If you would like to witness, please call for a exact time

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: Desert Spring State 142-36-9-18	
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY	9. API NUMBER: 43047533270000	
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: 8 MILE FLAT NORTH
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1433 FSL 0879 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 36 Township: 09.0S Range: 18.0E 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: 8/25/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Temp Water Lines"/>

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

Gasco intends to lay approximately 4,941' of 10" lay flat hose along the bar ditch of the road from the Desert Springs Evaporation Facility Pit #1 (South Pit) to the pad for the Desert Spring State 133-36-9-18 and the Desert Spring State 142-36-9-18 (see attached map). All lay flat hose connections will be a twist and lock connection. Road crossings will have a 1 foot culvert put in place. Gasco intends to 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 intends to use the line to pump flowback water to the evap facility. It is estimated the lines will be in use for approximately 30 days. Gasco will monitor the lines for leaks at the startup and periodically throughout the operation.

Approved by the Utah Division of Oil, Gas and Mining

Date: September 02, 2014

By: 

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Jessica Berg	PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/18/2014	



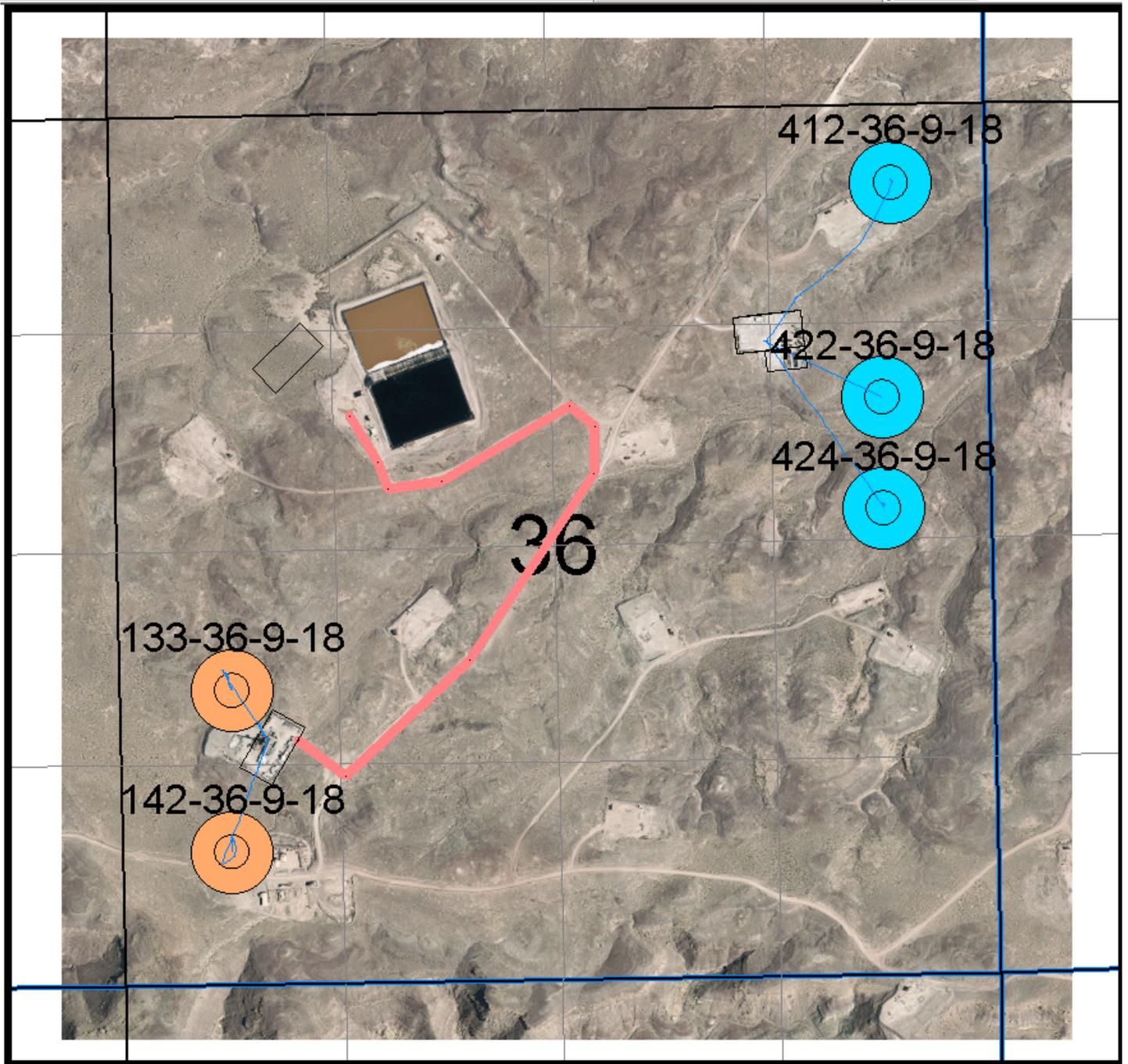
The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047533270000

The operation is approved as proposed. Approval from SITLA for the right-of way shall be obtained by Gasco Production Company.



