

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> Three Rivers 4-38T-820					
<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> THREE RIVERS					
<b>4. TYPE OF WELL</b> Oil Well Coalbed Methane Well: NO						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>					
<b>6. NAME OF OPERATOR</b> ULTRA RESOURCES INC						<b>7. OPERATOR PHONE</b> 303 645-9810					
<b>8. ADDRESS OF OPERATOR</b> 304 Inverness Way South #295, Englewood, CO, 80112						<b>9. OPERATOR E-MAIL</b> dghani@ultrapetroleum.com					
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> FEE			<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> UPL Three Rivers Holdings, LLC						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 303-645-9810					
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> 304 Inverness Way South Suite 295, Englewood, CO 80112						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b> dghani@ultrapetroleum.com					
<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 type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>					
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>			
LOCATION AT SURFACE		1529 FSL 2293 FEL		NWSE	4	8.0 S	20.0 E	S			
Top of Uppermost Producing Zone		460 FSL 1780 FEL		SWSE	4	8.0 S	20.0 E	S			
At Total Depth		460 FSL 1780 FEL		SWSE	4	8.0 S	20.0 E	S			
<b>21. COUNTY</b> UINTAH			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 460			<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> 40			<b>26. PROPOSED DEPTH</b> MD: 7019 TVD: 6785								
<b>27. ELEVATION - GROUND LEVEL</b> 4751			<b>28. BOND NUMBER</b> 022046398			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> 49-2262					
<b>Hole, Casing, and Cement Information</b>											
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight	
SURF	11	8.625	0 - 1000	24.0	J-55 LT&C	8.8	Premium Lite High Strength	80	2.97	11.5	
							Class G	115	1.16	15.8	
Prod	7.875	5.5	0 - 7019	17.0	J-55 LT&C	10.0	OTHER	225	3.54	11.0	
							OTHER	450	1.35	14.0	
<b>ATTACHMENTS</b>											
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>											
<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 checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Katherine Skinner				<b>TITLE</b> Permitting Assistant				<b>PHONE</b> 303 645-9872			
<b>SIGNATURE</b>				<b>DATE</b> 05/13/2014				<b>EMAIL</b> kskinner@ultrapetroleum.com			
<b>API NUMBER ASSIGNED</b> 43047544210000				<b>APPROVAL</b>  Permit Manager							

**ULTRA RESOURCES, INC.**

**MASTER**  
**8 - POINT DRILLING PROGRAM**

**Slim Hole Design**  
**8 5/8" Surface & 5 1/2" Production Casing Design**

**DATED: 06-01-14**

**Directional Wells located on Ultra leases in**  
**Three Rivers Project:**

**Three Rivers 4-38T-820**

**SHL: Sec 4 (NWSE) T8S R20E**

**Uintah, Utah**

**ONSHORE OIL & GAS ORDER NO. 1**  
**Approval of Operations on Onshore**  
**Federal and Indian Oil and Gas Leases**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (CFR 43, Part 3160) and the approved Application for Permit to Drill. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations.

**RECEIVED: June 02, 2014**

**1. Formation Tops**

The estimated tops of important geologic markers are as follows:

<u>Formation Top</u>	<u>Top (TVD)</u>	<u>Comments</u>
Uinta	Surface	
BMSW	1,301' MD / 1,300' TVD	
Green River	2,843' MD / 2,740' TVD	
Mahogany	4,293' MD / 4,065' TVD	
Garden Gulch	4,899' MD / 4,665' TVD	Oil & Associated Gas
Lower Green River*	5,044' MD / 4,810' TVD	Oil & Associated Gas
Wasatch	6,819' MD / 6,585' TVD	Oil & Associated Gas
TD	7,019' MD / 6,785' TVD	

**Asterisks (\*) denotes target pay intervals**

All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished to the BLM. Oil and gas shows will be adequately tested for commercial possibilities, reported and protected by casing and cement.

