

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>		<b>1. WELL NAME and NUMBER</b> GORDON CREEK SW-32-13-8
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>		<b>3. FIELD OR WILDCAT</b> WILDCAT
<b>4. TYPE OF WELL</b> Gas Well      Coalbed Methane Well: NO		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>
<b>6. NAME OF OPERATOR</b> GORDON CREEK, LLC		<b>7. OPERATOR PHONE</b> 403 453-1608
<b>8. ADDRESS OF OPERATOR</b> 1179 E Main #345, Price, UT, 84501		<b>9. OPERATOR E-MAIL</b> rironside@thunderbirdenergy.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> Sec 31+32 Fee Lease	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>	
<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>		<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Mark Jacobs
<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 801-226-3407		<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 914 East 300 North, Orem, UY 84097
<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>
<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>		<b>19. SLANT</b> VERTICAL <input checked="" type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1340 FSL 871 FWL	NWSW	32	13.0 S	8.0 E	S
Top of Uppermost Producing Zone	1340 FSL 871 FWL	NWSW	32	13.0 S	8.0 E	S
At Total Depth	1340 FSL 871 FWL	NWSW	32	13.0 S	8.0 E	S

<b>21. COUNTY</b> CARBON	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 871	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40
<b>24. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1800	<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1800	<b>26. PROPOSED DEPTH</b> MD: 4228 TVD: 4228
<b>27. ELEVATION - GROUND LEVEL</b> 7446	<b>28. BOND NUMBER</b> RLB0010790	<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 91-5193

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	11	8.625	0 - 450	24.0	J-55 ST&C	8.7	Class G	212	1.142	15.84
PROD	7.875	5.5	0 - 4228	17.0	N-80 LT&C	10.0	Class G	368	2.69	10.7

**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 checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

<b>NAME</b> Barry Brumwell	<b>TITLE</b> Vice President-Operations	<b>PHONE</b> 403 453-1608
<b>SIGNATURE</b>	<b>DATE</b> 09/26/2011	<b>EMAIL</b> bbrumwell@thunderbirdenergy.com
<b>API NUMBER ASSIGNED</b> 43007502460000	<b>APPROVAL</b>   Permit Manager	

# Range 8 East

Township 13 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 7400.00' being at the Southwest Section Corner of Section 32, Township 13 South, Range 8 East, Salt Lake Base and Meridian, as shown on the Jump Creek Quadrangle 7.5 minute series map.

**Description of Location:**  
Proposed Drill Hole located in the NW/4 SW/4 of Section 32, T13S, R8E, S.L.B.&M., being North 1340.38' from South Line and East 870.65' from West Line of Section 32, T13S, R8E, Salt Lake Base and Meridian.

**Surveyor's Certificate:**  
I, John S. Huefner, a Professional Land Surveyor, holding Certificate No. 144842 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.





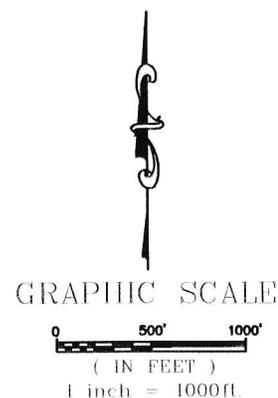
**TALON RESOURCES, INC.**  
615 North 400 East P.O. Box 1230  
Huntington, Utah 84528  
Phone (435)687-5310 Fax (435)687-5311  
E-Mail talonsetv.net