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		8. WELL NAME and NUMBER: Desert Spring State 142-36-9-18	
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		9. API NUMBER: 43047533270000	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1433 FSL 0879 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH	
		COUNTY: UINTAH	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 9/12/2014	<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 checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 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 5:00 PM on 9/12/2014			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY September 18, 2014			
NAME (PLEASE PRINT) Jessica Berg		PHONE NUMBER 303 996-1805	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 9/18/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML45171
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Gas Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: GASCO PRODUCTION COMPANY		8. WELL NAME and NUMBER: Desert Spring State 142-36-9-18
3. ADDRESS OF OPERATOR: 8 Inverness Dr. East, Suite 100, Englewood, CO, 80112		9. API NUMBER: 43047533270000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1433 FSL 0879 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 36 Township: 09.0S Range: 18.0E Meridian: S		9. FIELD and POOL or WILDCAT: 8 MILE FLAT NORTH
		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: 9/22/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input checked="" 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 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 R N Industries, Inc Western Water Solutions

**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 9/20/2014	

RECEIVED

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

OCT 07 2014

FORM 6

Div. of Oil, Gas & Mining

ENTITY ACTION FORM

Operator: Gasco Energy Operator Account Number: N 2575
 Address: 7979 E Tufts Ave. Ste. 1150
city Denver
state CO zip 80237 Phone Number: (303) 996-1834

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304753326	Desert Spring State 133-36-9-18		NWSW	36	9S	18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
E	19456	19747	4/10/2014		10/9/14		
Comments: Requesting common entity for Desert Spring State 133-36-9-18 & Desert Spring State 142-36-9-18. <i>MVRD</i>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304753327	Desert Spring State 142-36-9-18		NWSW	36	9S	18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
E	19457	19747	4/10/2014		10/9/14		
Comments: Requesting common entity for Desert Spring State 133-36-9-18 & Desert Spring State 142-36-9-18.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Lindsey Cooke
 Name (Please Print) _____
 Signature *Lindsey Cooke*
 Production Tech _____
 Title _____ Date 10/6/2014

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG		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 UTAH

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

LEASE: ML-45171

WELL #: DSS 142-36-9-18

FIELD: Riverbend

LOCATION: SHL: 1433' FSL & 879' FWL

BHL: 763' FSL & 660' FWL

COUNTY: Uintah

ST: Utah

API: 43-047-53327

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: J-55
 WT/GRD: 32#
 CSA: 3,015
 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: 12,552
 SX: 419 sx Premium Lift
 1894 sx 50/50 Poz G
 CIRC: No
 TOC: 750'
 HOLE SIZE: 7 7/8"

GL:	4993'
SPUD DATE:	5/15/2014
COMP DATE:	9/3/2014
FIRST GAS	9/12/2014

Stimulation

Stage 12: 9/9/2014	Fracced w/ 100,990# 20-40 premium white sd using 2885 bbls of produced FR slick water	Stage 12 7523-7870	} 24 total shots	Wasatch
Stage 11: 9/9/2014	Fracced w/ 108,000# 20-40 premium white sd using 4286 bbls of produced FR slick water	Stage 11 8140-8453	} 27 total shots	Wasatch
Stage 10: 9/8/2014	Fracced w/ 84,200# 20-40 premium white sd using 3775 bbls of produced FR slick water	Stage 10 8622-8908	} 27 total shots	Wasatch
Stage 9: 9/8/2014	Fracced w/ 120,100# 20-40 premium white sd using 4847 bbls of produced FR slick water	Stage 9 9093-9471	} 30 total shots	Upper MV/Dark Canyon
Stage 8: 9/7/2014	Fracced w/ 108,100# 20-40 premium white sd using 4195 bbls of produced FR slick water	Stage 8 9742-99988	} 27 total shots	Upper Mesaverde
Stage 7: 9/7/2014	Fracced w/ 132,100# 20-40 premium white sd using 5263 bbls of produced FR slick water	Stage 7 10096-10382	} 24 total shots	Upper Mesaverde
Stage 6: 9/6/2014	Fracced w/ 192,100# 20-40 premium white sd using 8189 bbls of produced FR slick water	Stage 6 10593-10851	} 36 total shots	Lower Mesaverde
Stage 5: 9/5/2014	Fracced w/ 120,000# 20-40 premium white sd using 4983 bbls of produced FR slick water	Stage 5 10889-11190	} 24 total shots	Lower Mesaverde
Stage 4: 9/5/2014	Fracced w/ 120,000# 20-40 premium white sd using 5319 bbls of produced FR slick water	Stage 4 11248-11492'	} 30 total shots	Lower Mesaverde
Stage 3: 9/4/2014	Fracced w/ 168,100# 20-40 premium white sd using 6277 bbls of produced FR slick water	Stage 3 11778-12009'	} 30 total shots	Desert /Grassy/Sunnyside
Stage 2: 9/3/2014	Fracced w/ 72,100# 20-40 premium white sd using 2903 bbls of produced FR slick water	Stage 2 12195-12324'	} 24 total shots	Kenilworth/Aberdeen
Stage 1: 9/3/2014	Fracced w/ 96,100# 20-40 premium white sd using 3858 bbls of produced FR slick water	Stage 1 12412-12432	} 30 total shots	Spring Canyon

