

**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> Twist Canyon Federal 21-2
<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> Oil Well Coalbed Methane Well: NO		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> WOLVERINE
<b>6. NAME OF OPERATOR</b> WOLVERINE GAS & OIL COMPANY OF UTAH, LLC		<b>7. OPERATOR PHONE</b> 435 896-1943
<b>8. ADDRESS OF OPERATOR</b> 1140 N. Centennial Park Dr., Richfield, UT, 84701		<b>9. OPERATOR E-MAIL</b> ciron@wolvgas.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> UTU-80587	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>	
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>12. SURFACE OWNERSHIP</b> FEDERAL <input checked="" type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>		<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>		<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</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 type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	580 FSL 78 FEL	SESE	21	21.0 S	1.0 E	S
Top of Uppermost Producing Zone	1636 FSL 1649 FEL	NWSE	21	21.0 S	1.0 E	S
At Total Depth	1636 FSL 1649 FEL	NWSE	21	21.0 S	1.0 E	S

<b>21. COUNTY</b> SEVIER	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 1636	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 40
<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 2250	<b>26. PROPOSED DEPTH</b> MD: 14600 TVD: 14293	
<b>27. ELEVATION - GROUND LEVEL</b> 6115	<b>28. BOND NUMBER</b> WYB000616	<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Salina City

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	26	20	0 - 400	94.0	J-55 Buttress	9.0	Class G	780	1.16	15.6
Surf	17.5	13.375	0 - 4000	68.0	J-55 Buttress	10.0	Rockies Lite	1026	3.49	11.5
							Premium Plus	500	1.16	15.6
							Rockies Lite	940	3.49	11.5
I1	12.25	9.625	0 - 4000	47.0	L-80 Buttress	10.5	Rockies Lite	940	3.49	11.5
							Premium Plus	180	1.16	15.8
							None			
L1	8.5	5.5	12800 - 14600	20.0	N-80 LT&C	9.0	Light (Hibond)	330	1.45	14.5