**2. BOP Equipment**

- A) The BOPE shall be closed whenever the well is unattended. The Bureau of Land Management will be notified 24 hours prior to all BOPE pressure tests. The State of Utah, Division of Oil, Gas and Mining will be notified 24 hours prior to all BOPE pressure tests.
- B) The BOPE shall be closed whenever the well is unattended.
- C) As per 43 CFR 3160, Onshore Oil and Gas Order No. 2, Drilling Operations, Part A:
- 1) All BOPE connections subjected to well pressure will be flanged, welded, or clamped.
  - 2) Choke Manifold
  - 3) Tee blocks or targeted 'T's will be used and anchored to prevent slip and reduce vibration.
  - 4) Two adjustable chokes will be used in the choke manifold.
  - 5) All valves (except chokes) in kill line choke manifold and choke line will not restrict the flow.
  - 6) Pressure gauges in the well control system will be designed for drilling fluid.
- D) BOPE Testing:
- 1) BOPE shall be pressure tested when initially installed, whenever any seal subject to pressure testing is broken, or after repairs.
  - 2) All BOP tests will be performed with a test plug in place.
  - 3) BOP will be tested to full stack working pressure and annular preventer to 50% stack working pressure.

**INTERVAL**

0 - 1,000' MD / 1,000' TVD  
1,000' MD / 1,000' TVD – 7,019' MD / 6,785' TVD

**BOP EQUIPMENT**

11" Diverter with Rotating Head  
3,000# Ram Double BOP & Annular with  
Diverter & Rotating Head

NOTE: Drilling spool to accommodate choke and kill lines.

**3. Casing and Float Equipment Program****CASING:**

<b>Directional Well</b>	<b>Hole Size</b>	<b>OD</b>	<b>Depth MD/TVD</b>	<b>Wt.</b>	<b>Grade &amp; Connection</b>	<b>Cond.</b>
<b>Surface</b>	11"	8 5/8"	1,000' MD / 1,000' TVD	24.0 ppf	J-55, LTC	New
<b>Production</b>	7 7/8"	5 1/2"	7,019' MD / 6,785' TVD	17.0 ppf	J-55, LTC	New

**CASING SPECIFICATIONS:**

Directional Well	Casing OD	Casing ID / Drift ID	Collapse (psi)	Int. Yield (psi)	Ten. Yield (lb)	Jt. Strength (lb)
Surface	8 5/8"	8.097" / 7.972"	1,370	2,950	381,000	244,000
Production	5 1/2"	4.492" / 4.767"	4,910	5,320'	273,000	229,000

**FLOAT EQUIPMENT:****SURFACE (8 5/8")**

Float Shoe, 1 joint casing, float collar

Centralizers: 1 each 1<sup>st</sup> 4 Joints then every 4<sup>th</sup> joint to surface**PRODUCTION (5 1/2")**

Float Shoe, 1 joint casing, float collar

Centralizers: 1 each 1<sup>st</sup> 4 Joints then every 3<sup>rd</sup> joint to 500' into surface casing**4. Cementing Programs****CONDUCTOR (13 3/8")**

Ready Mix – Cement to surface

**SURFACE (8 5/8")**

Surface – 500'

Cement Top - Surface

Lead: 80 sks, Premium Lightweight Cmt w/ additives, 11.5 ppg, 2,97 cf/sk 50% excess

500' – 1,000' MD / 1,000' TVD± Tail: 115 sks Glass G Cement w/ additives, 15.8 ppg, 1.16 cf/sx, 50% excess

Note: The above volumes are based on a gauge-hole + 50% excess.