MD 12,567
 TD 12,425

LEASE: ML-45171

WELL #:

DSS 142-36-9-18

FIELD: Riverbend

LOCATION: SHL: 1433' FSL & 879' FWL

BHL: 763' FSL & 660' FWL

COUNTY: Uintah

ST: Utah

API:

43-047-53327

PERFORATION RECORD

Stage 6	Top	Bottom	ft	holes
	10593	10594	1	3
	10600	10601	1	3
	10634	10635	1	3
	10658	10659	1	3
	10672	10673	1	3
	10697	10698	1	3
	10722	10723	1	3
	10738	10739	1	3
	10744	10745	1	3
	10768	10769	1	3
	10829	10830	1	3
	10850	10851	1	3
			12	36
Stage 5	Top	Bottom	ft	holes
	10889	10890	1	3
	10918	10919	1	3
	10956	10957	1	3
	11042	11043	1	3
	11056	11057	1	3
	11142	11143	1	3
	11188	11190	2	6
			8	24
Stage 4	Top	Bottom	ft	holes
	11248	11249	1	3
	11306	11307	1	3
	11368	11369	1	3
	11410	11411	1	3
	11426	11428	2	6
	11442	11443	1	3
	11462	11463	1	3
	11490	11492	2	6
			10	30
Stage 3	Top	Bottom	ft	holes
	11778	11779	1	3
	11796	11797	1	3
	11806	11807	1	3
	11840	11841	1	3
	11850	11851	1	3
	11863	11864	1	3
	11886	11887	1	3
	11906	11907	1	3
	11965	11966	1	3
	12008	12009	1	3
			10	30
Stage 2	Top	Bottom	ft	holes
	12195	12196	1	3
	12201	12202	1	3
	12216	12217	1	3
	12236	12237	1	3
	12314	12316	2	6
	12322	12324	2	6
			8	24
Stage 1	Top	Bottom	ft	holes
	12412	12414	2	6
	12418	12422	4	12
	12428	12432	4	12
			10	30

Stage 12	Top	Bottom	ft	holes
	7523	7524	1	3
	7572	7573	1	3
	7695	7696	1	3
	7745	7746	1	3
	7858	7860	2	6
	7868	7870	2	6
			8	24
Stage 11	Top	Bottom	ft	holes
	8140	8141	1	3
	8158	8159	1	3
	8176	8177	1	3
	8240	8241	1	3
	8281	8282	1	3
	8388	8389	1	3
	8439	8440	1	3
	8451	8453	2	6
			9	27
Stage 10	Top	Bottom	ft	holes
	8622	8623	1	3
	8652	8653	1	3
	8764	8765	1	3
	8776	8777	1	3
	8832	8834	2	6
	8854	8855	1	3
	8906	8908	2	6
			9	27
Stage 9	Top	Bottom	ft	holes
	9093	9094	1	3
	9138	9139	1	3
	9182	9183	1	3
	9230	9231	1	3
	9240	9241	1	3
	9249	9251	2	6
	9468	9471	3	9
			10	30
Stage 8	Top	Bottom	ft	holes
	9742	9743	1	3
	9760	9761	1	3
	9794	9795	1	3
	9833	9834	1	3
	9894	9895	1	3
	9954	9955	1	3
	9966	9967	1	3
	9986	9988	2	6
			9	27
Stage 7	Top	Bottom	ft	holes
	10096	10097	1	3
	10114	10115	1	3
	10176	10177	1	3
	10188	10189	1	3
	10302	10303	1	3
	10346	10347	1	3
	10380	10382	2	6
			8	24



Company: Gasco Energy
 Company Man: Scott Alread/ Jerry Barnes
 Well: Isert Springs State 142-36-8-
 Rig: SST 54
 Job #: RD0414DM118
 Project:
 County: Uintah, Utah
 Field:

