

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL			5. MINERAL LEASE NO: ML-49170	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. UNIT or CA AGREEMENT NAME: NA	
2. NAME OF OPERATOR: Delta Petroleum Corporation			9. WELL NAME and NUMBER: Greentown State #36-22S	
3. ADDRESS OF OPERATOR: 370 17th St, Suite 4300 CITY Denver STATE CO ZIP 80021		PHONE NUMBER: (303) 575-0323	10. FIELD AND POOL, OR WILDCAT: Wildcat	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2047' FNL & 1600' FWL AT PROPOSED PRODUCING ZONE: Same as surface			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 36 21S 16E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 5 miles South and East of Green River, Utah			12. COUNTY: Grand	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1600'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) NA	19. PROPOSED DEPTH: 3,850	20. BOND DESCRIPTION: CPCS-215808		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): GR - 4375	22. APPROXIMATE DATE WORK WILL START: 2/15/2007	23. ESTIMATED DURATION: 35 days		

24. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
11"	8-5/8" J-55 STC 24#	1,800	Lead - 85/15/8	225 sxs	2.14	12.5#
			Tail - Type III	275 sxs	1.41	14.6#
7-7/8"	5-1/2" J-55 LTC 17#	3,850	Lead - 85/15/8	345 sxs	2.14	12.5#
			Tail - Type III	200 sxs	1.41	14.6#

25. 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"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Terry L. Hoffman TITLE Regulatory Manager
SIGNATURE *Terry L. Hoffman* DATE 1/17/2007

(This space for State use only)

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

RECEIVED

JAN 22 2007

API NUMBER ASSIGNED: 43-019-31523

APPROVAL:

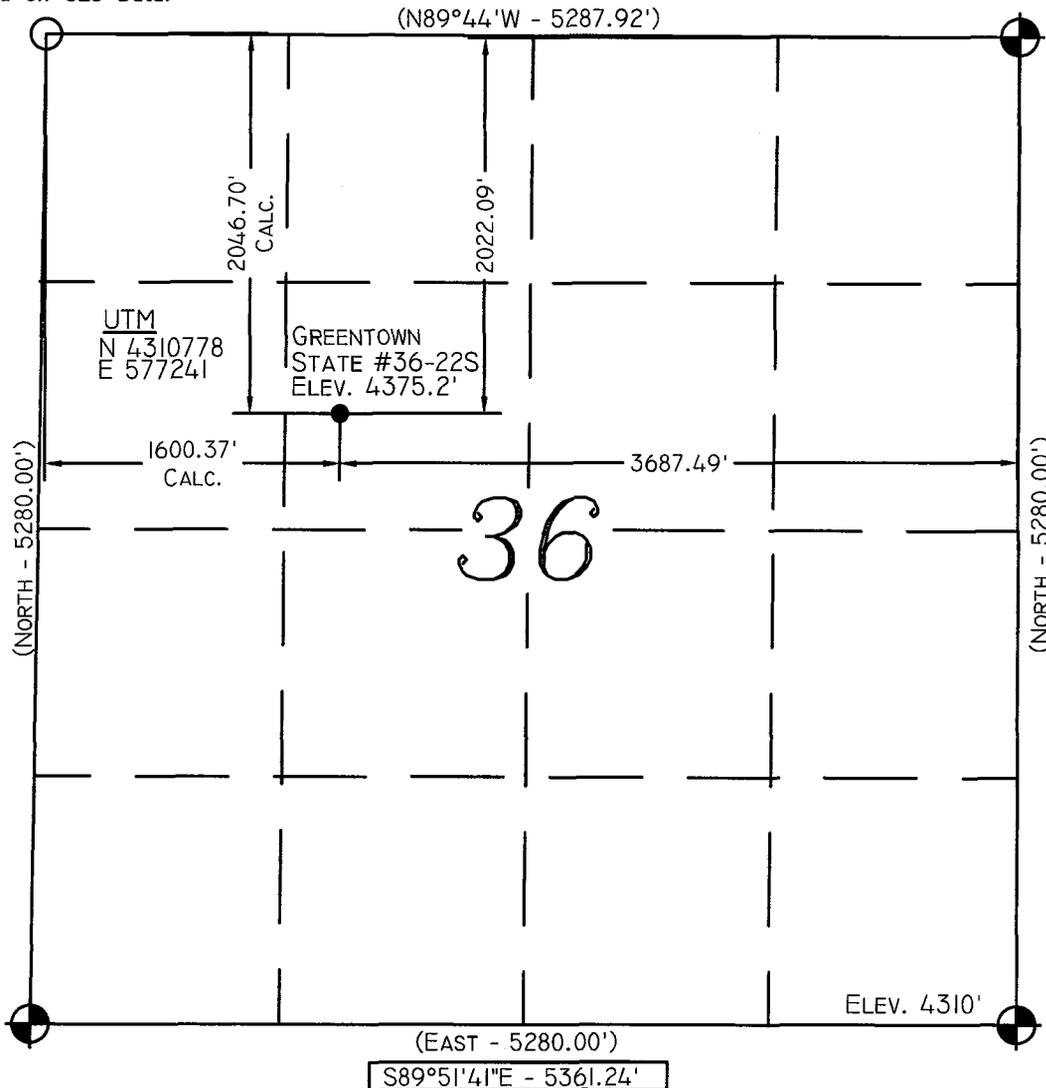
Date: 07-12-07
By: *[Signature]*

DIV. OF OIL, GAS & MINING

Calculated Distances
based on GLO Data.

Range 16 East

Township 21 South



Location:

The well location was determined using a Trimble 5700 GPS survey grade unit.

Basis of Bearing:

The Basis of Bearing is GPS Measured.

GLO Bearing:

The Bearings indicated are per the recorded plat obtained from the U.S. Land Office.

Basis of Elevation:

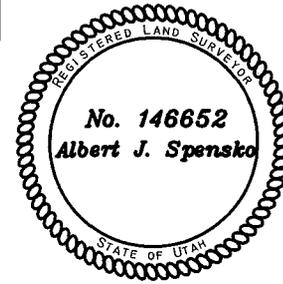
Basis of Elevation of 4310' being at the Southeast Section Corner of Section 36, Township 21 South, Range 16 East, Salt Lake Base and Meridian, as shown on the Green River NE Quadrangle 7.5 minute series map.

Description of Location:

Proposed Drill Hole located in the SE/4 NW/4 of Section 36, T21S, R16E, S.L.B.&M., being 2022.09' South and 3687.49' West from the Northeast Section Corner of Section 36, T21S, R16E, Salt Lake Base & Meridian.

Surveyor's Certificate:

I, Albert J. Spensko, a Registered Professional Land Surveyor, holding Certificate 146652 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.



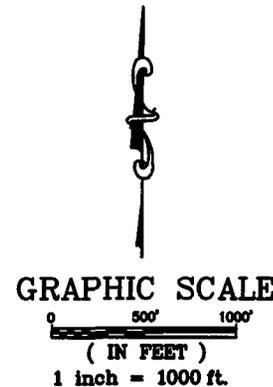
Legend

- Drill Hole Location
- ⊙ Stone Monument (Found)
- Stone Monument (Searched for, but not found)
- △ Calculated Corner
- () GLO
- GPS Measured

NOTES:

1. UTM and Latitude / Longitude Coordinates are derived using a GPS Pathfinder and are shown in NAD 27 Datum.

LAT / LONG
38°56'39.891"N
110°06'31.371"W



TALON RESOURCES, INC.
195 North 100 West P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talon @ etv.net

Greentown State #36-22S
Section 36, T21S, R16E, S.L.B.&M.
Grand County, Utah

Drawn By: N. BUTKOVICH	Checked By: L.W.J./A.J.S.
Drawing No. A-1	Date: 1/5/07
	Scale: 1" = 1000'
Sheet 1 of 4	Job No. 2699

January 19, 2007

TIGHT HOLE STATUS

Ms. Diana Mason
State of Utah
Division of Oil Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Request for Exception to State Spacing Rule, (Rule R649-3-3)—Delta Petroleum Corp. Greentown State 36-22S, Grand County, Utah: SE/4 NW/4, 2047' FNL, 1600' FWL, Section 36, T21S, R16E, SLB&M.

Dear Ms. Mason:

Delta Petroleum Corporation respectfully submits the following request for exception to spacing and information to supplement the submitted APD for the above referenced well.

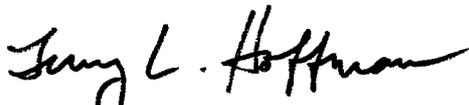
A request for exception to spacing is hereby requested based on topography

Delta Petroleum Corporation is the only owner and operator within 460' of the proposed well location.

Thank you for your timely consideration of this request. Please feel free to contact myself or Mr. Larry Johnson at 435-687-5310 if you have any questions or need additional information.

Sincerely,

DELTA PETROLEUM CORPORATION



Terry L. Hoffman
Regulatory Manager

cc: Mr. Ed Bonner SITLA
Mr. Bart Kettle DOGM
Mr. Larry Johnson Talon

RECEIVED

JAN 22 2007

DIV. OF OIL, GAS & MINING

EXHIBIT "D"
DRILLING PROGRAM

TIGHT HOLE STATUS

Attached to UDOGM Form 3
Delta Petroleum Corporation
Greentown State #36-22S
SE/4 NW/4, Sec. 36, T21S, R16E, SLB & M
2047' FNL, 1600' FEL
Grand County, Utah

1. The Geologic Surface Formation

	<u>TVD</u>	<u>Subsea</u>
Morrison-Salt Wash	0'	4387'

2. Estimated Tops of Important Geologic Markers

	<u>TVD</u>	<u>Subsea</u>
Morrison-Salt Wash	0'	4387' (KB)
Entrada	592'	3795'
Carmel	1144'	3243'
Navajo	1309'	3078'
Kayenta	1745'	2642'
Wingate	1782'	2605'
Chinle	2245'	2142'
Shinarump	2427'	1960'
Moenkopi	2473'	1914'
Sinbad Is.	3068'	1319'
White Rim	3285'	1102'
Total Depth	3850'	537'

3. Projected Gas & Water Zones

		<u>TVD</u>	<u>Subsea</u>
Morrison-Salt Wash	Water/Oil	0'	4387'
Entrada	Water	592'	3795'
Navajo	Water	1309'	3078'
Wingate	Water	1782'	2605'
White Rim	Oil/Gas/Wtr	3285'	1102'

No Groundwater is anticipated to be encountered. Water encountered will be reported on a Form 7 "Report of Water Encountered during Drilling".

Casing & cementing will be done to protect all fresh water zones, potentially productive hydrocarbons, lost circulation zones, abnormal pressure zones, and prospectively valuable mineral deposits.

All indications of usable water will be reported.

Surface casing will be tested to 1500 psi for 15 minutes. Pressure drop is not to exceed 150 psi.

4) The Proposed Casing and Cementing Programs

Casing Program

Hole Size	Setting Depth	Size (OD)	Weight, Grade & Joint	Condition
11"	1800'	8-5/8"	24#, J-55 ST&C	New
7-7/8"	3850'	5-1/2"	17#, J-55 LT&C	New

Cement Program

Surface Casing:

Lead: 225 sxs 85/15/8
Weight: 12.5 #/gal
Yield: 2.14 cu.ft/sk
Cmt Top 0'

Tail: 275 sxs Type III
Weight: 14.6 #/gal
Yield: 1.41 cu.ft/sk
Cmt Top 1000'

Production Casing:

Lead: 345 sxs 85/15/8
Weight: 12.5 #/gal
Yield: 2.14 cu.ft/sk
Cmt Top 0'

Tail: 200 sxs Type III
Weight: 14.6 #/gal
Yield: 1.41 cu.ft/sk
Cmt Top 3000'

The following shall be entered in the driller's log:

- 1) Blowout preventer pressure tests, including test pressures and results;
- 2) Blowout preventer tests for proper functioning;
- 3) Blowout prevention drills conducted;
- 4) Casing run, including size, grade, weight, and depth set;
- 5) How the pipe was cemented, including amount of cement, type, whether cement circulated, location of the cementing tools, etc.;
- 6) Waiting on cement time for each casing string;
- 7) Casing pressure tests after cementing, including test pressures and results.

5. The Operator's Minimum Specifications for Pressure Control

While drilling the Greentown Sate 36-11, located in the NWNW of section 36, T21S R16E, up to a depth of 6,011 feet normal pressure gradients were seen (mud weight of 10.2 ppg or 0.53 psi/ft). At 6,011 feet, a clastic break was drill which required mud weights up to 12.5 ppg (0.65 psi/ft) to control permeable gas.

While drilling the Greentown State 32-42, located in the SENE of section 32, T22S R17E, up to a depth of 5,600 feet, normal pressure gradients were seen (mud weight of 10.2 ppg or 0.53 psi/ft). After 5,600 feet, a clastic break was drilled which required mud weights up to 11.2 ppg (0.58 psi/ft) to control permeable gas. Another clastic break was drilled at 7,710 feet which required mud weights of 12.7 ppg (0.66 psi/ft). A clastic break was again drilled at 8,552 feet which required mud weights of 13.4 ppg (0.70 psi/ft).