**PRODUCTION (5 1/2")**

500' - 4,000' TVD ±

Cement Top – 500'

Lead: 225 sks – Econocem Cement w/ 0.25 lbm Poly-E-Flake, 1% Granulite TR 1/4, 5 lbm Kol-Seal; 11.0 ppg; 3.54 cf/sx; 15% excess

4,000' – 7,019' MD / 6,785' TVD Tail: 450 sks, Expandacem Cement w/ 0.25 lbm Poly-E-Flake, 1 lbm Granulite TR 1/4, 2 lbm Kol-Seal; 14.0 pp; 1.349 cf/sk; 15% excess

Note: Lead Cement will be brought to 4,000' which will give a minimum of 500' above Lower Green River.

- A) For Surface casing, if cement falls or does not circulate to surface, cement will be topped off.
- B) Cement will not be placed down annulus with a 1" pipe unless BLM is contacted.
- C) The Bureau of Land Management will be notified 24 hours prior to running casing and cementing.
- D) As per 43 CFR 3160, Onshore Oil and Gas Order No.2, Drilling Operations, Part B:
- 1) All waiting on cement times shall be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe (minimum of 8 hours) prior to drilling out.
  - 2) Prior to drilling out cement, casing will be pressure tested to 1500 psi. Pressure decline must not be greater than 10% (150 psi) in 30 minutes.
  - 3) Progress reports, Form 3160-5 "Sundry Notices and Reports on Wells", shall be filed with the Field Manager within 30 days after the work is completed.
  - 4) Setting of each string of casing, size, grade, weight of casing set, hole size, setting depth, amounts and type of cement used, whether cement circulated or the top of the cement behind the casing, depth of cementing tools used, casing test method and results, and the date work was done. Show the spud date on the first reports submitted.
  - 5) Temperature or bond logs must be submitted for each well where the casing cement was not circulated to the surface.

- 6) A pressure integrity test of each casing shoe shall be performed. Formation at the shoe shall be tested to a minimum of the mud weight equivalent anticipated to control the formation pressure to the next casing depth or at total depth of the well. This test shall be performed after drilling 5-10 feet of new hole.

## 5. Mud Program

The proposed circulating mediums to be employed in drilling are as follows:

Interval	Mud Type	Viscosity	Fluid Loss	pH	Mud Wt. (ppg)
0 – 1,000' MD / 1,000' TVD	Water/Spud Mud	32	No Control (NC)	7.0 -8.2	<8.8
1,000' MD / 1,000' TVD - 7,019' MD / 6,785' TVD	DAP System	40 - 60	10 - 18	7.0-8.2	<10.0

- A) For Surface Sufficient quantities of mud materials will be maintained or readily accessible for the purpose of assuring well control during the course of drilling operations. A mud test shall be performed every 24 hours after mudding up to determine, as applicable: density, viscosity, gel strength, filtration, and pH.
- B) The mud monitoring equipment on location will be installed by top of Green River and will be able to monitor at a minimum the pit volume totalizer (PVT), stroke counter, and flow sensor
- C) Flare line discharge will be located no less than 100 feet from the wellhead using straight or targeted 'T' and anchors.

## 6. Evaluation Program - Testing, Logging, and Coring

- A) Cores: None anticipated.
- B) Testing: None anticipated.
- C) Directional Drilling: Directional tools will be used to locate the bottom hole per the attached directional plan +/-.
- D) Open Hole Logs: TD to surface casing: resistivity, neutron density, gamma ray and caliper.
- E) Mud Logs: None anticipated.
- F) Formation to TD; record and monitor gas shows and record drill times (normal mud logging duties).