MWD SURVEY SHEET

Azimuth Reference: True North
 Vertical Section Azimuth: 199.81
 Magnetic Declination: 10.85
 Grid Correction: 0
 Total Correction Used: 10.85
 Vertical Reference: Rotary Table
 Calculation Method: Minimum Curvature
 Magnetic Model:
 Tool Error Model: Magnetic (Good)

Date: May 28, 2014
 MWD Operator:
 API #: 43047533270000-142
 Latitude: 39.9841
 Longitude: 109.848
 Ground Elevation: 4494
 KB to Ground Level: 24
 Ideal Dip Angle: 65.7
 Ideal Total Magnetic Field: 0.52
 Geodetic System: State Plane NAD 1927
 Tool Type: MWD-Positive Pulse

Survey Type	SURVEY #	MWD RUN #	BIT DEPTH	SURVEY DEPTH	INCLINATION	AZIMUTH	MAGNETIC DIP ANGLE	TOTAL FIELD (m)	GRAVITY TOTAL	D-H TEMP	TVD	Course Length	Vertical Section	North (N) South (S)	East (E) West (W)	Closure Dist (ft)	Closure Angle	DLS	Build Rate (1/100 ft)	Walk Rate (1/100 ft)	
	TIE IN			2997	4.22	197.97					2990.78			168.48 S	55.48 W						
MWD	1	1	3088	3043	4.26	199.1	65.5	0.52	0.999	80	3036.65	46.00	180.7	171.70 S	56.56 W	180.8	198.2	0.20	0.09	2.46	
MWD	2	1	3183	3138	4.18	195.59	65.8	0.52	0.999	86	3131.40	95.00	187.7	178.37 S	58.65 W	187.8	198.2	0.28	-0.08	-3.69	
MWD	3	1	3278	3233	5.41	203.41	65.8	0.52	0.999	91	3226.06	95.00	195.6	185.82 S	61.36 W	195.7	198.3	1.46	1.29	8.23	
MWD	4	1	3374	3329	7.74	207.71	65.8	0.52	0.999	96	3321.43	96.00	206.5	195.70 S	66.16 W	206.6	198.7	2.48	2.43	4.48	
MWD	5	1	3469	3424	8.53	205.78	65.9	0.52	0.999	97	3415.47	95.00	219.9	207.70 S	72.20 W	219.9	199.2	0.88	0.83	-2.03	
MWD	6	1	3564	3519	7.82	204.64	65.8	0.52	0.999	99	3509.50	95.00	233.3	219.92 S	77.96 W	233.3	199.5	0.77	-0.75	-1.20	
MWD	7	1	3659	3614	8.04	200.42	65.9	0.52	0.999	104	3603.60	95.00	246.4	232.02 S	82.97 W	246.4	199.7	0.65	0.23	-4.44	
MWD	8	1	3755	3710	8.7	203.94	65.9	0.52	0.999	107	3698.57	96.00	260.4	244.95 S	88.26 W	260.4	199.8	0.87	0.69	3.67	
MWD	9	1	3850	3805	9.67	198.75	65.9	0.52	0.999	109	3792.36	95.00	275.5	259.07 S	93.74 W	275.5	199.9	1.34	1.02	-5.46	
MWD	10	1	3945	3900	10.81	199.9	65.9	0.52	0.999	113	3885.84	95.00	292.4	275.05 S	99.21 W	292.4	199.8	1.20	1.20	1895.01	
MWD	11	1	4040	3995	11.78	197.17	65.9	0.52	0.999	114	3979.00	95.00	311.0	292.74 S	104.97 W	311.0	199.7	1.09	1.02	-1896.67	
MWD	12	1	4135	4090	14.33	198.05	65.9	0.52	0.999	118	4071.54	95.00	332.4	313.19 S	111.48 W	332.4	199.6	2.69	2.68	0.93	
MWD	13	1	4231	4186	15.47	197.61	65.9	0.52	0.999	120	4164.31	96.00	357.1	336.69 S	119.03 W	357.1	199.5	1.19	1.19	-0.46	
MWD	14	2	4326	4281	16.7	197.62	65.8	0.52	1.000	122	4255.59	95.00	383.4	361.77 S	127.00 W	383.4	199.3	1.29	1.29	0.01	
MWD	15	2	4421	4376	17.19	197.79	65.9	0.53	0.999	102	4346.46	95.00	411.1	388.15 S	135.42 W	411.1	199.2	0.52	0.52	0.18	
MWD	16	2	4515	4470	20.09	203.15	65.8	0.52	1.000	105	4435.53	94.00	441.1	416.23 S	146.01 W	441.1	199.3	3.58	3.09	5.70	
MWD	17	2	4610	4565	16.79	201.66	66	0.52	1.000	107	4525.64	95.00	471.1	443.99 S	157.50 W	471.1	199.5	3.51	-3.47	-1.57	
MWD	18	2	4705	4660	16.53	202.98	66	0.52	1.000	109	4616.65	95.00	498.3	469.19 S	167.84 W	498.3	199.7	0.48	-0.27	1.39	
MWD	19	2	4801	4756	18.68	206.67	65.8	0.52	1.000	111	4708.15	96.00	527.2	495.50 S	180.07 W	527.2	200.0	2.52	2.24	3.84	
MWD	20	2	4896	4851	18.95	204.82	66	0.52	1.000	115	4798.08	95.00	557.7	523.10 S	193.37 W	557.7	200.3	0.69	0.28	-1.95	
MWD	21	2	4990	4945	19.91	202.54	66	0.52	1.000	116	4886.72	94.00	588.9	551.73 S	205.92 W	588.9	200.5	1.30	1.02	-2.43	
MWD	22	2	5086	5041	18.9	201.84	66	0.52	1.000	119	4977.27	96.00	620.7	581.26 S	217.97 W	620.8	200.6	1.08	-1.05	-0.73	