As a result of the knowledge and experience gained from the drilling of these two state wells, Delta has changed well construction plans for this well. The drilling plan now reflects and are based on maximum mud weight of 13.5 ppg. This will require pressure equipment which will be rated and tested to 5,000 psi.

Exhibit "G" is a schematic diagram of the blowout preventer equipment. An 11" 5,000 psi Double gate Hydraulic BOP with one (1) blind ram and one (1) pipe ram and Annular Preventer; equipped with a 5,000 psi manual choke manifold. The BOP will be tested and charted using a BOP tester and test plug to 5,000 psi for 10 minutes. The Annular Preventer will be tested to 2,500 psi for 10 minutes. All text will be recorded in the Driller's log book. Pipe rams will be function tested daily, and blind rams tested on each trip.

6. The Type and Characteristics of the Proposed Circulating Muds

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Vis</u>	<u>Water Loss</u>
0-1800'	Wtr	+/-8.5	+/-28	NC
1800-3850'	LSND	+/-9.0	+/-44	+/-8

7. The Testing, Logging and Coring Programs are as followed

Testing - DST's are not planned

Logging - End of Surface casing – TD Platform Express plus sonic scanner

Coring - No coring is planned for this location

Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 4800 psi max. No hydrogen sulfide or other hazardous gases or fluids have been found, reported or are known to exist at these depths in the area.

8. Anticipated Starting Date and Duration of the Operations.

The well will be drilled in approximately February 15, 2007, (as soon as permit is approved).

Verbal and/or written notifications listed below shall be submitted in accordance with instructions from the Division of Oil, Gas & Mining:

- (a) prior to beginning construction;
- (b) prior to spudding;
- (c) prior to running any casing or BOP tests;
- (d) prior to plugging the well, for verbal plugging instructions.

Spills, blowouts, fires, leaks, accidents or other unusual occurrences shall be reported to the Division of Oil, Gas & Mining immediately.

EXHIBIT "D"
DRILLING PROGRAM

TIGHT HOLE STATUS

Attached to UDOGM Form 3
Delta Petroleum Corporation
Greentown State #36-22S
SE/4 NW/4, Sec. 36, T21S, R16E, SLB & M
2047' FNL, 1600' FEL
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The well will be drilled in approximately February 15, 2007, (as soon as permit is approved).

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- (a) prior to beginning construction;
- (b) prior to spudding;
- (c) prior to running any casing or BOP tests;
- (d) prior to plugging the well, for verbal plugging instructions.

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EXHIBIT "E"
Multipoint Surface Use Plan

Attached to UDOGM Form 3
Delta Petroleum Corporation
Greentown State #36-22S
SE/4 NW/4, Sec. 36, T21S, R16E, SLB & M
2047' FNL, 1600' FWL
Grand County, Utah

1. Existing Roads

- a. The proposed existing access road includes the upgraded road to the Greentown State 36-22S along with the upgraded Grand County Class D road and Class B paved road.
- b. Existing roads will be maintained in the same or better condition. See Drawing L-1

2. Planned Access

Approximately 1900' (.35 miles) of two track road will be upgraded and approximately 100' (.02 miles) of new access will be constructed (See Drawing L-1) Access is determined by acquired Right of way by the surface owner.

- a. Maximum Width: 24' (Exhibit F)
- b. Maximum grade: 10 %
- c. Turnouts: None
- d. Drainage design: 4 – 18" culverts may be required along the new portion of the road. Water will be diverted around the road as necessary and practical.
- e. If the well is productive, the road will be surfaced and maintained as necessary to prevent soil erosion and accommodate year-round traffic.
- f. Existing trees will be left in place where practical to provide screening and buffer areas.

3. Location of Existing Wells

- a. See Drawing L-1.

TIGHT HOLE STATUS

4. Location of Existing and/or Proposed Facilities

- a. If the well is a producer, installation of production facilities will follow.
- b. Rehabilitation of all pad areas not used for production facilities will be made in accordance with landowner stipulations.

5. Location and Type of Water Supply

- a. Water to be used for drilling will be obtained from Thompson City, Utah

6. Source of Construction Materials

- a. Any necessary construction materials needed will be obtained locally from a private source and hauled to the location on existing roads.
- b. No construction or surfacing materials will be taken from Federal/Indian land.

7. Methods for handling waste disposal

- a. The reserve pit on the pad will be used to accommodate the drilling of the well. The pit will be a minimum of one-half the total depth below the original ground surface on the lowest point within the pit. The pit may be lined with a synthetic liner. Three sides of the reserve pit will be fenced within 24 hours after completion of construction and the fourth side within 24 hours after drilling operations cease with four strands of barbed wire, or woven wire topped with barbed wire to a height of not less than four feet. The fence will be kept in good repair while the pit is drying.
- b. Following drilling, the liquid waste will be evaporated from the pit and the pit backfilled and returned to natural grade. No liquid hydrocarbons will be discharged to the reserve pit or location.
- c. In the event fluids are produced, any oil will be retained in tanks until sold and any water produced will be retained until its quality can be determined. The quality and quantity of the water will determine the method of disposal.
- d. Trash will be contained in a portable metal container and will be hauled from location periodically and disposed of at an approved disposal site. Chemical toilets will be placed on location and sewage will be disposed of at an appropriate disposal site.

8. Ancillary Facilities

- a. We anticipate no need for ancillary facilities with the exception of trailers, Portable toilets, and Garbage containers to be located on the drill site.

9. Well-site Layout

- a. Available topsoil has been removed from the location and stockpiled. Location of the rig, reserve and blooie pits, and drilling support equipment will be located as shown on Exhibit "C".
- b. A blooie pit will be located at a minimum of 100' from the drill hole. A line will be placed on the surface from the center hole to the blooie pit. The blooie pit will not be lined, but will be fenced on four sides to protect livestock/wildlife.
- c. Access to the well pad will be as shown on Drawing A-2 and L-1.
- d. Natural runoff will be diverted around the well pad.

10. Plans for Restoration of Surface

- a. All surface areas not required for producing operations will be graded to as near original condition as possible and contoured to maintain possible erosion to a minimum.
- b. Available topsoil will be stockpiled and will be evenly distributed over the disturbed areas and the area will be reseeded as prescribed by the landowner.
- c. Pits and any other area that would present a hazard to wildlife or livestock will be fenced off when the rig is released and removed.
- d. Any oil accumulation on the pit will be removed or overhead flagged as dictated by then existing conditions.
- e. Rehabilitation will commence following completion of the well. Rat and mouse holes will be filled immediately upon release of the drilling rig from the location. If the well-site is to be abandoned, all disturbed areas will be recontoured to the natural contour as is possible.

11. Surface Ownership

- a. The well-site and access road will be constructed on lands owned by the School and Institutional Trust Lands Administration, 675 East 500 South, Salt Lake City, Utah 84102-2818; 801-538-5100. The operator shall contact the landowner and the Division of Oil, Gas and Mining 48 hours prior to beginning construction activities.

12. Other Information:

- a. The primary surface use is industrial. The nearest dwelling is approximately 2 miles North. Nearest live water is in Green River, 1.2 miles West.
- b. If there is snow on the ground when construction begins, it will be removed before the soil is disturbed, and piled downhill from the topsoil stockpile location.
- c. The back-slope and fore-slope will be constructed no steeper than 3:1.
- d. All equipment and vehicles will be confined to the access road and well pad.
- e. A complete copy of the approved Application for Permit to Drill (APD) including conditions and stipulations shall be on the well-site during construction and drilling operations.

There will be no deviation from the proposed drilling and/or work over program without prior approval from the Division of Oil, Gas & Mining.

13. Lessee's or Operator's Representative and Certification

Company Representative

Terry L. Hoffman
Regulatory Manager
Delta Petroleum Corporation.
370 17th Street, Suite 4300
Denver, CO 80021
1-303-575-0323

Permitting Consultant

Larry W. Johnson
Talon Resources, Inc.
195 North 100 West
Huntington, UT. 84528
1-435-687-5310

Excavation Contractor

Nielson Construction
625 West 1300 North
Huntington, UT 84528
1-435-687-2494

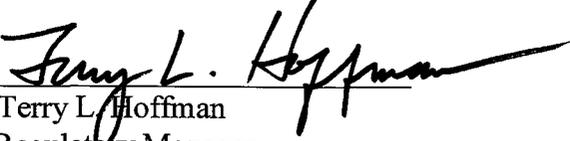
Mail Approved A.P.D. To:

Company Representative

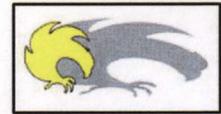
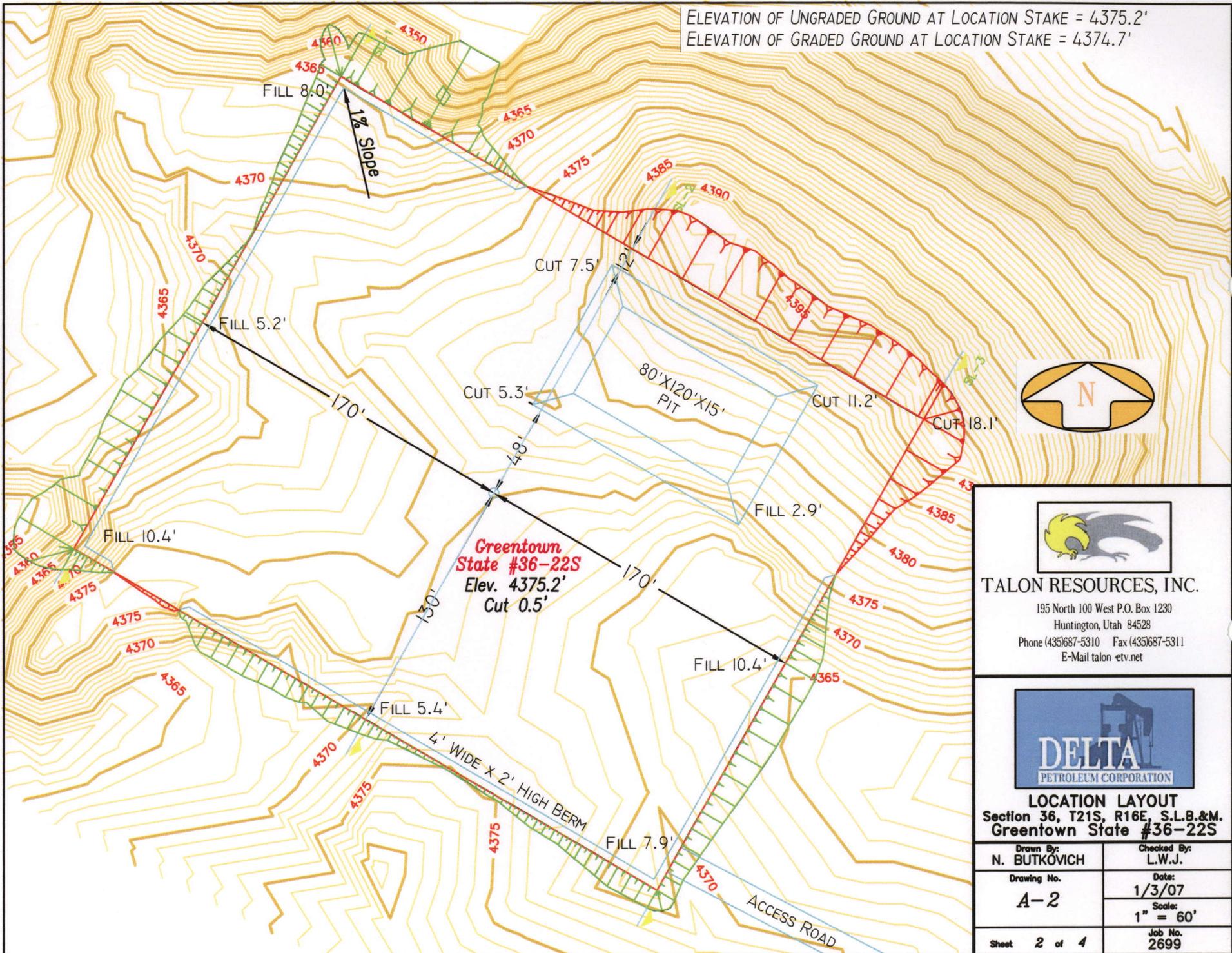
14. Certification

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

11/19/07
Date


Terry L. Hoffman
Regulatory Manager.