## 7. Anticipated Pressures and H.S.

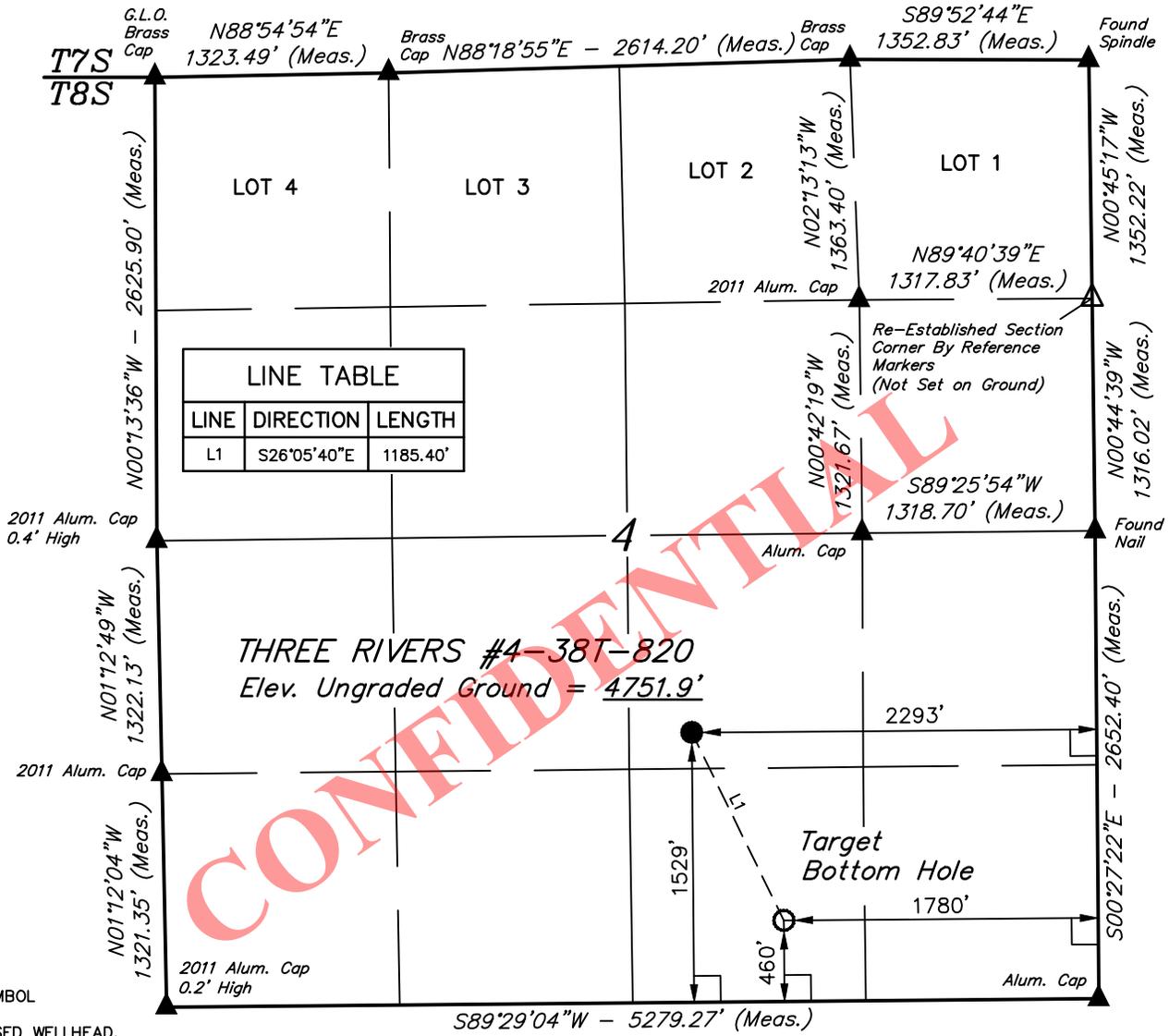
- A) The expected bottom hole pressure is 3,500 – 3,650 psig. Normal pressures are anticipated from surface to approximately TD. These pressures will be controlled by a blowout preventer stack, annular BOP, choke manifold, mud/gas separator, surface equipment and drilling mud. A supply of barite to weight the mud to a balancing specific gravity, if necessary, will be on location.
- B) Maximum expected surface pressure will be based on the frac gradient of the casing shoe. The design of the casing assumes that the MASP will be the fracture pressure at the shoe less a column of gas.
- C) No hydrogen sulfide gas is anticipated, however if H<sub>2</sub>S is encountered, the guidelines in Onshore Oil and Gas Order No. 6 will be complied with.