MWD	23	2	5181	5136	16.57	201.05	66	0.52	1.000	122	5067.75	95.00	649.7	608.19 S	228.56 W	649.7	200.6	2.47	-2.45	-0.83	
MWD	24	2	5276	5231	14.81	200.96	65.8	0.53	1.000	122	5159.21	95.00	675.3	632.17 S	237.77 W	675.4	200.6	1.85	-1.85	-0.09	
MWD	25	2	5371	5326	13.89	200.96	65.9	0.52	1.000	122	5251.24	95.00	698.9	654.16 S	246.19 W	699.0	200.6	0.97	-0.97	0.00	
MWD	26	2	5466	5421	12.04	201.4	66	0.52	1.000	122	5343.81	95.00	720.2	674.04 S	253.88 W	720.3	200.6	1.95	-1.95	0.46	
MWD	27	2	5561	5516	10.29	206.06	65.8	0.53	1.000	123	5437.01	95.00	738.5	690.89 S	261.23 W	738.6	200.7	2.07	-1.84	4.91	
MWD	28	2	5656	5611	8.62	201.57	66	0.52	1.000	125	5530.72	95.00	754.1	705.13 S	267.57 W	754.2	200.8	1.92	-1.76	-4.73	
MWD	29	2	5752	5707	7.25	203.68	65.9	0.52	1.000	127	5625.80	96.00	767.3	717.37 S	272.65 W	767.4	200.8	1.46	-1.43	2.20	
MWD	30	2	5847	5802	4.79	199.73	66	0.52	1.000	129	5720.27	95.00	777.3	726.59 S	276.40 W	777.4	200.8	2.62	-2.59	-4.16	
MWD	31	2	5942	5897	3.34	190.06	66.1	0.52	1.000	129	5815.03	95.00	784.0	733.05 S	278.22 W	784.1	200.8	1.68	-1.53	-10.18	
MWD	32	2	6038	5993	1.89	140.66	65.8	0.53	1.000	131	5910.94	96.00	787.5	737.03 S	277.71 W	787.6	200.6	2.66	-1.51	-51.46	
MWD	33	2	6133	6088	2.77	100.32	66	0.53	1.000	131	6005.86	95.00	788.0	738.65 S	274.45 W	788.0	200.4	1.90	0.93	-42.46	
MWD	34	2	6228	6183	3.65	69.91	65.8	0.53	1.000	132	6100.72	95.00	785.6	738.03 S	269.36 W	785.6	200.1	1.98	0.93	-32.01	
MWD	35	2	6328	6279	4.57	62.44	66	0.53	1.000	134	6196.47	96.00	780.9	735.21 S	263.10 W	780.9	199.7	1.11	0.96	-7.78	
MWD	36	2	6419	6374	5.85	52.16	66	0.53	1.000	136	6291.08	95.00	774.0	730.48 S	255.92 W	774.0	199.3	1.66	1.35	-10.82	
MWD	37	2	6514	6469	5.19	53.74	66	0.53	1.000	134	6385.64	95.00	766.3	724.97 S	248.63 W	766.4	198.9	0.71	-0.69	1.66	
MWD	38	2	6608	6564	5.58	63.32	66	0.53	1.000	132	6480.22	95.00	759.4	720.36 S	241.04 W	759.6	198.5	1.03	0.41	10.08	
MWD	39	2	6703	6658	6.24	56.82	66	0.53	1.000	134	6573.72	94.00	752.0	715.51 S	232.68 W	752.4	198.0	1.00	0.70	-6.91	
MWD	40	2	6798	6753	5.71	58.14	66	0.53	1.000	136	6668.21	95.00	744.2	710.19 S	224.34 W	744.8	197.5	0.58	-0.56	1.39	
MWD	41	2	6893	6848	5.67	50.22	65.9	0.53	1.000	134	6762.74	95.00	736.4	704.69 S	216.72 W	737.3	197.1	0.83	-0.04	-8.34	
MWD	42	2	6989	6944	4.79	51.54	65.9	0.53	1.000	136	6858.34	96.00	728.9	699.17 S	209.94 W	730.0	196.7	0.93	-0.92	1.38	
MWD	43	2	7084	7039	4.92	36.16	65.8	0.53	1.000	138	6953.00	95.00	721.7	693.41 S	204.43 W	722.9	196.4	1.37	0.14	-16.19	
MWD	44	2	7178	7133	4.44	15.24	65.9	0.53	1.000	140	7046.70	94.00	714.2	686.64 S	201.09 W	715.5	196.3	1.87	-0.51	-22.26	
MWD	45	2	7273	7228	4.48	5.05	66	0.53	1.000	141	7141.41	95.00	706.9	679.40 S	199.80 W	708.2	196.4	0.83	0.04	-10.73	
MWD	46	2	7368	7323	5.27	3.99	65.8	0.53	1.000	141	7236.07	95.00	699.1	671.35 S	199.17 W	700.3	196.5	0.84	0.83	-1.12	
MWD	47	2	7463	7418	5.98	7.33	66	0.53	1.000	143	7330.61	95.00	690.1	662.09 S	198.23 W	691.1	196.7	0.82	0.75	3.52	
MWD	48	2	7558	7513	5.85	7.42	65.8	0.53	1.000	145	7425.10	95.00	680.5	652.38 S	196.98 W	681.5	196.8	0.14	-0.14	0.09	
MWD	49	2	7652	7607	5.89	359.25	65.9	0.53	1.000	145	7518.61	94.00	671.3	642.81 S	196.42 W	672.1	197.0	0.89	0.04	374.29	
MWD	50	2	7748	7703	5.93	351.07	65.9	0.54	1.000	145	7614.10	96.00	662.4	632.98 S	197.26 W	663.0	197.3	0.88	0.04	-8.52	
MWD	51	2	7843	7798	5.27	352.13	65.9	0.54	1.000	146	7708.65	95.00	654.2	623.81 S	198.62 W	654.7	197.7	0.70	-0.69	1.12	