ELEVATION OF UNGRADED GROUND AT LOCATION STAKE = 4375.2'
 ELEVATION OF GRADED GROUND AT LOCATION STAKE = 4374.7'



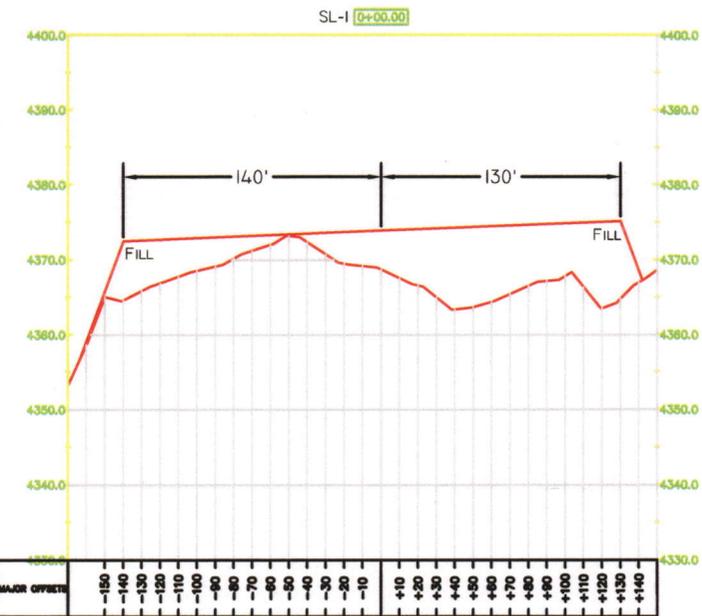
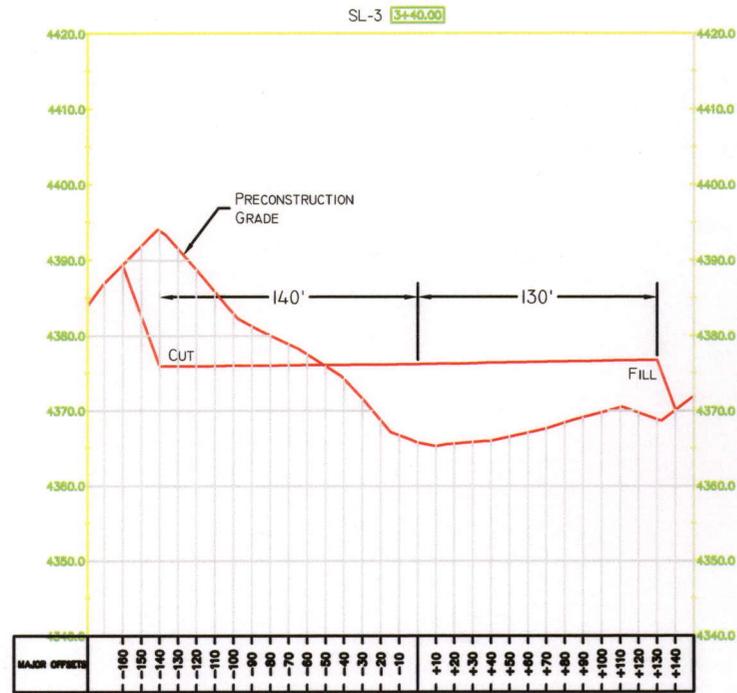
TALON RESOURCES, INC.

195 North 100 West P.O. Box 1230
 Huntington, Utah 84528
 Phone (435)687-5310 Fax (435)687-5311
 E-Mail talon@etv.net



LOCATION LAYOUT
 Section 36, T21S, R16E, S.L.B.&M.
 Greentown State #36-22S

Drawn By: N. BUTKOVICH	Checked By: L.W.J.
Drawing No. A-2	Date: 1/3/07
	Scale: 1" = 60'
Sheet 2 of 4	Job No. 2699

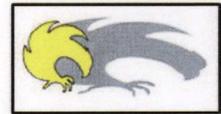


SLOPE = 1 1/2 : 1
(EXCEPT PIT)
PIT SLOPE = 1 ; 1

1" = 10'
X-Section
Scale
1" = 40'

APPROXIMATE YARDAGES

(6") TOPSOIL STRIPPING = 1,700 CU. YDS.
TOTAL CUT (INCLUDING PIT) = 10,525 CU. YDS.
TOTAL FILL = 9,505 CU. YDS.



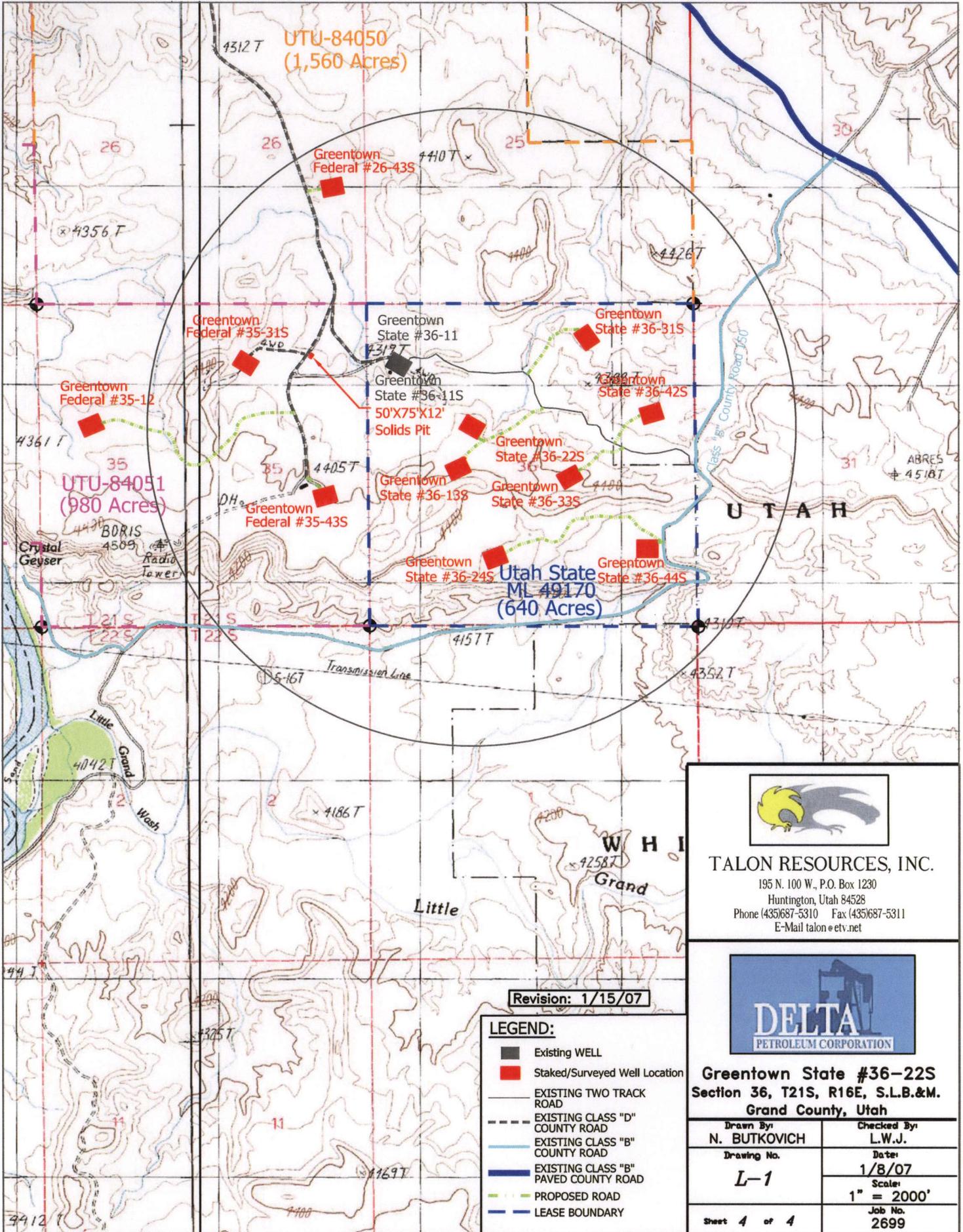
TALON RESOURCES, INC.

195 North 100 West P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talon@etv.net



TYPICAL CROSS SECTION
Section 36, T21S, R16E, S.L.B.&M.
Greentown State #36-22S

Drawn By: N. BUTKOVICH	Checked By: L.W.J.
Drawing No. C-1	Date: 1/3/07
	Scale: 1" = 100'
Sheet 3 of 4	Job No. 2699



Revision: 1/15/07

- LEGEND:**
- Existing WELL
 - Staked/Surveyed Well Location
 - EXISTING TWO TRACK ROAD
 - - - EXISTING CLASS "D" COUNTY ROAD
 - EXISTING CLASS "B" COUNTY ROAD
 - EXISTING CLASS "B" PAVED COUNTY ROAD
 - PROPOSED ROAD
 - LEASE BOUNDARY

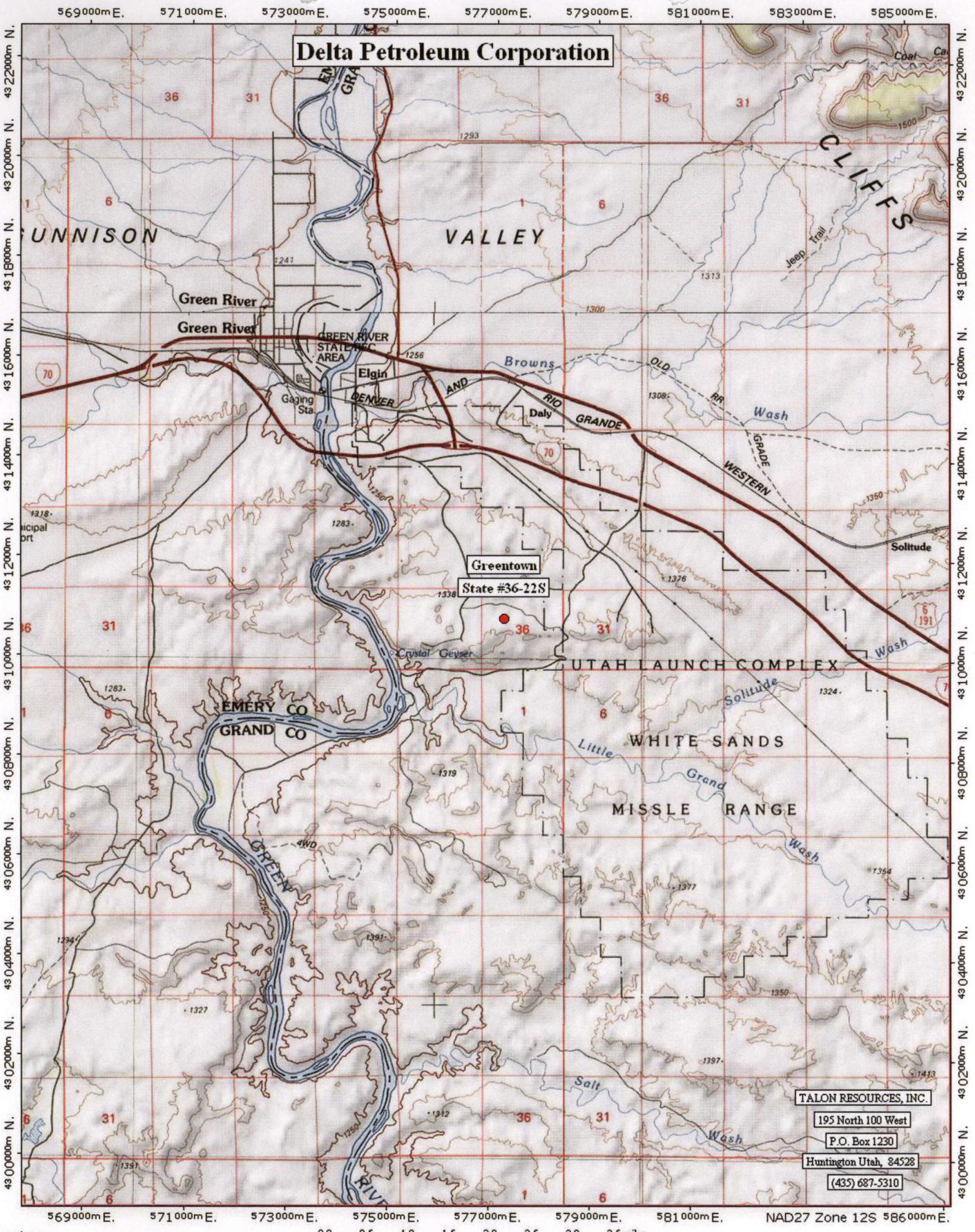


TALON RESOURCES, INC.
 195 N. 100 W., P.O. Box 1230
 Huntington, Utah 84528
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 E-Mail talon@etv.net



Greentown State #36-22S
Section 36, T21S, R16E, S.L.B.&M.
Grand County, Utah

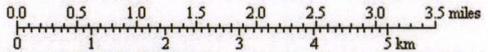
Drawn By: N. BUTKOVICH	Checked By: L.W.J.
Drawing No. L-1	Date: 1/8/07
	Scale: 1" = 2000'
Sheet 4 of 4	Job No. 2699



