

**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> 20-22H
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input type="radio"/> REENTER P&A WELL <input type="radio"/> DEEPEN WELL <input checked="" type="radio"/>		<b>3. FIELD OR WILDCAT</b> GREATER ANETH
<b>4. TYPE OF WELL</b> Oil Well      Coalbed Methane Well: NO		<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b> RATHERFORD
<b>6. NAME OF OPERATOR</b> RESOLUTE NATURAL RESOURCES		<b>7. OPERATOR PHONE</b> 303 534-4600
<b>8. ADDRESS OF OPERATOR</b> 1675 Boradway Ste 1950, Denver, CO, 80202		<b>9. OPERATOR E-MAIL</b> pflynn@resoluteenergy.com
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> 14-20-603-353	<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="radio"/> INDIAN <input checked="" type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>	
<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="radio"/> INDIAN <input checked="" type="radio"/> STATE <input type="radio"/> FEE <input type="radio"/>		<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b>
<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b>		<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b>
<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>		<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b> Navajo
<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="radio"/> (Submit Commingling Application) NO <input checked="" type="radio"/>		<b>19. SLANT</b> VERTICAL <input type="radio"/> DIRECTIONAL <input type="radio"/> HORIZONTAL <input checked="" type="radio"/>

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	2004 FNL 2049 FWL	SE	20	41.0 S	24.0 E	S
Top of Uppermost Producing Zone	2004 FNL 2049 FWL	SE	20	41.0 S	24.0 E	S
At Total Depth	2004 FNL 2049 FWL	SE	20	41.0 S	24.0 E	S

<b>21. COUNTY</b> SAN JUAN	<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 3190	<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 12950
<b>24. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 230	<b>25. PROPOSED DEPTH</b> MD: 7708    TVD: 5547	
<b>26. ELEVATION - GROUND LEVEL</b> 4778	<b>27. BOND NUMBER</b> B001263	<b>28. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> lease produced water

Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	12.25	9.625	0 - 1610	40.0	K-55 Casing/Tubing	0.0	Class B	363	2.19	0.0
PROD	9.5	7	0 - 5690	20.0	K-55 Casing/Tubing	0.0	Class B	700	1.88	0.0

**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

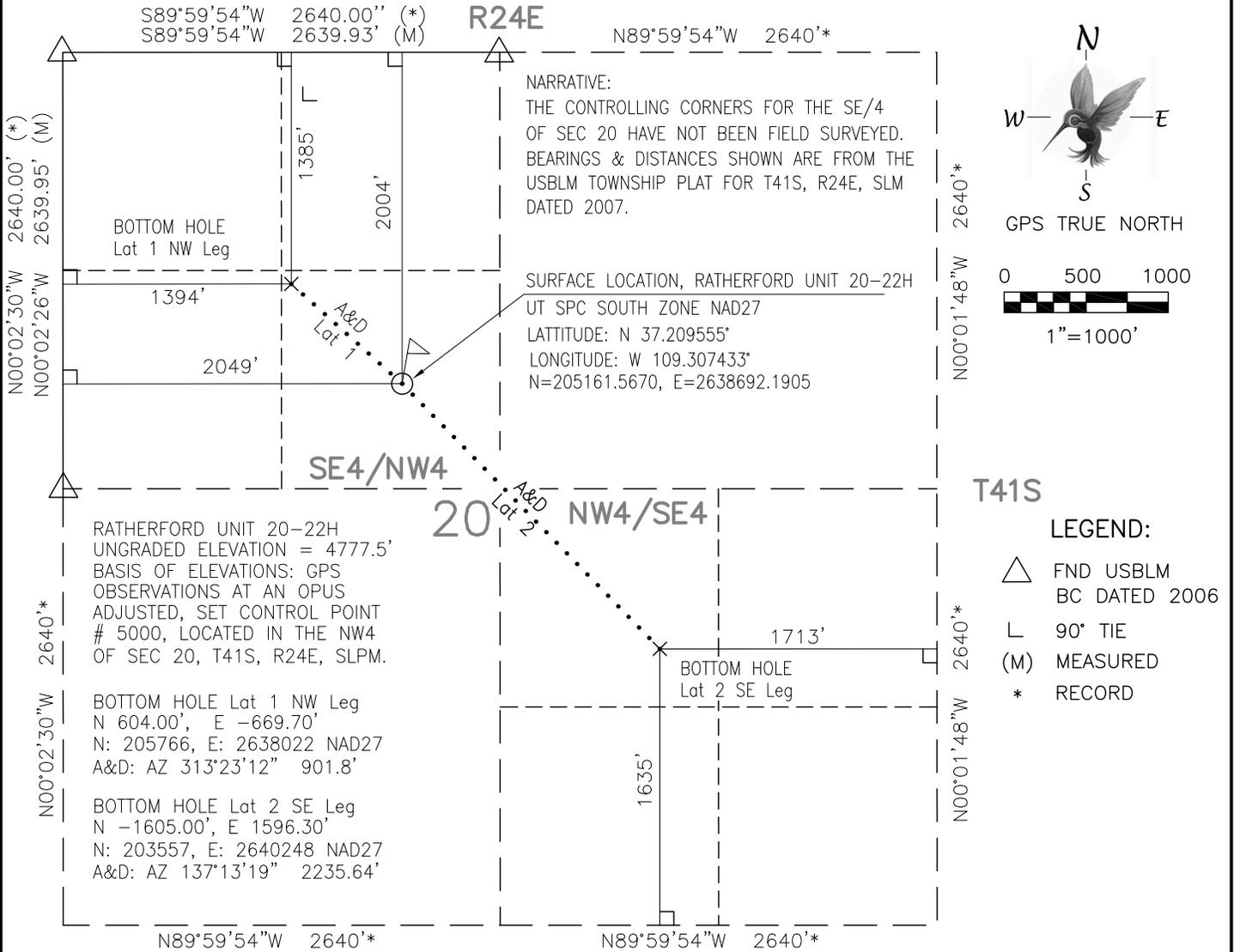
<b>NAME</b> Dwight Mallory	<b>TITLE</b> EH&S Corrdinator	<b>PHONE</b> 303 534-4600
<b>SIGNATURE</b>	<b>DATE</b> 08/31/2011	<b>EMAIL</b> dmallory@resoluteenergy.com
<b>API NUMBER ASSIGNED</b> 43037309300000	<b>APPROVAL</b>   Permit Manager	