Company: Gasco Energy
 Company Man: Scott Alread/ Jerry barnes
 Well: Isert Springs State 142-36-8
 Rig: SST 54
 Job #: RD0414DM118
 Project:
 County: Uintah, Utah
 Field:

MWD SURVEY SHEET

Azimuth Reference: True North
 Vertical Section Azimuth: 199.81
 Magnetic Declination: 10.85
 Grid Correction: 0
 Total Correction Used: 10.85
 Vertical Reference: Rotary Table
 Calculation Method: Minimum Curvature
 Magnetic Model:
 Tool Error Model: Magnetic (Good)

Date: May 28, 2014
 MWD Operator:
 API #: 43047533270000-142
 Latitude: 39.9841
 Longitude: 109.848
 Ground Elevation: 4494
 KB to Ground Level: 24
 Ideal Dip Angle: 65.7
 Ideal Total Magnetic Field: 0.52
 Geodetic System: State Plane NAD 1927
 Tool Type: MWD-Positive Pulse

Survey Type	SURVEY #	MWD RUN #	BIT DEPTH	SURVEY DEPTH	INCLINATION	AZIMUTH	MAGNETIC DIP ANGLE	TOTAL FIELD (m)	GRAVITY TOTAL	D-H TEMP	TYD	Course Length	Vertical Section	North (N) South (S)	East (E) West (W)	Closure Dist (ft)	Closure Angle	DLS	Build Rate ("/100 ft)	Walk Rate ("/100 ft)
MWD	80	2	9750	9705	1.41	168.26	66	0.53	1.000	165	9613.53	95.00	636.8	597.54 S	220.09 W	636.8	200.2	0.33	-0.27	-6.85
MWD	81	2	9844	9799	1.45	166.77	66	0.53	1.000	167	9707.50	94.00	638.8	599.83 S	219.59 W	638.8	200.1	0.06	0.04	-1.59
MWD	82	2	9939	9894	1.89	163.69	66.3	0.53	1.000	168	9802.46	95.00	641.0	602.50 S	218.87 W	641.0	200.0	0.47	0.46	-3.24
MWD	83	2	10034	9989	1.58	173.98	66	0.53	1.000	168	9897.42	95.00	643.5	605.31 S	218.29 W	643.5	199.8	0.46	-0.33	10.83
MWD	84	2	10129	10084	2.11	158.51	66.2	0.53	1.000	168	9992.37	95.00	646.0	608.24 S	217.51 W	646.0	199.7	0.76	0.56	-16.28
MWD	85	2	10225	10180	2.02	155.08	66.3	0.53	1.000	168	10088.30	96.00	648.5	611.42 S	216.15 W	648.5	199.5	0.16	-0.09	-3.57
MWD	86	2	10320	10275	2.29	166.24	66.3	0.53	1.000	170	10183.24	95.00	651.3	614.78 S	215.00 W	651.3	199.3	0.52	0.28	11.75
MWD	87	2	10415	10370	1.93	168.88	66.2	0.53	1.000	170	10278.17	95.00	654.2	618.19 S	214.24 W	654.3	199.1	0.39	-0.38	2.78
MWD	88	2	10510	10465	1.45	170.02	66.2	0.53	1.001	167	10373.13	95.00	656.6	620.95 S	213.72 W	656.7	199.0	0.51	-0.51	1.20
MWD	89	2	10605	10560	0.97	177.58	66.2	0.53	1.000	176	10468.11	95.00	658.4	622.94 S	213.48 W	658.5	198.9	0.53	-0.51	7.96
MWD	90	2	10700	10655	0.92	191.47	66.1	0.53	1.000	176	10563.10	95.00	659.9	624.49 S	213.60 W	660.0	198.9	0.25	-0.05	14.62