Delta Petroleum Corporation

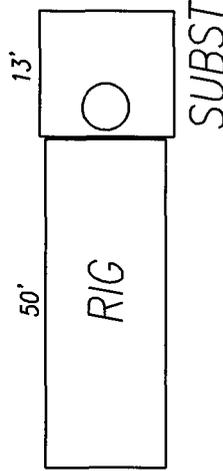
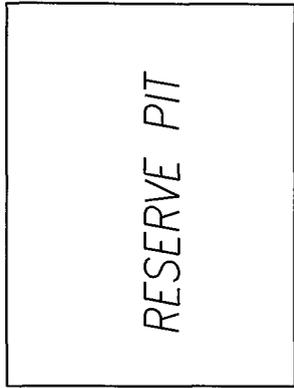
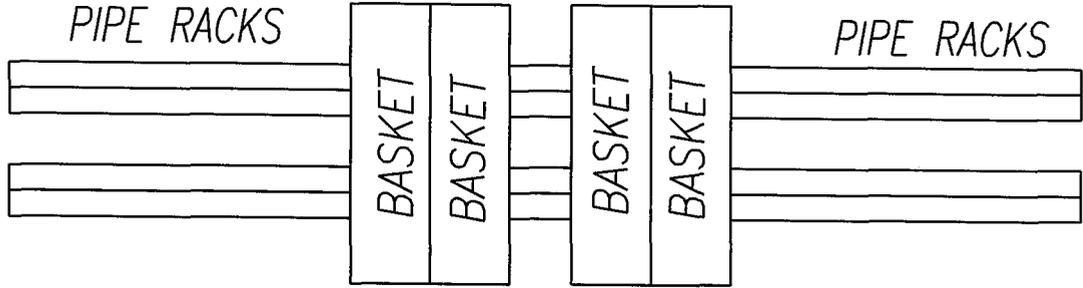
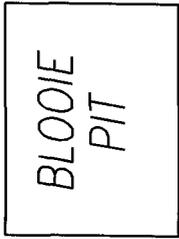
Greentown
State #36-22S

TALON RESOURCES, INC.
195 North 100 West
P.O. Box 1230
Huntington Utah, 84528
(435) 687-5310

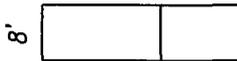
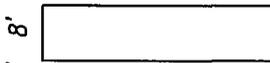


Map created with TOPOI® ©2003 National Geographic (www.nationalgeographic.com/topo)

Rig and Equipment Layout



LIGHT PLANT



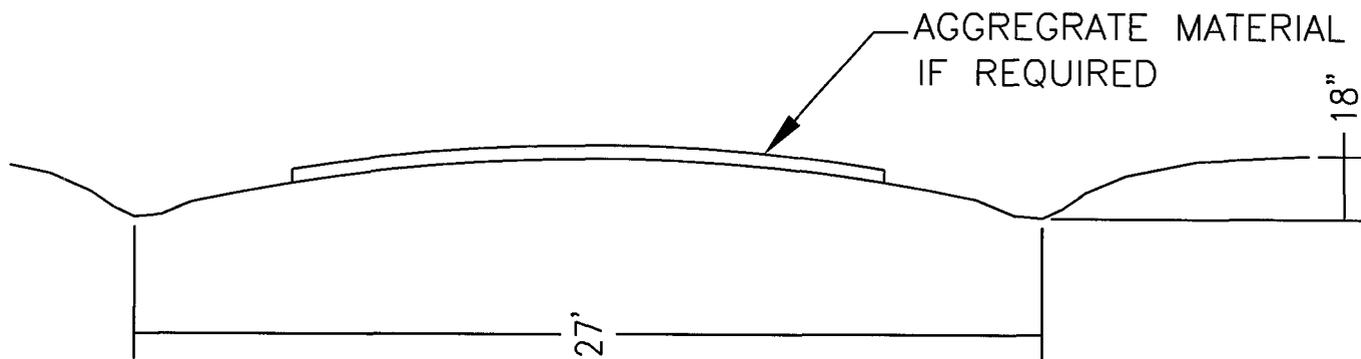
DIESEL FUEL 26' PROPANE



APPROXIMATE LAYOUT OF RIG & EQUIPMENT
(Not to Scale)



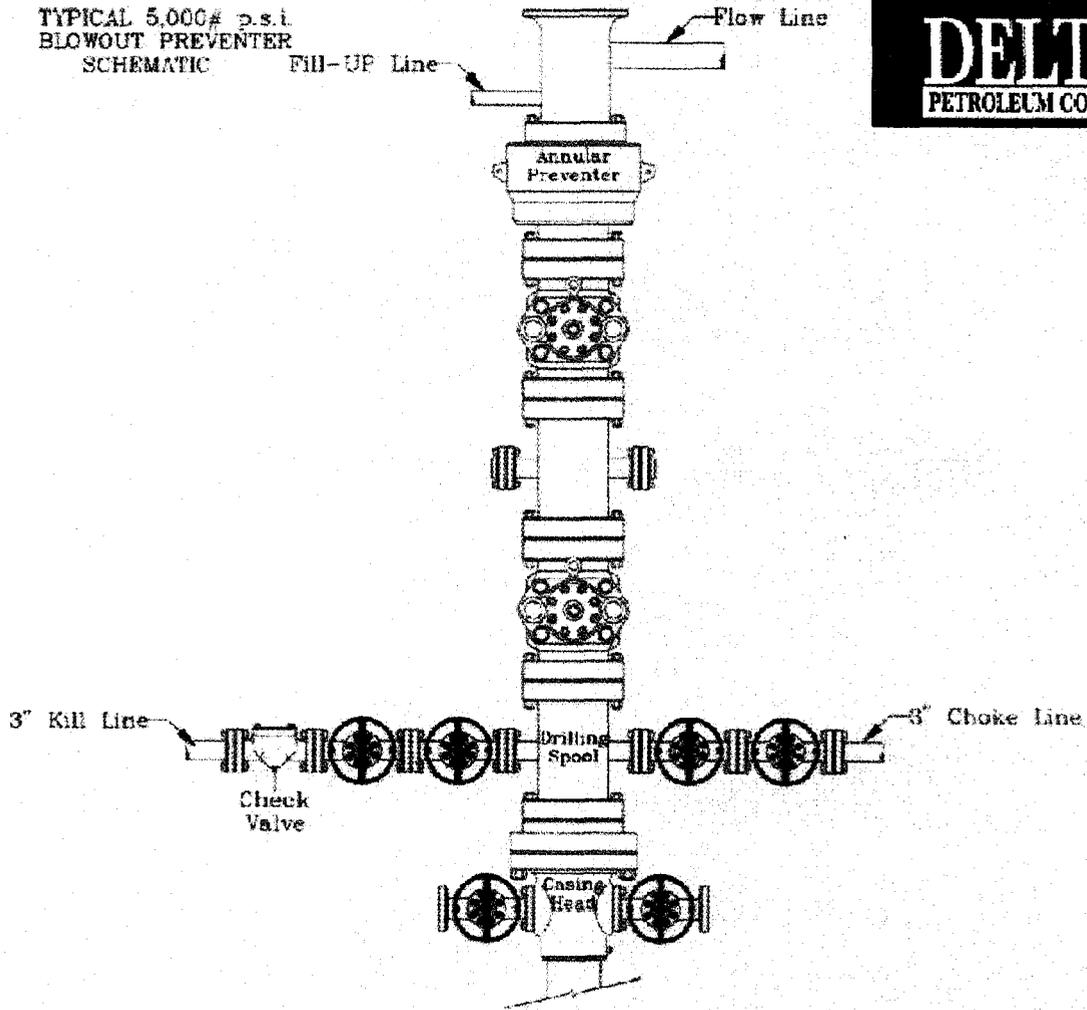
Typical Road Cross-Section



5,000 psi BOP Equipment and Manifold



TYPICAL 5,000# p.s.i.
BLOWOUT PREVENTER
SCHEMATIC



TYPICAL 5,000# p.s.i.
CHOKE MANIFOLD
SCHEMATIC

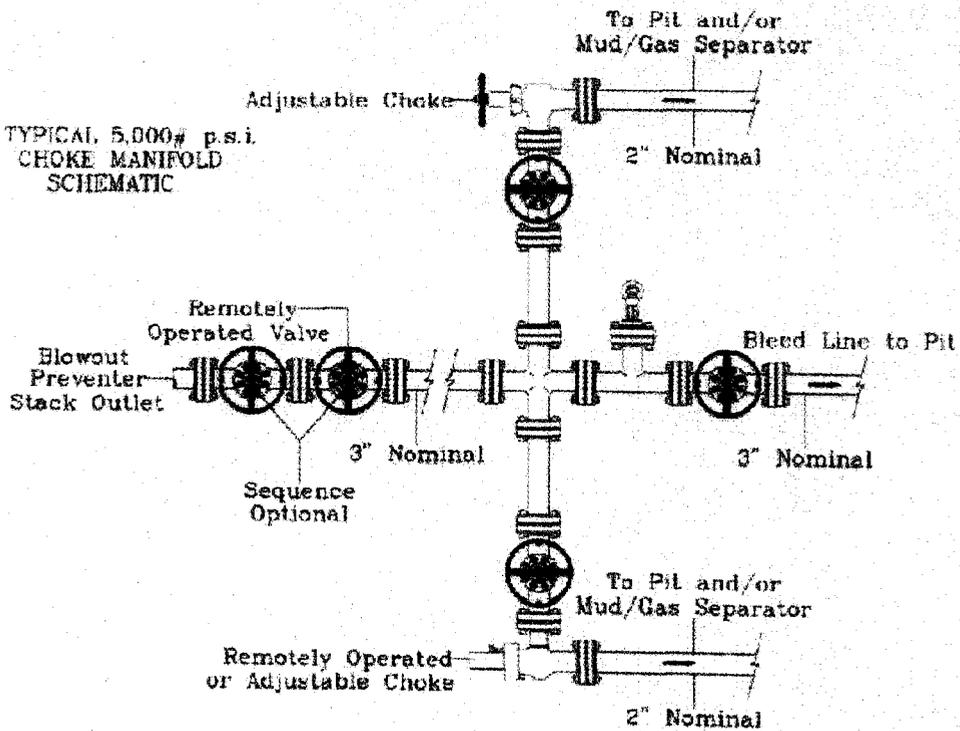


EXHIBIT "G"

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 01/22/2007

API NO. ASSIGNED: 43-019-31523

WELL NAME: GREENTOWN ST 36-22S
 OPERATOR: DELTA PETROLEUM CORP (N2925)
 CONTACT: TERRY HOFFMAN

PHONE NUMBER: 303-575-0323

PROPOSED LOCATION:
 SENW 36 210S 160E
 SURFACE: 2047 FNL 1600 FWL
 BOTTOM: 2047 FNL 1600 FWL
 COUNTY: GRAND
 LATITUDE: 38.94452 LONGITUDE: -110.1089
 UTM SURF EASTINGS: 577223 NORTHINGS: 4310789
 FIELD NAME: WILDCAT (1)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	3/29/07
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: ML-49170
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: WHRM
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Fed[] Ind[] Sta[] Fee[]
 (No. BID 3309)
 Potash (Y/N)
 Oil Shale 190-5 (B) or 190-3 or 190-13
 Water Permit
 (No. MUNICIPAL)
 RDCC Review (Y/N)
 (Date: 02/08/2007)
 Fee Surf Agreement (Y/N)
 Intent to Commingle (Y/N)

LOCATION AND SITING:

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

COMMENTS: Need Permit (02-0707)

STIPULATIONS: 1- Spacing Sh?
2- STATEMENT OF BASIS

S R16E

T21S R17E

26

25

30

35

36

31

MARLAND ◊
OIL COMPANY 1

GREENTOWN ST 36-11S
GREENTOWN ST 36-11

GREENTOWN
ST 36-31S

GREENTOWN
ST 36-22S

GREENTOWN
ST 36-42S

GREENTOWN
ST 36-13S

GREENTOWN
ST 36-33S

GREENTOWN
ST 36-24S

GREENTOWN
ST 36-44S

OPERATOR: DELTA PETRO CORP (N2925)

SEC: 36 T.21S R.16E

FIELD: WILDCAT (001)

COUNTY: GRAND

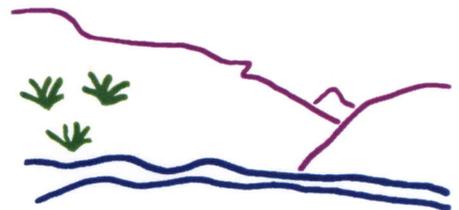
SPACING: R649-3-3 / EXCEPTION LOCATION

- Field Status**
- ABANDONED
 - ACTIVE
 - COMBINED
 - INACTIVE
 - PROPOSED
 - STORAGE
 - TERMINATED

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

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON
DATE: 24-JANUARY-2007

Application for Permit to Drill

Statement of Basis

2/26/2007

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
216	43-019-31523-00-00		OW	S	No
Operator	DELTA PETROLEUM CORP	Surface Owner-APD			
Well Name	GREENTOWN ST 36-22S	Unit			
Field	UNDESIGNATED	Type of Work			
Location	SENW 36 21S 16E S 0 FL 0 FL	GPS Coord (UTM) 577223E 4310789N			

Geologic Statement of Basis

Significant volumes of high quality ground water are unlikely to be encountered in the bedrock at this location. A poorly permeable soil is likely to be developed on the Jurassic-age Brushy Basin Member of the Morrison Formation. A small but locally important quality ground water resource may be encountered in several permeable Mesozoic aquifers in this area. The proposed casing and cementing program should adequately isolate any zones of fresh water that may be penetrated. No underground water rights have been filed on any area within a mile of the proposed well site.