**THUNDERBIRD**  
ENERGY

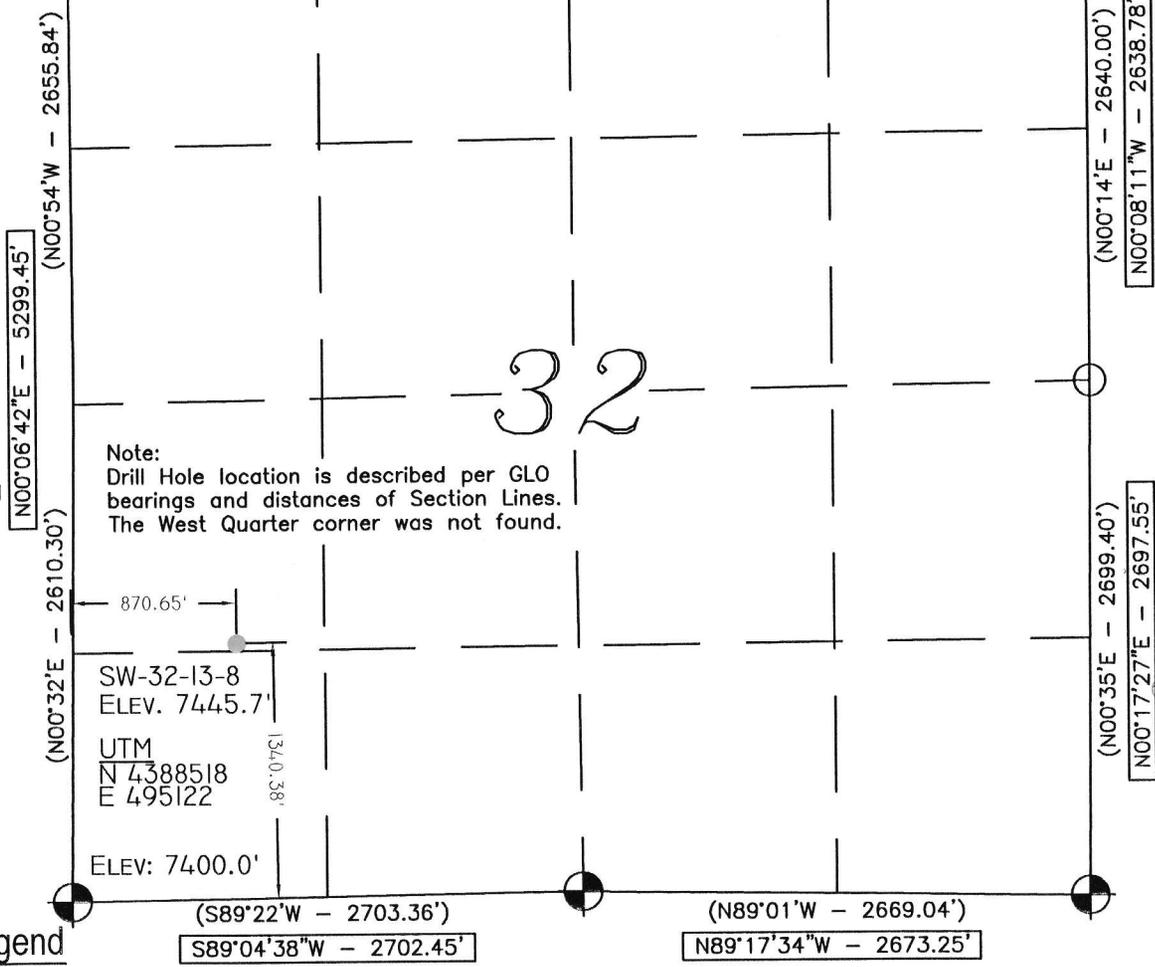
SW-32-13-8  
Section 32, T13S, R8E, S.L.B.&M.  
Carbon County, Utah

Drawn By: <b>N. BUTKOVICH</b>	Checked By: <b>A.P.C./J.S.H.</b>
Drawing No. <b>A-1</b>	Date: <b>7/27/11</b>
	Scale: <b>1" = 1000'</b>
Sheet <b>1</b> of <b>4</b>	Job No. <b>4694</b>



S89°28'24"W - 2647.88'  
(S88°50'W - 2600.40')

S89°30'55"W - 2724.91'  
(S89°54'W - 2832.06')



**Note:**  
Drill Hole location is described per GLO bearings and distances of Section Lines. The West Quarter corner was not found.

870.65'

SW-32-13-8  
ELEV. 7445.7'

UTM  
N 4388518  
E 495122

1340.38'

ELEV: 7400.0'