MWD	91	2	10795	10750	0.92	193.22	66.1	0.53	1.000	168	10658.08	95.00	661.4	625.98 S	213.92 W	661.5	198.9	0.03	0.00	1.84
MWD	92	2	10890	10845	1.45	185.23	66.4	0.53	1.000	172	10753.06	95.00	663.4	627.92 S	214.21 W	663.4	198.8	0.58	0.56	-8.41
MWD	93	2	10985	10940	1.36	182.41	66.1	0.53	1.001	174	10848.04	95.00	665.6	630.24 S	214.36 W	665.7	198.8	0.12	-0.09	-2.97
MWD	94	2	11079	11034	1.63	182.06	66.3	0.53	1.000	176	10942.00	94.00	667.9	632.69 S	214.46 W	668.0	198.7	0.29	0.29	-0.37
MWD	95	2	11175	11130	1.32	188.56	66.4	0.53	1.000	177	11037.97	96.00	670.3	635.15 S	214.67 W	670.4	198.7	0.37	-0.32	6.77
MWD	96	2	11270	11225	0.92	215.02	66.4	0.53	1.000	177	11132.95	95.00	672.1	636.85 S	215.27 W	672.3	198.7	0.68	-0.42	27.85
MWD	97	2	11364	11319	1.19	204.12	66.5	0.53	1.000	179	11226.94	94.00	673.8	638.36 S	216.10 W	673.9	198.7	0.36	0.29	-11.60
MWD	98	3	11463	11414	1.54	199.46	66.3	0.53	1.000	181	11321.91	95.00	676.1	640.47 S	216.93 W	676.2	198.7	0.39	0.37	-4.91
MWD	99	3	11558	11509	1.1	198.67	66.2	0.53	1.000	183	11416.89	95.00	678.3	642.53 S	217.65 W	678.4	198.7	0.46	-0.46	-0.83
MWD	100	3	11652	11603	1.14	191.55	66.3	0.53	1.000	185	11510.87	94.00	680.1	644.31 S	218.13 W	680.2	198.7	0.15	0.04	-7.57
MWD	101	3	11748	11699	1.36	187.86	66.5	0.53	1.000	190	11606.84	96.00	682.2	646.37 S	218.47 W	682.3	198.7	0.24	0.23	-3.84
MWD	102	3	11843	11794	1.41	192.17	66.5	0.53	1.000	188	11701.82	95.00	684.4	648.63 S	218.87 W	684.6	198.6	0.12	0.05	4.54
MWD	103	3	11939	11890	1.23	189	66.5	0.53	1.000	185	11797.79	96.00	686.6	650.80 S	219.28 W	686.8	198.6	0.20	-0.19	-3.30
MWD	104	3	12034	11985	1.41	185.4	66.5	0.53	1.000	192	11892.77	95.00	688.7	652.97 S	219.55 W	688.9	198.6	0.21	0.19	-3.79
MWD	105	3	12130	12081	1.45	180.39	66.4	0.53	1.000	192	11988.74	96.00	691.0	655.36 S	219.67 W	691.2	198.5	0.14	0.04	-5.22
MWD	106	3	12225	12176	1.54	178.28	66.4	0.53	1.000	194	12083.70	95.00	693.3	657.84 S	219.64 W	693.5	198.5	0.11	0.09	-2.22
MWD	107	3	12320	12271	1.71	173.71	66.5	0.53	1.000	194	12178.67	95.00	695.8	660.52 S	219.45 W	696.0	198.4	0.22	0.18	-4.81
MWD	108	3	12415	12366	1.67	176.7	65.5	0.53	1.000	196	12273.62	95.00	698.4	663.32 S	219.21 W	698.6	198.3	0.10	-0.04	3.15
MWD	109	3	12510	12462	1.85	177.93	65.5	0.53	1.000	198	12369.58	96.00	701.1	666.26 S	219.08 W	701.4	198.2	0.19	0.19	1.28
MWD	110	3	12567	12518	1.8	174.33	66.3	0.53	1.000	198	12425.55	56.00	702.7	668.04 S	218.96 W	703.0	198.1	0.22	-0.09	-6.43
MWD		3																		