Chris Kierst
APD Evaluator

2/23/2007
Date / Time

Surface Statement of Basis

On-site conducted February 7, 2007. In attendance: Bart Kettle-Division of Oil Gas and Mining (DOGM), Leroy Mead-Division of Wildlife Resources (DWR), Ed Bonner-School and Institutional Trust Lands Administration (SITLA), Don Kincheloe-Delta Petroleum Corporation, Terry Hoffman-Delta Petroleum Corporation, Larry Johnson-Talon Resources, Inc

DWR recommends Delta participate in May raptor survey flights. DWR recommending season closures for Desert Bighorn lambing April 15-May 15 and rut Oct 15-Dec15. DOGM recommends drainage be diverted around well pad. Reserve pit shall be lined and kept in proper functioning condition. DOGM requires that all activities associated with constructing, drilling, completion and production of well be restricted to permitted access route and well pad. Delta Petroleum Corporation will be held accountable for the activities of contractors and company representatives

Bart Kettle
Onsite Evaluator

2/7/2007
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	Access road should be a raised bed road.
Surface	All materials, equipment shall be stored within permitted area. No activity shall occur outside of permitted well pad and access route.
Surface	Operator is responsible for acquiring appropriate rights-of-ways or other permits from other surface managing agencies or landowners, for roads, staging areas, gravel pits utilized for constructing/drilling/producing the state wells.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator DELTA PETROLEUM CORP
Well Name GREENTOWN ST 36-22S
API Number 43-019-31523-0 APD No 216 Field/Unit UNDESIGNATED
Location: 1/4,1/4 SENW Sec 36 Tw 21S Rng 16E 0 FL 0 FL
GPS Coord (UTM) 577237 4310789 Surface Owner

Participants

Bart Kettle (DOG M), Ed Bonner (SITLA), LeRoy Mead (DWR), Terry Hoffman (Delta), Don Kincheloe (Delta), Larry Johson (Talon)

Regional/Local Setting & Topography

Proposed project site is located roughly four miles south of the town of Green River, in Grand County Utah. Annual precipitation is 6-8", and vegetation would be described as salt scrub black brush mixed rangelands. Topography immediately adjacent to the well is a series of small sandstone capped bluffs and alternating clay valleys cut by numerous small gullies. Drainage is to the west entering the Green River within two miles. No perennial water was observed in close proximity to the proposed project site. Drainages in the immediate area are ephemeral in nature, being dry throughout a majority of the year.

Surface Use Plan

Current Surface Use

Grazing
Recreational
Wildlife Habitat

New Road

Miles	Well Pad	Src Const Material	Surface Formation
0.37	Width 270	Length 340 Onsite	MORN

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetland N

Flora / Fauna

Grass: Hilaria jansii, cheatgrass and Indian ricegrass, needle and thread grass.
Forbs: Halogeton, princes plume, Yellow peppergrass, desert trumpet.
Shrubs: Shadscale, mat salt brush, Gardner salt brush, Mormon tea, broom snakeweed, black brush, buckwheat, sandwart
Other: Prickly pear cactus.

Soil Type and Characteristics

Mixture of heavy red clay and gray sandy clay, sand stone fragments and out crops.

Erosion Issues Y

Highly erosive soils

Sedimentation Issues N

Site Stability Issues N

Drainage Diverson Required N

Berm Required? N

Erosion Sedimentation Control Required? Y

Proper reclamation following drilling

Paleo Survey Run? N

Paleo Potential Observed?

Cultural Survey Run? Y

Cultural Resources? N

Reserve Pit

Site-Specific Factors

Site Ranking

Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	Low permeability	0
Fluid Type	TDS>10000	15
Drill Cuttings	Salt or Detrimental	10
Annual Precipitation (inches)	<10	0
Affected Populations	<10	0
Presence Nearby Utility Conduits	Not Present	0

Final Score 25 1 **Sensitivity Level**

Characteristics / Requirements

Liner in reserve pit require due to drilling with a salt based mud system, drill cutting being salty, and poor track record of operator.

Closed Loop Mud Required? N

Liner Required? Y

Liner Thickness 12

Pit Underlayment Required? N

Other Observations / Comments

SITLA provided no comments. DWR recommends that Delta participate in May flights for raptor surveys. Project sire is considered viable ferruginous hawk nesting habitat. Project area has been inhabited by a band of 12-15 Desert bighorns dispersing from the Potash herd. Nearly half of the habitat area for this band of sheep would be affected by the drilling of seven new Greentown wells. DWR concerned impacts on this scale may cause sheep to leave existing habitat. DWR recommends restrictions during lambing season from April 15-May 15 and the rut Oct 15-Dec 15. DOGM recommends that berms be used to divert water around the southern portions of the well. Liner on the reserve pit will be required, and should be kept in functioning condition. No activity should occur outside of the permitted access road and well pad. This includes the storage of materials, equipment and vehicles. Contractors should be informed prior to dispatching to job site they are to remain within these permitted areas.

Bart Kettle

2/7/2007

Evaluator

Date / Time



Search Utah.gov **GO**

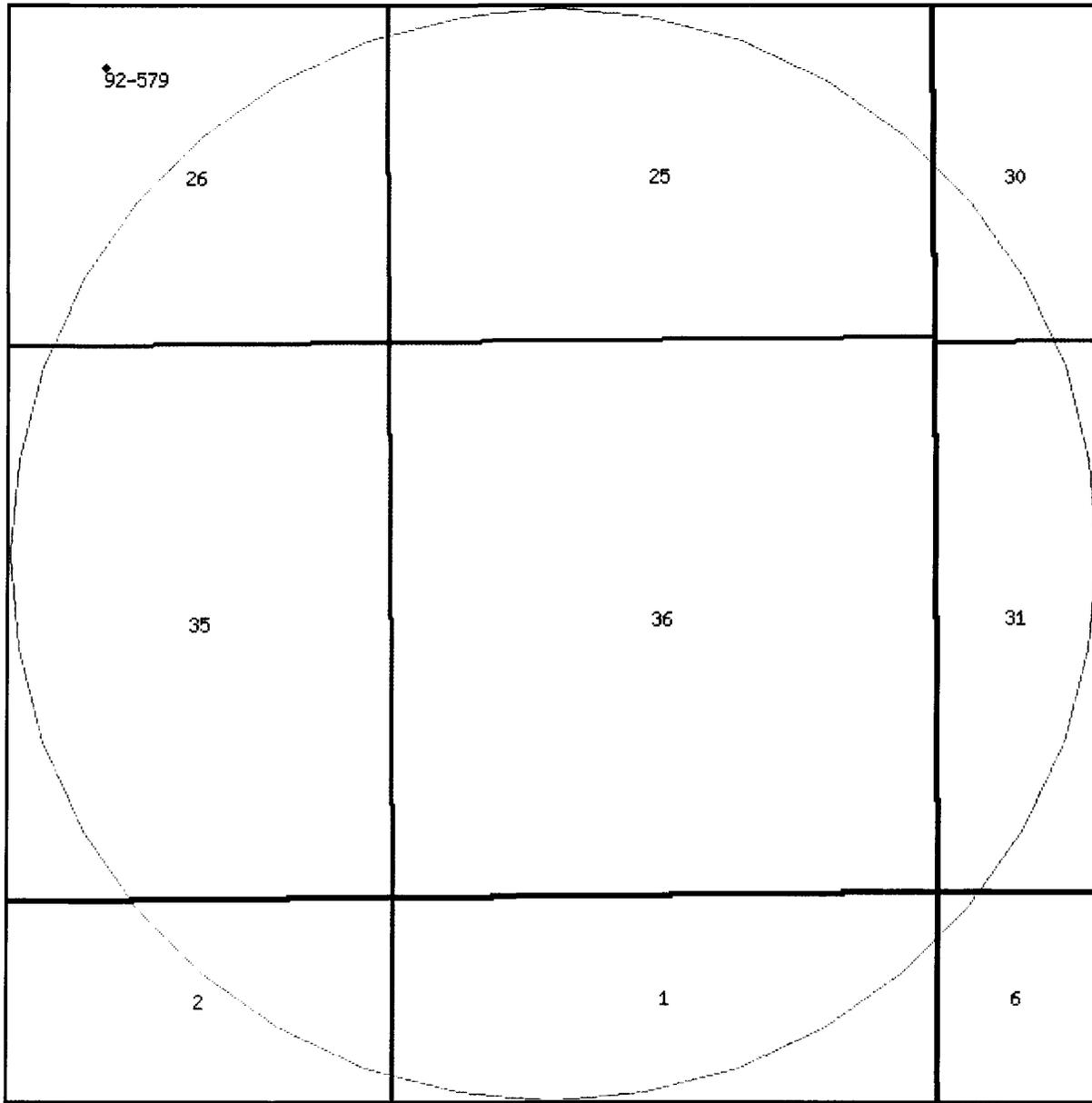


Utah Division of Water Rights

WRPLAT Program Output Listing

Version: 2006.11.17.00 Rundate: 02/23/2007 04:28 PM

Radius search of 5280 feet from a point S2047 E1600 from the NW corner, section 36, Township 21S, Range 16E, SL b&m Criteria:wrtypes=W,C,E podtypes=S,U,D,Sp,P status=U,A,P usetypes=all



0 700 1400 2100 2800 ft

Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owner Name
<u>92-579</u>	Point to Point N660 W660 SE 26 21S 16E SL		P	18750000	OS	0.000	0.000	PRICE FIELD OFFICE USA BUREAU OF LAND MANAGEMENT 125 SOUTH 600 WEST

[Natural Resources](#) | [Contact](#) | [Disclaimer](#) | [Privacy Policy](#) | [Accessibility Policy](#)

STATE ACTIONS
Resource Development Coordinating Committee
Public Lands Policy Coordination Office
5110 State Office Building
SLC, UT 84114
Phone No. 537-9230

1. State Agency Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, UT 84114-5801	2. Approximate date project will start: Upon Approval or February 7, 2007
3. Title of proposed action: Application for Permit to Drill	
4. Description of Project: Delta Petroleum Corporation proposes to drill the Greentown State 36-22S well (wildcat) on a State lease ML-49170, Grand County, Utah. This action is being presented to the RDCC for consideration of resource issues affecting state interests. The Division of Oil, Gas and Mining is the primary administrative agency in this action and must issue approval before operations commence.	
5. Location and detailed map of land affected (site location map required, electronic GIS map preferred) (include UTM coordinates where possible) (indicate county) 2047' FNL 1600' FWL, SE/4 NW/4, Section 36, Township 21 South, Range 16 East, Grand County, Utah	
6. Possible significant impacts likely to occur: Surface impacts include up to five acres of surface disturbance during the drilling and completion phase (estimated for five weeks duration). If oil and gas in commercial quantities is discovered, the location will be reclaimed back to a net disturbance of between one and two acres – not including road, pipeline, or utility infrastructure. If no oil or gas is discovered, the location will be completely reclaimed.	
7. Identify local government affected a. Has the government been contacted? No. b. When? c. What was the response? d. If no response, how is the local government(s) likely to be impacted?	
8. For acquisitions of land or interests in land by DWR or State Parks please identify state representative and state senator for the project area. Name and phone number of state representative, state senator near project site, if applicable: a. Has the representative and senator been contacted? N/A	
9. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1) Southeastern Utah Association of Governments	
10. For further information, contact: Diana Mason Phone: (801) 538-5312	11. Signature and title of authorized officer  Gil Hunt, Associate Director Date: January 24, 2007

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

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL			5. MINERAL LEASE NO: ML-49170	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>			7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input checked="" type="checkbox"/> GAS <input type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			8. UNIT or CA AGREEMENT NAME: NA	
2. NAME OF OPERATOR: Delta Petroleum Corporation			9. WELL NAME and NUMBER: Greentown State #36-22S	
3. ADDRESS OF OPERATOR: 370 17th St, Suite 4300 CITY Denver STATE CO ZIP 80021			PHONE NUMBER: (303) 575-0323	10. FIELD AND POOL, OR WLD CAT: Wildcat
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 2047' FNL & 1600' FWL AT PROPOSED PRODUCING ZONE: Same as surface			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SEW 36 21S 16E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 5 miles South and East of Green River, Utah			12. COUNTY: Grand	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1600'	16. NUMBER OF ACRES IN LEASE: 640	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40		
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) NA	19. PROPOSED DEPTH: 3,850	20. BOND DESCRIPTION: CPCS-215808		
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): GR - 4375	22. APPROXIMATE DATE WORK WILL START: 2/15/2007	23. ESTIMATED DURATION: 35 days		