## 8. Other Information and Notification Requirements

- A) There shall be no deviation from the proposed drilling and/or workover program as approved. Any changes in operation must have prior approval from the *Utah Division of Oil, Gas and Mining*, and the BLM Vernal (when drilling on Federal leases).

- 1) Anticipated starting date will be upon approval. It is anticipated that completion operations will begin within 15 days after the well has been drilled.
  - 2) It is anticipated that the drilling and completion of this well will take approximately 90 days.
- B) Notification Requirements for *Utah Division of Oil, Gas and Mining*:**
- *Within 24 hrs. of spud (Carol Daniels at 801/538-5284)*
  - *24 hrs. prior to testing BOP equipment (Dan Jarvis 801/538-5338 or 231-8956)*
  - *24 hrs. prior to cementing or testing casing (Dan Jarvis)*
  - *Within 24 hrs. of making any emergency changes to APD (Dustin Doucet 801/538-5281 or 733-0983)*
- C) Notification Requirements BLM Vernal when drilling on Federal leases as follows: (Cade T Taylor @ [cctaylor@blm.gov](mailto:cctaylor@blm.gov) and [Blm ut vn opreport@blm.gov](mailto:Blm_ut_vn_opreport@blm.gov)):**
- *Within 24 hrs. of spud (Carol Daniels at 801/538-5284)*
  - *24 hrs. prior to testing BOP equipment (Dan Jarvis 801/538-5338 or 231-8956)*
  - *24 hrs. prior to cementing or testing casing (Dan Jarvis)*
  - *Within 24 hrs. of making any emergency changes to APD (Dustin Doucet 801/538-5281 or 733-0983)*
- D) Any changes in the program must be approved by the *Utah Division of Oil, Gas and Mining* and or the BLM Vernal Office. "Sundry Notices and Reports on Wells" (form 3160-5) must be filed for all changes of plans. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.**
- 1) Should the well be successfully completed for production, the BLM Pinedale Field Office must be notified when it is placed in a producing status. The notification shall provide, as a minimum, the following information items:
    - Operator name, address, and telephone number.
    - Well name and number.
    - Well location (1/4 1/4, Section, Township, Range and P.M.)
    - Date well was placed in a producing status (date of first production for which royalty will be paid).
    - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
    - The Federal or Indian lease prefix and number on which the well is located. As appropriate, the unit agreement name, number and participating area name. As appropriate, the communitization agreement number.

# T8S, R20E, S.L.B.&M.



CONFIDENTIAL

**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELLHEAD.
- = TARGET BOTTOM HOLE.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)



NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°08'44.37" (40.145658)	LATITUDE = 40°08'54.89" (40.148581)
LONGITUDE = 109°40'13.66" (109.670461)	LONGITUDE = 109°40'20.37" (109.672325)

**CERTIFICATE**

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



**BASIS OF BEARINGS**

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

**BASIS OF ELEVATION**

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.



ULTRA RESOURCES, INC.