RECEIVED

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

OCT 07 2014

FORM 6

Div. of Oil, Gas & Mining

ENTITY ACTION FORM

Operator: Gasco Energy Operator Account Number: N 2575
Address: 7979 E Tufts Ave. Ste. 1150
city Denver
state CO zip 80237 Phone Number: (303) 996-1834

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304753326	Desert Spring State 133-36-9-18		NWSW	36	9S	18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
E	19456	19747	4/10/2014		10/9/14		
Comments: Requesting common entity for Desert Spring State 133-36-9-18 & Desert Spring State 142-36-9-18. <i>MVRD</i>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304753327	Desert Spring State 142-36-9-18		NWSW	36	9S	18E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
E	19457	19747	4/10/2014		10/9/14		
Comments: Requesting common entity for Desert Spring State 133-36-9-18 & Desert Spring State 142-36-9-18.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

- ACTION CODES:**
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (Explain in 'comments' section)

Lindsey Cooke
 Name (Please Print) _____
 Signature *Lindsey Cooke* _____
 Production Tech _____ 10/6/2014
 Title _____ Date _____

Effective Date: 4/16/2015

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

WELL INFORMATION:

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

OPERATOR CHANGES DOCUMENTATION:

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

REVIEW:

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

NEW OPERATOR BOND VERIFICATION:

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

DATA ENTRY:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

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**

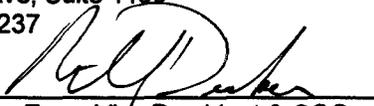
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 4/16/2015	<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

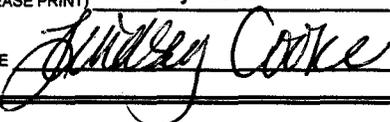
JUN 02 2015

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: *Rachel Medina*

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

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

LAMB TRUST 34-22A-9-19	22	090S	190E	4304738673	15832	Fee	Fee	GW	P
UTELAND FED 42-11-10-18	11	100S	180E	4304738896	16792	Federal	Federal	GW	P
STATE 21-32B	32	090S	190E	4304739170	16309	State	State	GW	P
STATE 22-32A	32	090S	190E	4304739171	16308	State	State	GW	P
STATE 21-32A	32	090S	190E	4304739172	16310	State	State	GW	P
FEDERAL 11-19-9-19	19	090S	190E	4304739717	17054	Federal	Federal	GW	P
SHEEP WASH FED 31-25-9-18	25	090S	180E	4304739729	17241	Federal	Federal	GW	P
SHEEP WASH FED 11-25-9-18	25	090S	180E	4304739730	17266	Federal	Federal	GW	P
DESERT SPG FED 41-1-10-18	1	100S	180E	4304739773	17013	Federal	Federal	GW	P
FED 32-19X-9-19(RIGSKID)	19	090S	190E	4304740233	17014	Federal	Federal	GW	P
FEDERAL 23-30G-9-19	30	090S	190E	4304751280	18211	Federal	Federal	OW	P
FEDERAL 34-19G-9-19	19	090S	190E	4304751281	18210	Federal	Federal	OW	P
FEDERAL 442-30-9-19	30	090S	190E	4304752870	19647	Federal	Federal	GW	P
FEDERAL 333-30-9-19	30	090S	190E	4304752872	19648	Federal	Federal	GW	P
FEDERAL 423-30-9-19	30	090S	190E	4304753011	19649	Federal	Federal	GW	P
Desert Springs State 412-36-9-18	36	090S	180E	4304753324	19783	State	State	GW	P
Desert Springs State 424-36-9-18	36	090S	180E	4304753325	19783	State	State	GW	P
Desert Springs State 133-36-9-18	36	090S	180E	4304753326	19747	State	State	GW	P
Desert Spring State 142-36-9-18	36	090S	180E	4304753327	19747	State	State	GW	P
DESERT SPRINGS ST 422-36-9-18	36	090S	180E	4304753328	19783	State	State	GW	P
WILKIN RIDGE ST 31-32-10-17	32	100S	170E	4301332677	15144	State	State	GW	S
SQUAW CROSSING U 5	2	100S	180E	4304730129	16266	State	State	OW	S
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