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
11"	8-5/8" J-55 STC 24#	1,800	Lead - 85/15/8	225 sxs	2.14	12.5#
			Tail - Type III	275 sxs	1.41	14.6#
7-7/8"	5-1/2" J-55 LTC 17#	3,850	Lead - 85/15/8	345 sxs	2.14	12.5#
			Tail - Type III	200 sxs	1.41	14.6#

25. **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"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Terry L. Hoffman TITLE Regulatory Manager
SIGNATURE *Terry L. Hoffman* DATE 1/17/2007

(This space for State use only)

API NUMBER ASSIGNED: 43-019-31523

APPROVAL:

RECEIVED

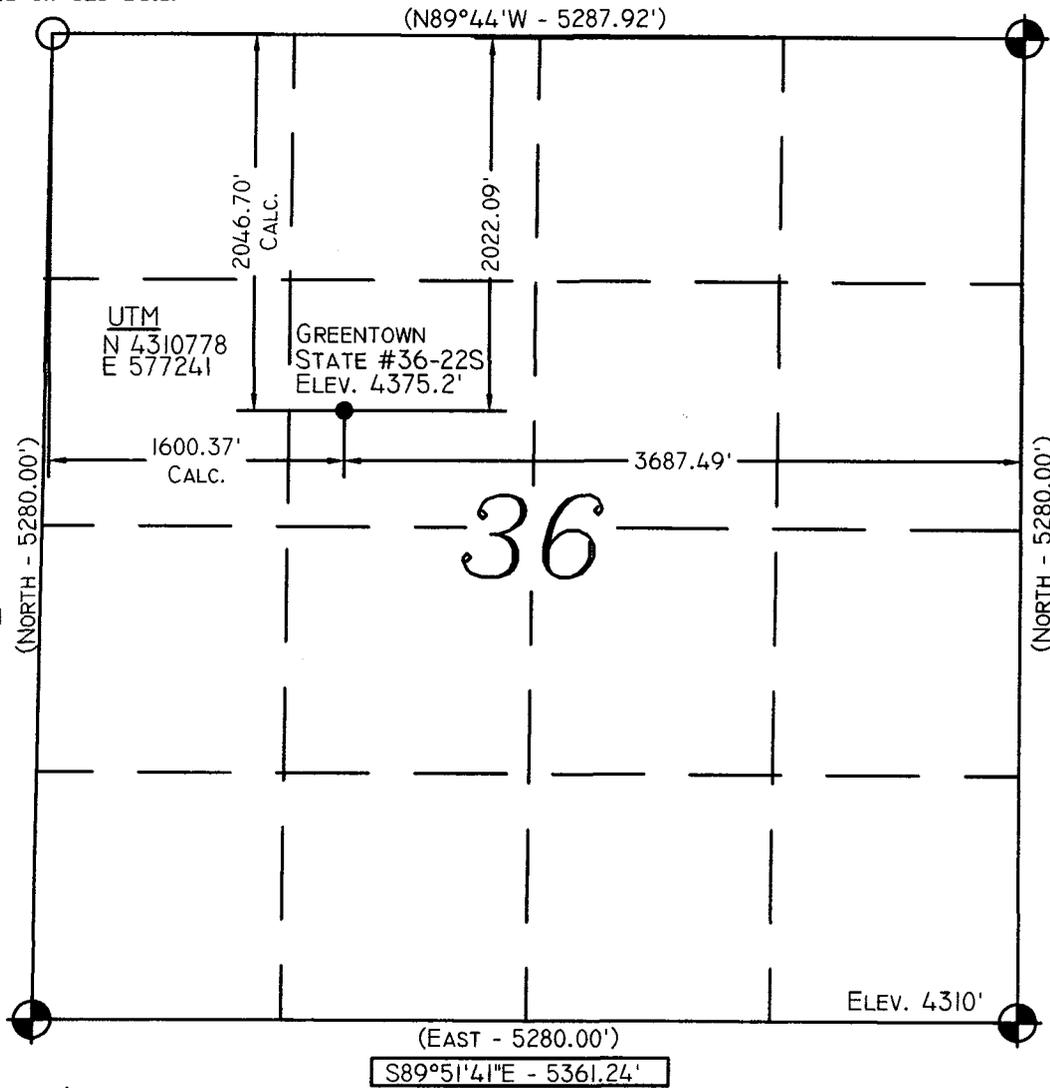
JAN 22 2007

DIV. OF OIL, GAS & MINING

Range 16 East

Calculated Distances
based on GLO Data.

Township 21 South



Location:
The well location was determined using a Trimble 5700 GPS survey grade unit.

Basis of Bearing:
The Basis of Bearing is GPS Measured.

GLO Bearing:
The Bearings indicated are per the recorded plat obtained from the U.S. Land Office.

Basis of Elevation:
Basis of Elevation of 4310' being at the Southeast Section Corner of Section 36, Township 21 South, Range 16 East, Salt Lake Base and Meridian, as shown on the Green River NE Quadrangle 7.5 minute series map.

Description of Location:
Proposed Drill Hole located in the SE/4 NW/4 of Section 36, T21S, R16E, S.L.B.&M., being 2022.09' South and 3687.49' West from the Northeast Section Corner of Section 36, T21S, R16E, Salt Lake Base & Meridian.

Surveyor's Certificate:
I, Albert J. Spensko, a Registered Professional Land Surveyor, holding Certificate 146652 State of Utah, do hereby certify that the information on this drawing is a true and accurate survey based on data of record and was conducted under my personal direction and supervision as shown hereon.

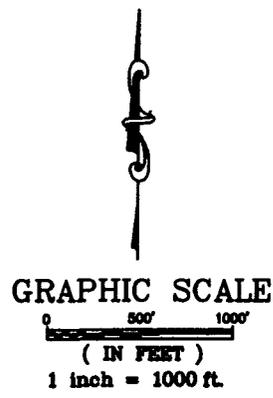


Legend

- Drill Hole Location
- ⊙ Stone Monument (Found)
- Stone Monument (Searched for, but not found)
- △ Calculated Corner
- () GLO
- GPS Measured

NOTES:
1. UTM and Latitude / Longitude Coordinates are derived using a GPS Pathfinder and are shown in NAD 27 Datum.

LAT / LONG
38°56'39.891"N
110°06'31.371"W

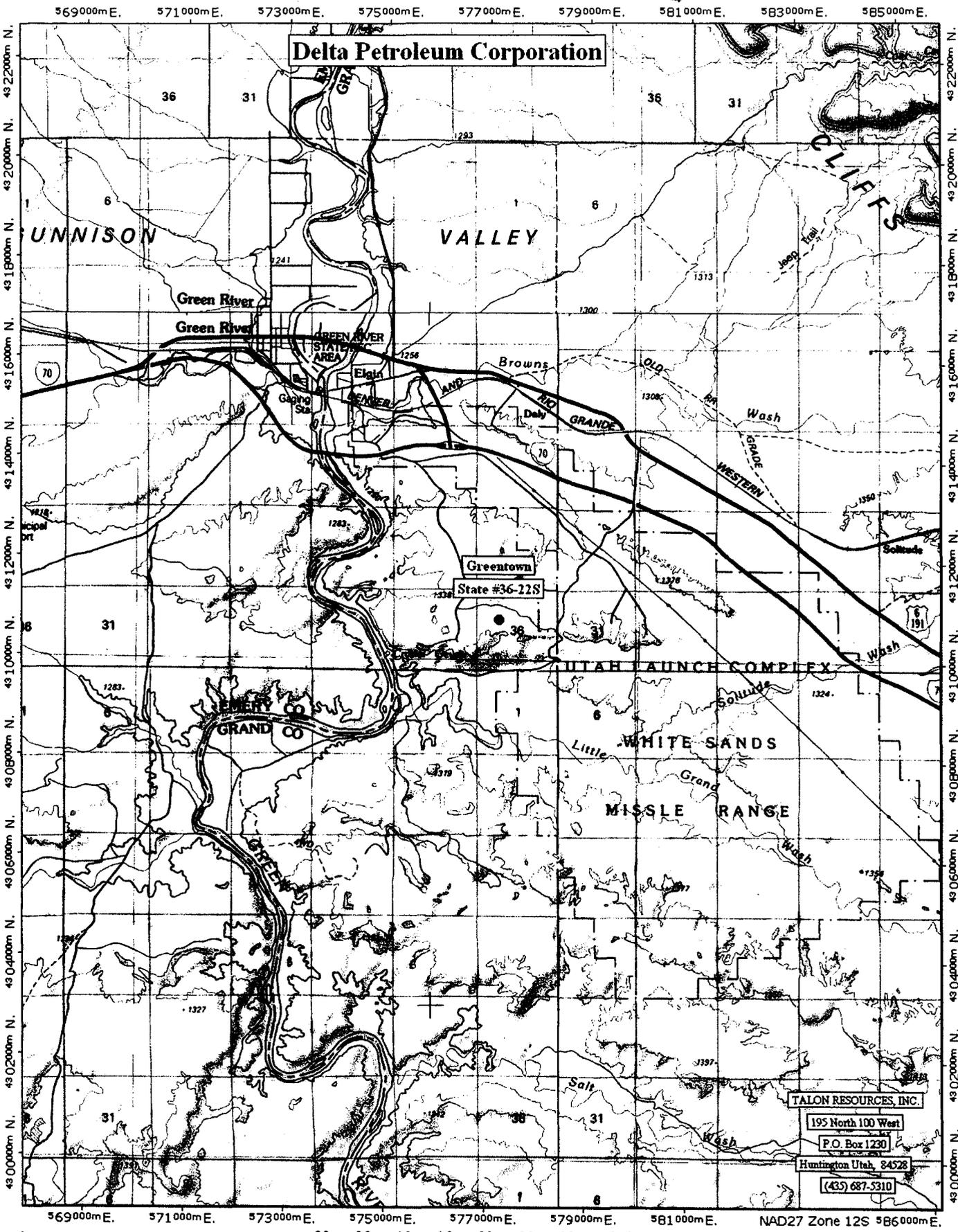


TALON RESOURCES, INC.
195 North 100 West P.O. Box 1230
Huntington, Utah 84528
Phone (435)687-5310 Fax (435)687-5311
E-Mail talon @ etv.net

Greentown State #36-22S
Section 36, T21S, R16E, S.L.B.&M.
Grand County, Utah

Drawn By: N. BUTKOVICH	Checked By: L.W.J./A.J.S.
Drawing No. A-1	Date: 1/5/07
Scale: 1" = 1000'	
Job No. 2699	

Sheet 1 of 4



Map created with TOPOI © 2003 National Geographic (www.nationalgeographic.com/topo)

MEMORANDUM

DATE: January 31, 2007
TO: Resource Development Coordinating Committee
FROM: Utah Geological Survey, Ground Water and Paleontology Program
SUBJECT: UGS comments on RDCC items 7511,7512, 7516, 7517, 7528, 7529, 7530, 7531, 7532, 7533, and 7534.