LOCATION OF LATERAL NUMBER 1	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
Location At Kickoff Point Depth:	2004 FNL	2049 FWL	SEnw	20	41.0 S	24.0 E	S
Top of Uppermost Producing Zone	2004 FNL	2049 FWL	SEnw	20	41.0 S	24.0 E	S
At Total Depth	1385 FNL	1394 FWL	SEnw	20	41.0 S	24.0 E	S
COUNTY SAN JUAN	DISTANCE TO NEAREST LEASE LINE (Feet) 3190						
DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 230	PROPOSED DEPTH MD: 7708 TVD: 5547						

**Hole, Casing, and Cement Information**

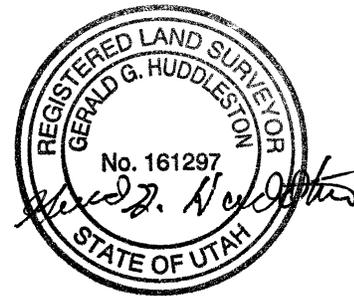
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
OPEN	6.5	0	5372 - 6393	0.0	No Pipe Used	10.2	No Used	0	0.0	0.0

# Ratherford Unit 20-22H Well Location



## CERTIFICATE:

I, Gerald G. Huddleston, do hereby certify that I am a registered Utah land surveyor holding certificate number 161297 as prescribed under the laws of the State of Utah, and I further certify that under authority of the owner I have surveyed the Ratherford Unit 20-22H as shown hereon and that the same is correct and true to the best of my knowledge and belief.



## EXHIBIT A

WELL HEAD FOOTAGE: 2004' FNL 2049' FWL	<b>RESOLUTE</b> NATURAL RESOURCES		
SEC 20, T41S, R24E, SLPM, SAN JUAN COUNTY, UT			
ELEVATION: 4778.8 AT FLANGE (NAVD88)	SURVEYED: 03/07/11		
NW LEG BH FOOTAGE: 1385' FNL 1394' FWL	DRAWN BY: GEL	DATE: 03/10/11	FILE:
SE LEG BH FOOTAGE: 1635' FSL 1713' FEL	REV1- 9/5/11, ADDED LATERALS 1 & 2 BOTTOM HOLES		