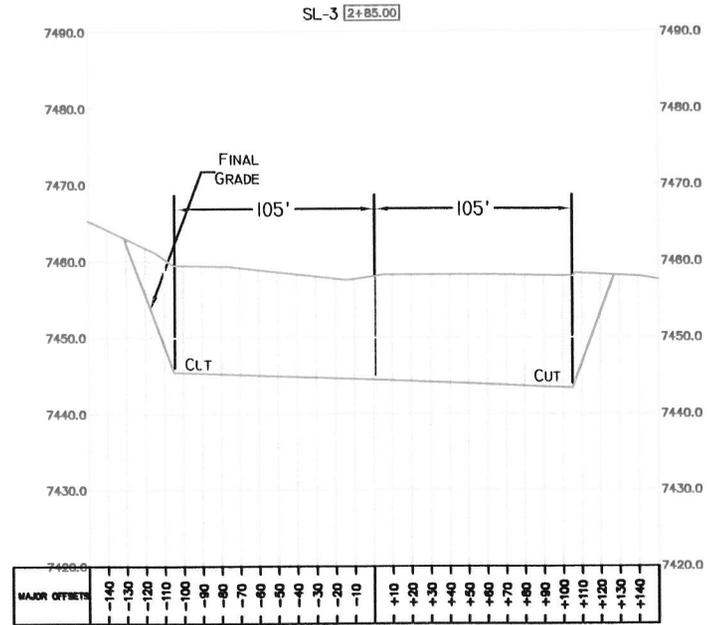
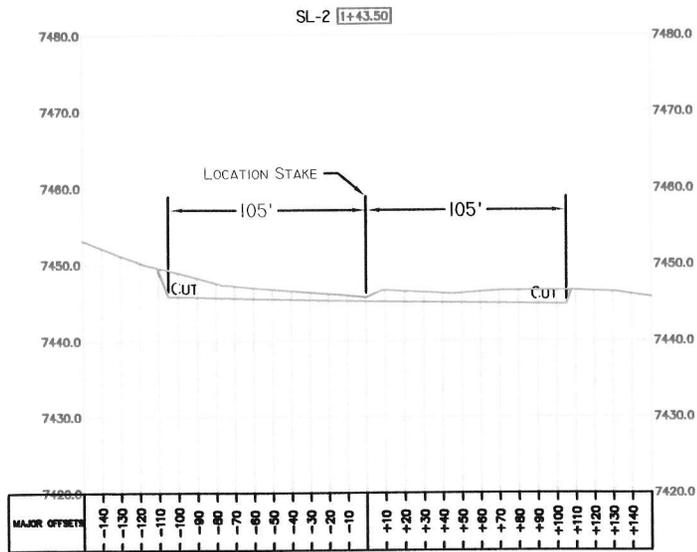
**Legend**

- Drill Hole Location
- Brass Cap (Found)
- Stone (Found)
- Calculated Corner
- GLO
- GPS Measured

- NOTES:**
1. Dimensions are GPS measured unless noted otherwise.
  2. UTM and Latitude / Longitude Coordinates are derived using a GPS Pathfinder and are shown in NAD 27 Datum.

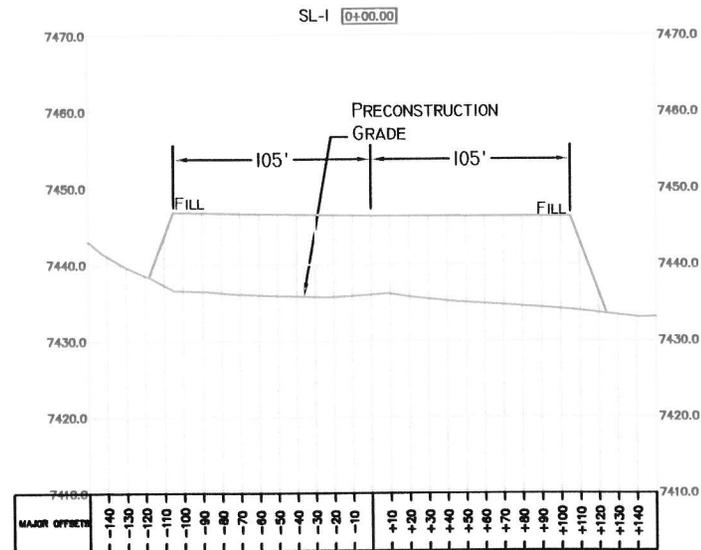
LAT / LONG  
39°38'53.965" N  
111°03'24.694" W





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

SLOPE = 1 1/2 : 1



APPROXIMATE YARDAGES

(6") TOPSOIL STRIPPING = 1,410 CU. YDS.

TOTAL CUT = 10,880 CU. YDS.

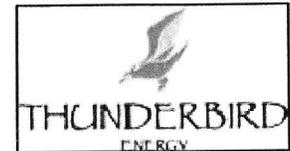
TOTAL FILL = 6,705 CU. YDS.



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**THUNDERBIRD**  
ENERGY

**TYPICAL CROSS SECTION**  
Section 32, T13S, R8E, S.L.B.&M.  
SW-32-13-8

Drawn By: N. BUTKOVICH	Checked By: A.P.C.
Drawing No. C-1	Date: 7/27/11
	Scale: 1" = 100'
Sheet 3 of 4	Job No. 4694