7511 Division of Oil, Gas and Mining Short Turn Around Drilling Permit
Sec. 11, T5S, R6W, Duchesne County
Application for Permit to Drill - proposal to drill a wildcat well the LC Tribal 2-11D-56 on an Indian lease 14/20-H62-5500

Although there are no paleontological localities recorded in our files for this project area, the Eocene Uinta Formation that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7512 Division of Oil, Gas and Mining Short Turn Around Drilling Permit
Sec. 11, T5S, R6W, Duchesne County
Application for Permit to Drill - proposal to drill a wildcat well the LC Tribal 3-11D-56 on an Indian lease 14/20-H62-5500

Although there are no paleontological localities recorded in our files for this project area, the Eocene Uinta Formation that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7516 Division of Oil, Gas and Mining Short Turn Around Drilling Permit
Sec. 16, T10S, R16E, Duchesne County
Application for Permit to Drill - proposal to drill a wildcat well the Big Wash 61-16GR on a State lease ML47000

Although there are no paleontological localities recorded in our files for this project area, the Eocene Uinta Formation that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends

that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7517 Division of Oil, Gas and Mining Short Turn Around Drilling Permit
Sec. 2, T10S, R16E, Duchesne County
Application for Permit to Drill - proposal to drill a wildcat well the Big Wash 30-02-GR on a State lease ML47052

Although there are no paleontological localities recorded in our files for this project area, the Eocene Uinta Formation that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7528 Division of Oil, Gas and Mining Short Turn Around Drilling Permit
Sec. 36, T21S, R16E, Grand County
Application for Permit to Drill - proposal to drill a wildcat well the Greentown State 36-33S on a State lease ML-49170

Although there are no paleontological localities recorded in our files for this project area, the Jurassic Morrison Formation (and possibly Cedar Mountain Formation) that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7529 Division of Oil, Gas and Mining Short Turn Around Drilling Permit
Sec. 36, T21S, R16E, Grand County
Application for Permit to Drill - proposal to drill a wildcat well the Greentown State 36-24S on a State lease ML-49170

Although there are no paleontological localities recorded in our files for this project area, the Jurassic Morrison Formation (and possibly Cedar Mountain Formation) that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7530 Division of Oil, Gas and Mining Short Turn Around Drilling Permit
Sec. 36, T21S, R16E, Grand County
Application for Permit to Drill - proposal to drill a wildcat well the Greentown State 36-31S on a State lease ML-49170

Although there are no paleontological localities recorded in our files for this project area,

the Jurassic Morrison Formation (and possibly Cedar Mountain Formation) that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7531 Division of Oil, Gas and Mining Short Turn Around Drilling Permit
Sec. 36, T21S, R16E, Grand County
Application for Permit to Drill - proposal to drill a wildcat well the Greentown State 36-42S on a State lease ML-49170

Although there are no paleontological localities recorded in our files for this project area, the Jurassic Morrison Formation (and possibly Cedar Mountain Formation) that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7532 Division of Oil, Gas and Mining Short Turn Around Drilling Permit
Sec. 36, T21S, R16E, Grand County
Application for Permit to Drill - proposal to drill a wildcat well the Greentown State 36-22S on a State lease ML-49170

Although there are no paleontological localities recorded in our files for this project area, the Jurassic Morrison Formation (and possibly Cedar Mountain Formation) that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7533 Division of Oil, Gas and Mining Short Turn Around Drilling Permit
Sec. 36, T21S, R16E, Grand County
Application for Permit to Drill - proposal to drill a wildcat well the Greentown State 36-44S on a State lease ML-49170

Although there are no paleontological localities recorded in our files for this project area, the Jurassic Morrison Formation (and possibly Cedar Mountain Formation) that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

7534 Division of Oil, Gas and Mining Short Turn Around Drilling Permit
Sec. 36, T21S, R16E, Grand County
Application for Permit to Drill - proposal to drill a wildcat well the Greentown

State 36-13S on a State lease ML-49170

Although there are no paleontological localities recorded in our files for this project area, the Jurassic Morrison Formation (and possibly Cedar Mountain Formation) that is exposed here has the potential for yielding significant vertebrate fossil localities. The office of the State Paleontologist therefore recommends that a paleontological survey be conducted for this project and its easements by a paleontologist with a valid permit.

From: Robert Clark
To: Mason, Diana
Date: 1/29/2007 12:20 PM
Subject: RDCC short turn-around responses

CC: Anderson, Tad; Heying, Cheryl; Mcneill, Dave
The following comments are in response to RDCC short turn around items **RDCC #7511 through 7517 and RDCC #7527 through 7534**.

FYI: All comments are similar with the exception of the requesting entity, the well designation, and the county.

RDCC #7511, Comments begin: The Berry Petroleum Company proposal to drill the LC Tribal 2-11D-56 wildcat well, in Duchesne County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7512, comments begin: The Berry Petroleum Company proposal to drill the LC Tribal 2-11D-56 wildcat well, in Duchesne County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7513, comments begin: The Royalite Petroleum Corporation proposal to drill the Royalite State 16-1 wildcat well, in Piute County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7514, comments begin: The Delta Petroleum Corporation proposal to drill the Salt Valley State 23-43 wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7515, comments begin: The Delta Petroleum Corporation proposal to drill the Salt Valley State 24-14 wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7516, comments begin: The EOG Resources, Inc. proposal to drill the Big Wash 61-16-GR wildcat well, in Duchesne County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7517, comments begin: The EOG Resources, Inc. proposal to drill the Big Wash 30-02-GR wildcat well, in Duchesne County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7527, comments begin: The Questar Exploration & Production Company proposal to drill the SCS 5C-32-14-19 wildcat well, in Uintah County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing

vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7528, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-33S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7529, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-24S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7530, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-31S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7531, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-42S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7532, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-22S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any

compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7533, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-44S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

RDCC #7534, comments begin: The Delta Petroleum Corporation proposal to drill the Greentown State 36-13S wildcat well, in Grand County, may require a permit, known as an Approval Order, from the Executive Secretary of the Air Quality Board. If any compressor or pump stations are constructed at the site, a permit application, known as a Notice of Intent (NOI), should be submitted to the Executive Secretary at the Utah Division of Air Quality at 150 N. 1950 West, Salt Lake City, Utah, 84116 for review according to the Utah Air Quality Rule R307-401. Permit: Notice of Intent and Approval Order. A copy of the rules is found at www.rules.utah.gov/publicat/code/r307/r307.htm .

The proposed project is also subject to Utah Air Quality Rule R307-205-5, Fugitive Dust, due to the fugitive dust that is generated during the excavating phases of the project. These rules apply to construction activities that disturb an area greater than 1/4 acre in size. A permit, known as an Approval Order, is not required from the Executive Secretary of the Air Quality Board, but steps need to be taken to minimize fugitive dust, such as watering and/or chemical stabilization, providing vegetative or synthetic cover or windbreaks. A copy of the rules may be found at www.rules.utah.gov/publicat/code/r307/r307.htm . **Comments end.**

Robert Clark
Division of Air Quality
801-536-4435

Casing Schematic

BHP $0.052(3850)9.0 = 1802 \text{ psi}$
anticipate 4800psi

Gas $.12(3850) = 462$
 $1802 - 462 = 1340 \text{ psi, MASP}$

BOPE 5M

Burst 2950
70% 2065

Max P @ Surf shoe
 $.22(2050) = 451$
 $1802 - 451 = 1351 \text{ psi}$
test to 1351psi

8-5/8"
MW 8.5
Frac 19.3

Adequate DUD
3/29/07

Surface

TOC @ 0.
TOC @ 106.

12%
18%
TOC w/ 16% w/ Morrison-Salt Wash

592' Entrada

1144' Carmel

1309' Navajo

1745' Kayenta
1782' Widgate
Surface
1800. MD

2245' Chinle
2427' Shinarump
2473' Moenkopi

3068' Sinbad Ds.
3285' White Rim

5-1/2"
MW 9.

Production
3850. MD

Well name:	2007-02 Delta Greentown ST 36-22S		
Operator:	Delta Petroleum Corporation		
String type:	Surface	Project ID:	43-019-31523
Location:	Grand County		

Design parameters:

Collapse
Mud weight: 8.500 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,338 psi
Internal gradient: 0.120 psi/ft
Calculated BHP: 1,554 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: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 1,570 ft

Environment:

H2S considered? No
Surface temperature: 65 °F
Bottom hole temperature: 90 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 250 ft

Cement top: 106 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 3,850 ft
Next mud weight: 9.000 ppg
Next setting BHP: 1,800 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 1,800 ft
Injection pressure: 1,800 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)	Internal Capacity (ft³)
1	1800	8.625	24.00	J-55	ST&C	1800	1800	7.972	643.6

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	795	1370	1.724	1554	2950	1.90	38	244	6.47 J

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

Phone: 801-538-5357
FAX: 810-359-3940

Date: February 27, 2007
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 1800 ft, a mud weight of 8.5 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.

Well name:	2007-02 Delta Greentown ST 36-22S		
Operator:	Delta Petroleum Corporation		
String type:	Production	Project ID:	43-019-31523
Location:	Grand County		

Design parameters:

Collapse

Mud weight: 9.000 ppg
 Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 953 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP: 1,800 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: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Tension is based on buoyed weight.
 Neutral point: 3,325 ft

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 119 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,500 ft

 Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	3850	5.5	17.00	J-55	LT&C	3850	3850	4.767	502.5
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	1800	4910	2.728	1800	5320	2.96	57	247	4.37 J

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

Phone: 801-538-5357
 FAX: 810-359-3940

Date: February 27, 2007
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 3850 ft, a mud weight of 9 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.

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49170
2. NAME OF OPERATOR: Delta Petroleum Corporation		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 370 17th st. Suite4300 CITY Denver STATE CO ZIP 80021		7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2047' FNL, 1600' FWL		8. WELL NAME and NUMBER: Greentown State #36-22S
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 36 21S 16E S		9. API NUMBER: 4301931523
COUNTY: Grand		10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> 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 checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input 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.

Delta is relocating the access. This is necessary to avoid eligible cultural sites.
Please replace the L-1 drawing with the revised L-1 drawing

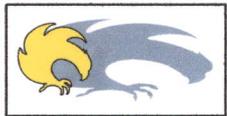
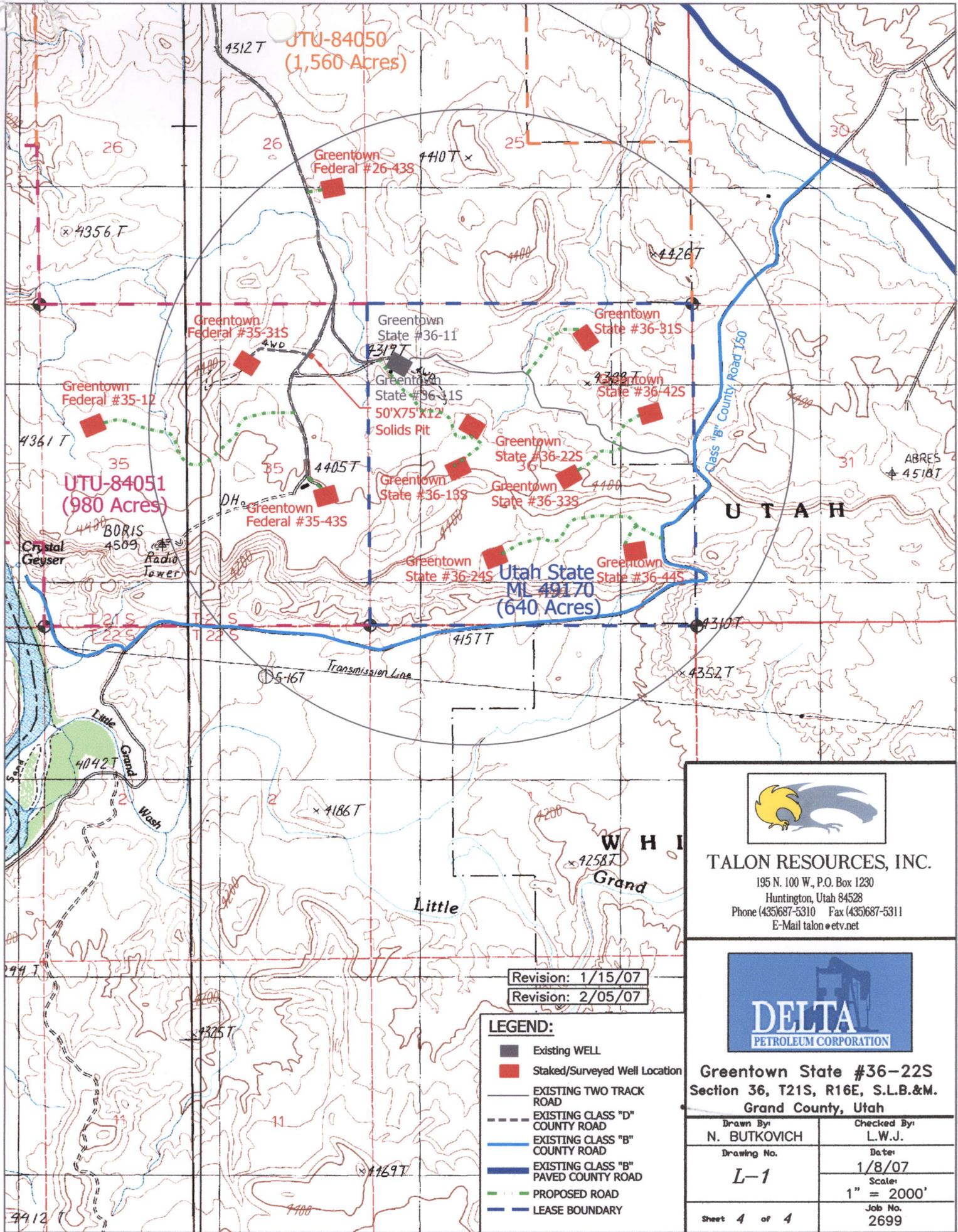
NAME (PLEASE PRINT) Terry L. Hoffman	TITLE Regulatory Manager
SIGNATURE	DATE 2/16/17

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining
For Record Only

(See Instructions on Reverse Side)

RECEIVED
FEB 20 2007
DIV. OF OIL, GAS & MINING



TALON RESOURCES, INC.
 195 N. 100 W., P.O. Box 1230
 Huntington, Utah 84528
 Phone (435)687-5310 Fax (435)687-5311
 E-Mail talon@etv.net



Greentown State #36-22S
Section 36, T21S, R16E, S.L.B.&M.
Grand County, Utah

Revision: 1/15/07
 Revision: 2/05/07

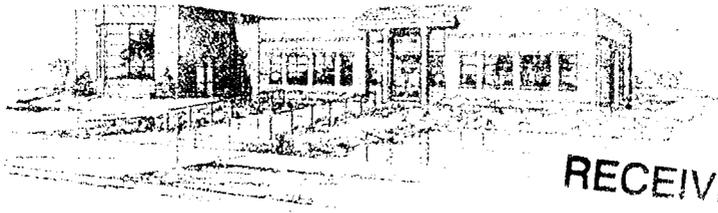
- LEGEND:**
- Existing WELL
 - Staked/Surveyed Well Location
 - EXISTING TWO TRACK ROAD
 - - - EXISTING CLASS "D" COUNTY ROAD
 - EXISTING CLASS "B" COUNTY ROAD
 - EXISTING CLASS "B" PAVED COUNTY ROAD
 - - - PROPOSED ROAD
 - LEASE BOUNDARY

Drawn By: N. BUTKOVICH	Checked By: L.W.J.
Drawing No. L-1	Date: 1/8/07
	Scale: 1" = 2000'
Sheet 4 of 4	Job No. 2699

SOUTHEASTERN UTAH ASSOCIATION OF LOCAL GOVERNMENTS

DOUG ALLEN
CHAIRMAN

WILLIAM D. HOWELL
EXECUTIVE DIRECTOR



375 SOUTH CARBON AVE.
P.O. DRAWER 1106
PRICE, UTAH 84501
(435) 637-5444
FAX (435) 637-5448

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FEB 26 2007

DIV. OF OIL, GAS & MINING

AREA WIDE CLEARINGHOUSE REVIEW

Federal Action _____ State Action x Approved (x) Yes () No
Other (indicate) _____

Applicant Address:

Oil, Gas and Mining

1594 West North Temple #1210

SLC, UT 84114-5801

Name/Phone #

Diana Mason 801-538-5312

Title/Project Description

Application for Permit to Drill - Greentown State 36-33S, 36-24S, 36-31S, 36-42S, 36-22S, 36-44S, 36-13S all on State lease ML-49170, Grand County, Utah.