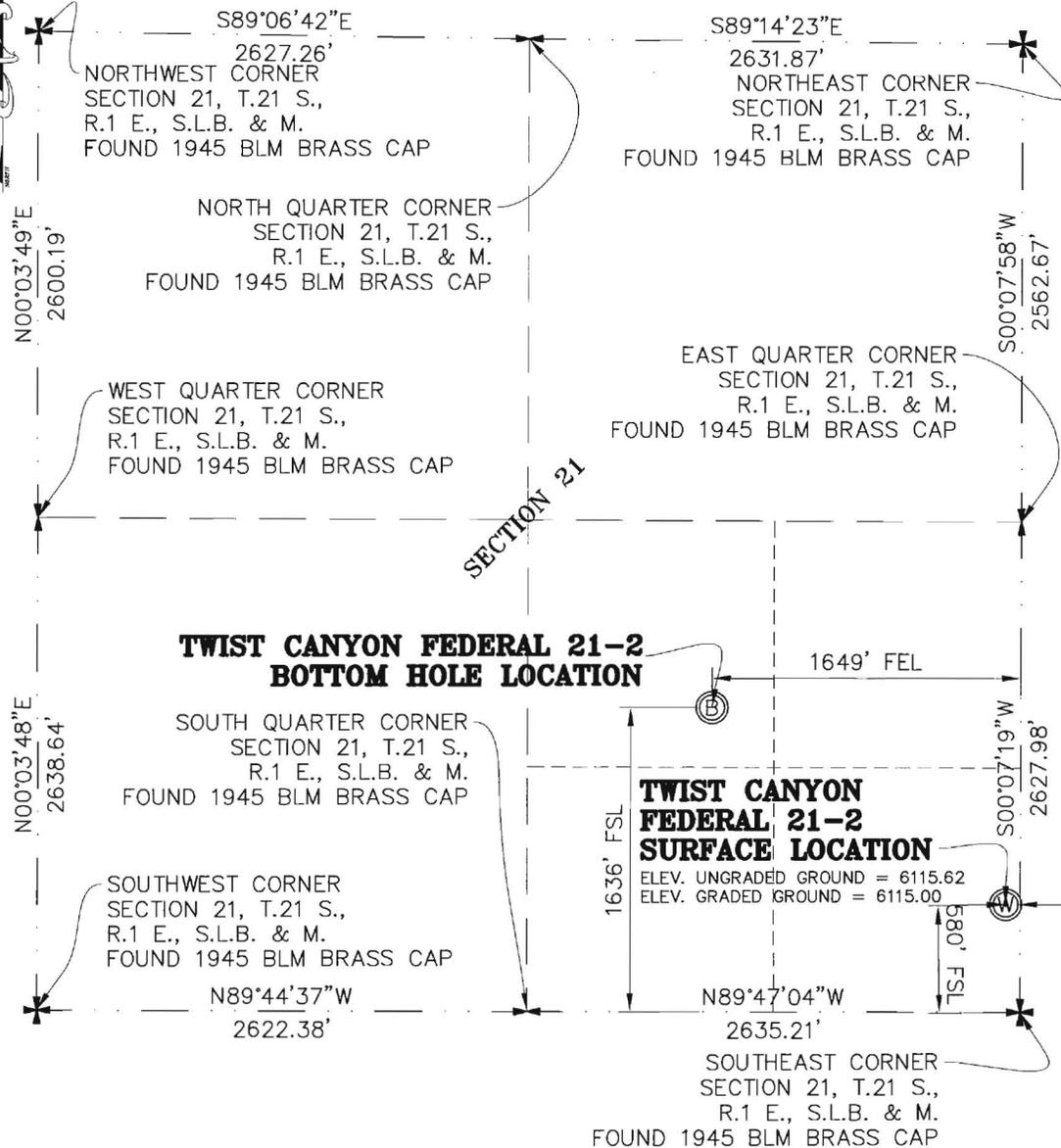
**ATTACHMENTS**

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

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP

<b>NAME</b> Charles Irons	<b>TITLE</b> Senior Landman	<b>PHONE</b> 435 896-1943
<b>SIGNATURE</b>	<b>DATE</b> 06/03/2011	<b>EMAIL</b> ciron@wolvgas.com
<b>API NUMBER ASSIGNED</b> 43041500070000	<b>APPROVAL</b>   Permit Manager	

# SECTION 21, T.21 S., R.1 E., S.L.B. & M.



PROJECT  
**WOLVERINE GAS AND OIL COMPANY OF UTAH, LLC**  
 WELL LOCATION, LOCATED AS SHOWN  
 IN THE SE 1/4 OF THE SE 1/4 OF  
 SECTION 21, T.21 S., R.1 E., S.L.B. & M.  
 SEVIER COUNTY, UTAH

### LEGEND

- SECTION CORNER AS NOTED
- QUARTER CORNER AS NOTED
- PROPOSED SURFACE LOCATION
- PROPOSED BOTTOM HOLE LOCATION

NOTE: THE PURPOSE OF THIS SURVEY WAS TO PLAT  
 TWIST CANYON FEDERAL 21-2  
 LOCATED IN THE SE 1/4 OF THE SE 1/4 OF  
 SECTION 21, T.21 S., R.1 E., S.L.B. & M.  
 SEVIER COUNTY, UTAH.

### BASIS OF ELEVATION

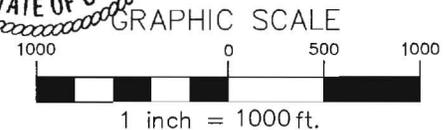
ELEVATION BASED ON AN OPUS SOLUTION WHICH WAS  
 PERFORMED ON CP-1 LOCATED AT THE PAD SITE

### CERTIFICATE

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



6/2/11  
 DATE



### BASIS OF BEARING

BASIS OF BEARING USED WAS N89°47'04"W BETWEEN THE SOUTHEAST CORNER  
 AND THE SOUTH 1/4 CORNER OF SECTION 21, T.21 S., R.1 E., S.L.B. & M.

COORDINATE DATUM = NAD 83  
 SURFACE LOCATION

WELL LATITUDE: 38°57'43.571" OR 38.962103  
 WELL LONGITUDE: -111°47'39.656" OR -111.794349

BOTTOM HOLE LOCATION

WELL LATITUDE: 38°57'54.014" OR 38.965004  
 WELL LONGITUDE: -111°47'59.562" OR -111.799878

Savage Surveying, Inc.

1925 South Industrial Park Rd.  
 Richfield, UT 84701  
 Office: 435-896-8635  
 Fax: 435-896-0220



LOCATION PLAT TWIST CANYON FEDERAL 21-2

WOLVERINE GAS AND OIL COMPANY OF UTAH, LLC

DESIGNED BY:	SURVEYED BY:	CHECKED BY:	DRAWN BY:	PROJECT NUMBER	SHEET NUMBER
T.M.	T.K.S.	R.W.S.	D.G.	1102-005S	1