Delta proposes to drill six (6) wildcat wells in an area southeast of Green River in Grand County.. All sites are on SITLA Trust land.

- No Comment
- See comment below

Comments: Favorable comment recommended.

Louise Benghel
SEUALG

February 8, 2007

DATE

AREA AGENCY ON AGING • BUSINESS INCUBATION • COMMUNITY HOUSING REHABILITATION • COMMUNITY SERVICES • ECONOMIC DEVELOPMENT

<http://www.seualg.dst.ut.us>

• fristinitiallastname@seualg.dst.ut.us

March 20, 2007

TIGHT HOLE STATUS

Helen Sadik-MacDonald
State of Utah
Division of Oil Gas and Mining
1594 West North Temple, Suite 1210
Salt Lake City, Utah 84116

RE: Revision of Drilling Program for Greentown State wells

Dear Ms. MacDonald:

Delta Petroleum Corporation respectfully submits the following revised Drilling Programs for the Greentown State Wells 36-13S, 36-22S, 36-24S, 36-31S, 36-33S, 36-42S, and 36-44S.

Please do not hesitate to call if you have any questions.

Sincerely,

DELTA PETROLEUM CORPORATION



Terry L. Hoffman
Regulatory Manager

cc: Mr. Ed Bonner SITLA

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MAR 21 2007

DIV. OF OIL, GAS & MINING

EXHIBIT "D"
DRILLING PROGRAM

TIGHT HOLE STATUS

Attached to UDOGM Form 3
Delta Petroleum Corporation
Greentown State #36-22S
SE/4 NW/4, Sec. 36, T21S, R16E, SLB & M
2047' FNL, 1600' FEL
Grand County, Utah

1. The Geologic Surface Formation

	<u>TVD</u>	<u>Subsea</u>
Morrison-Salt Wash	0'	4387'

2. Estimated Tops of Important Geologic Markers

	<u>TVD</u>	<u>Subsea</u>
Morrison-Salt Wash	0'	4387' (KB)
Entrada	592'	3795'
Carmel	1144'	3243'
Navajo	1309'	3078'
Kayenta	1745'	2642'
Wingate	1782'	2605'
Chinle	2245'	2142'
Shinarump	2427'	1960'
Moenkopi	2473'	1914'
Sinbad Is.	3068'	1319'
White Rim	3285'	1102'
Total Depth	3850'	537'

3. Projected Gas & Water Zones

		<u>TVD</u>	<u>Subsea</u>
Morrison-Salt Wash	Water/Oil	0'	4387'
Entrada	Water	592'	3795'
Navajo	Water	1309'	3078'
Wingate	Water	1782'	2605'
White Rim	Oil/Gas/Wtr	3285'	1102'

No Groundwater is anticipated to be encountered. Water encountered will be reported on a Form 7 "Report of Water Encountered during Drilling".

TIGHT HOLE STATUS

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MAR 21 2007

1

DIV. OF OIL, GAS & MINING

Casing & cementing will be done to protect all fresh water zones, potentially productive hydrocarbons, lost circulation zones, abnormal pressure zones, and prospectively valuable mineral deposits.

All indications of usable water will be reported.

Surface casing will be tested to 1500 psi for 15 minutes. Pressure drop is not to exceed 150 psi.

4) The Proposed Casing and Cementing Programs

Casing Program

<u>Hole Size</u>	<u>Setting Depth</u>	<u>Size (OD)</u>	<u>Weight, Grade & Joint</u>	<u>Condition</u>
11"	1800'	8-5/8"	24#, J-55 ST&C	New
7-7/8"	3850'	5-1/2"	17#, J-55 LT&C	New

Cement Program

Surface Casing:

Lead: 225 sxs 85/15/8
 Weight: 12.5 #/gal
 Yield: 2.14 cu.ft/sk
 Cmt Top 0'

Tail: 275 sxs Type III
 Weight: 14.6 #/gal
 Yield: 1.41 cu.ft/sk
 Cmt Top 1000'

Production Casing:

Lead: 345 sxs 85/15/8
 Weight: 12.5 #/gal
 Yield: 2.14 cu.ft/sk
 Cmt Top 0'

Tail: 200 sxs Type III
 Weight: 14.6 #/gal
 Yield: 1.41 cu.ft/sk
 Cmt Top 3000'

The following shall be entered in the driller's log:

- 1) Blowout preventer pressure tests, including test pressures and results;
- 2) Blowout preventer tests for proper functioning;
- 3) Blowout prevention drills conducted;
- 4) Casing run, including size, grade, weight, and depth set;
- 5) How the pipe was cemented, including amount of cement, type, whether cement circulated, location of the cementing tools, etc.;
- 6) Waiting on cement time for each casing string;
- 7) Casing pressure tests after cementing, including test pressures and results.

5. The Operator's Minimum Specifications for Pressure Control
Exhibit "G" is a schematic diagram of the blowout preventer equipment. An 11" 5,000 psi Double gate Hydraulic BOP with one (1) blind ram and one (1) pipe ram and Annular Preventer; equipped with a 5,000 psi manual choke manifold. The BOP will be tested and charted using a BOP tester and test plug to 5,000 psi for 10 minutes. The Annular Preventer will be tested to 2,500 psi for 10 minutes. All text will be recorded in the Driller's log book. Pipe rams will be function tested daily, and blind rams tested on each trip.

6. The Type and Characteristics of the Proposed Circulating Muds

<u>Depth</u>	<u>Type</u>	<u>Weight</u>	<u>Vis</u>	<u>Water Loss</u>
0-1800'	Wtr	+/-8.5	+/-28	NC
1800-3850'	LSND	+/-9.0	+/-44	+/-8

7. The Testing, Logging and Coring Programs are as followed

Testing - DST's are not planned

Logging - End of Surface casing – TD Platform Express plus sonic scanner

Coring - No coring is planned for this location

Any Anticipated Abnormal Pressures or Temperatures

No abnormal pressures or temperatures have been noted or reported in wells drilled in the area nor at the depths anticipated in this well. Bottom hole pressure expected is 4800 psi max. No hydrogen sulfide or other hazardous gases or fluids have been found, reported or are known to exist at these depths in the area.

8. Anticipated Starting Date and Duration of the Operations.

The well will be drilled upon approval of the permit.

Verbal and/or written notifications listed below shall be submitted in accordance with instructions from the Division of Oil, Gas & Mining:

- (a) prior to beginning construction;
- (b) prior to spudding;
- (c) prior to running any casing or BOP tests;
- (d) prior to plugging the well, for verbal plugging instructions.

Spills, blowouts, fires, leaks, accidents or other unusual occurrences shall be reported to the Division of Oil, Gas & Mining immediately.

From: Ed Bonner
To: Mason, Diana
Date: 7/11/2007 12:32 PM
Subject: Well Clearance

CC: Davis, Jim; Garrison, LaVonne; Hill, Brad; Hunt, Gil

The following wells have been given cultural resources clearance by the Trust Lands Cultural Resources Group:

Delta Petroleum Corporation

Greentown State 36-42S (API 43 019 31518)
Greentown State 36-24S (API 43 019 31519)
Greentown State 36-33S (API 43 019 31520)
Greentown State 36-13S (API 43 019 31521)
Greentown State 36-22S (API 43 019 31523)
Greentown State 36-31S (API 43 019 31524)

Dominion Exploration & Production, Inc
AP 12-2J (API 43 047 39315)

Tidewater Oil & Gas Company, LLC

Cactus Rose 16-11-2118 (API 43 019 31546)

A stipulation must be added to the APD approval letter stating that final access to the location will swing to the north on consolidated material, remain out of the filled in livestock pond, and not cut into or interfere with the retention dam.

If you have any questions regarding this matter please give me a call.



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

July 12, 2007

Delta Petroleum Corporation
370 17th St, Suite 4300
Denver, CO 80202

Re: Greentown State 36-22S Well, 2047' FNL, 1600' FWL, SE NW, Sec. 36, T. 21 South,
R. 16 East, Grand County, Utah

Gentlemen:

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

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-019-31523.

Sincerely,

Gil Hunt
Associate Director

er
Enclosures

cc: Grand County Assessor
SITLA



Operator: Delta Petroleum Corporation

Well Name & Number Greentown State 36-22S

API Number: 43-019-31523

Lease: ML 49170

Location: SE NW **Sec.** 36 **T.** 21 South **R.** 16 East

Conditions of Approval

1. General

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

2. Notification Requirements

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

- 24 hours prior to cementing or testing casing – contact Dan Jarvis
- 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
- 24 hours prior to spudding the well – contact Carol Daniels
- Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
- Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

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

- Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
- Any changes to the approved drilling plan – contact Dustin Doucet

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

- Dan Jarvis at: (801) 538-5338 office (801) 942-0873 home
- Carol Daniels at: (801) 538-5284 office
- Dustin Doucet at: (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

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

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.
5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)
6. The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review.
7. 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.

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____			5. LEASE DESIGNATION AND SERIAL NUMBER: ML-49170
2. NAME OF OPERATOR: Delta Petroleum Corporation			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 370 17th st. Suite4300 CITY Denver STATE CO ZIP 80021			7. UNIT or CA AGREEMENT NAME: N/A
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2047' FNL, 1600' FWL			8. WELL NAME and NUMBER: Greentown State #36-22S
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 36 21S 16E S			9. API NUMBER: 4301931523
COUNTY: Grand			10. FIELD AND POOL, OR WILDCAT: Wildcat
STATE: UTAH			

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

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

Delta Petroleum Corporation requests the renewal of the Permit to Drill the above referenced well

From: 7/12/2008
To: 7/11/2009

Approved by the
Utah Division of
Oil, Gas and Mining

COPY SENT TO OPERATOR

Date: 7.7.2008
Initials: KS

Date: 07-01-08
By: [Signature]

NAME (PLEASE PRINT) <u>Kate Shirley</u>	TITLE <u>Regulatory Technician</u>
SIGNATURE <u>[Signature]</u>	DATE <u>6/18/2008</u>

(This space for State use only)

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JUN 26 2008

DIV. OF OIL, GAS & MINING

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

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

API: 4301931523
Well Name: Greentown State 36-22S
Location: 2047' FNL & 1600' FWL SENW S36-T21S-R16E
Company Permit Issued to: Delta Petroleum Corporation
Date Original Permit Issued: 7/12/2007

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 right-of-way, which could affect the proposed location? Yes No

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

Have there been any physical changes to the surface location or access route which 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

Kate Shindig
Signature

6/18/2008
Date

Title: Regulatory Technician

Representing: Delta Petroleum Corporation

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JUN 26 2008

DIV. OF OIL, GAS & MINING



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

September 22, 2009

Delta Petroleum Corporation
370 17TH Street Ste. 4300
Denver, CO 80202

Re: APD Rescinded – Greentown State 36-22S, Sec.36, T.21S, R.16E
Grand County, Utah API No. 43-019-31523

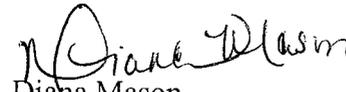
Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on July 12, 2007. On July 1, 2008, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective September 22, 2009.

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

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

Sincerely,


Diana Mason
Environmental Scientist

cc: Well File
SITLA, Ed Bonner