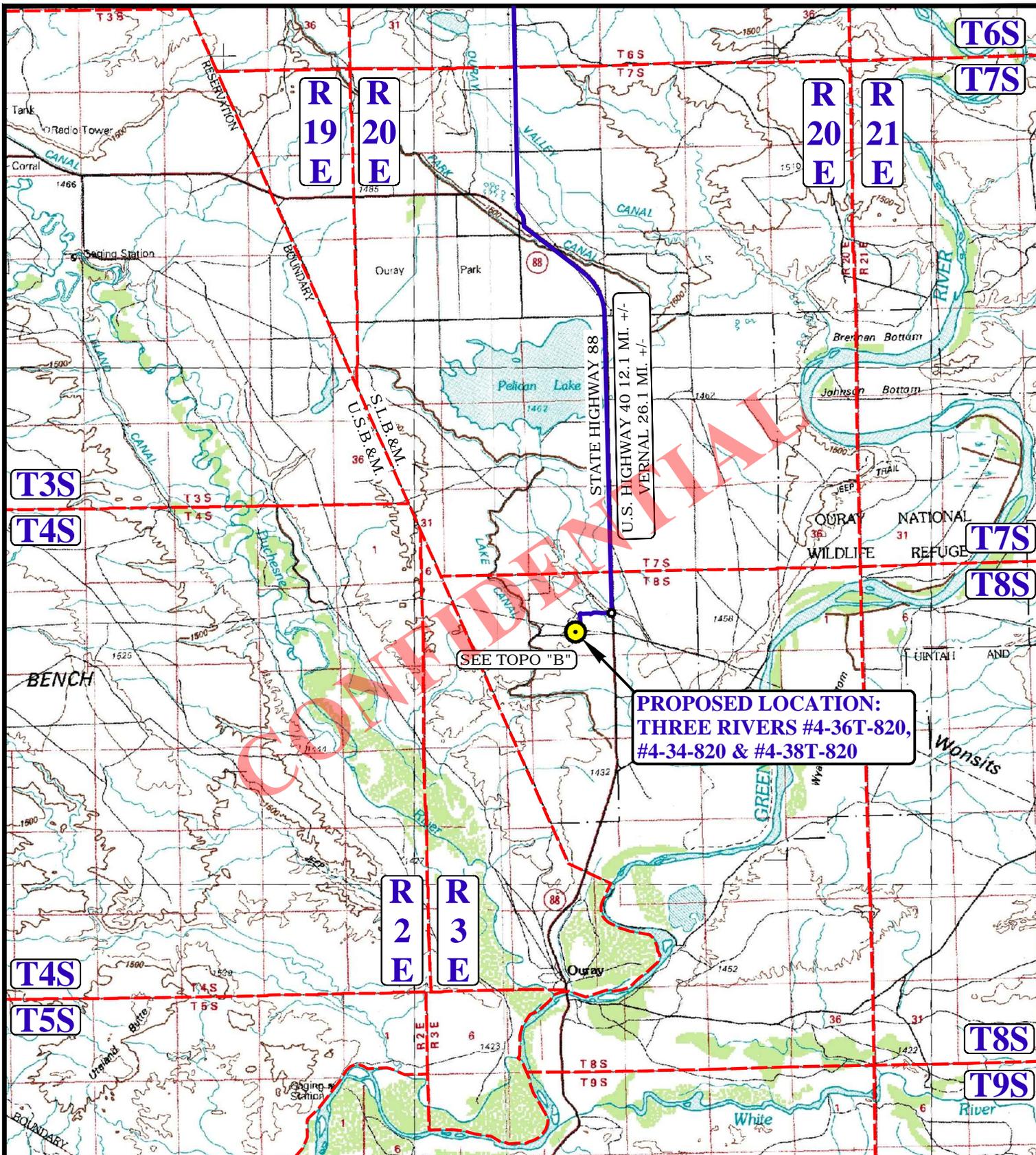
**THREE RIVERS #4-38T-820**  
**NW 1/4 SE 1/4, SECTION 4, T8S, R20E, S.L.B.&M.**  
**UINTAH COUNTY, UTAH**

SURVEYED BY: M.P. T.P.	SCALE: 1"=1000'	DRAWN BY: H.W.
DATE: 04-22-14		DATE: 04-30-14

**WELL LOCATION PLAT**



**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017



**LEGEND:**

 PROPOSED LOCATION



**ULTRA RESOURCES, INC.**

**THREE RIVERS #4-36T-820, #4-34-820 & #4-38T-820  
SECTION 4, T8S, R20E, S.L.B.&M.  
NW 1/4 SE 1/4**

DRAWN BY: J.M.C.  
SCALE: 1:100,000

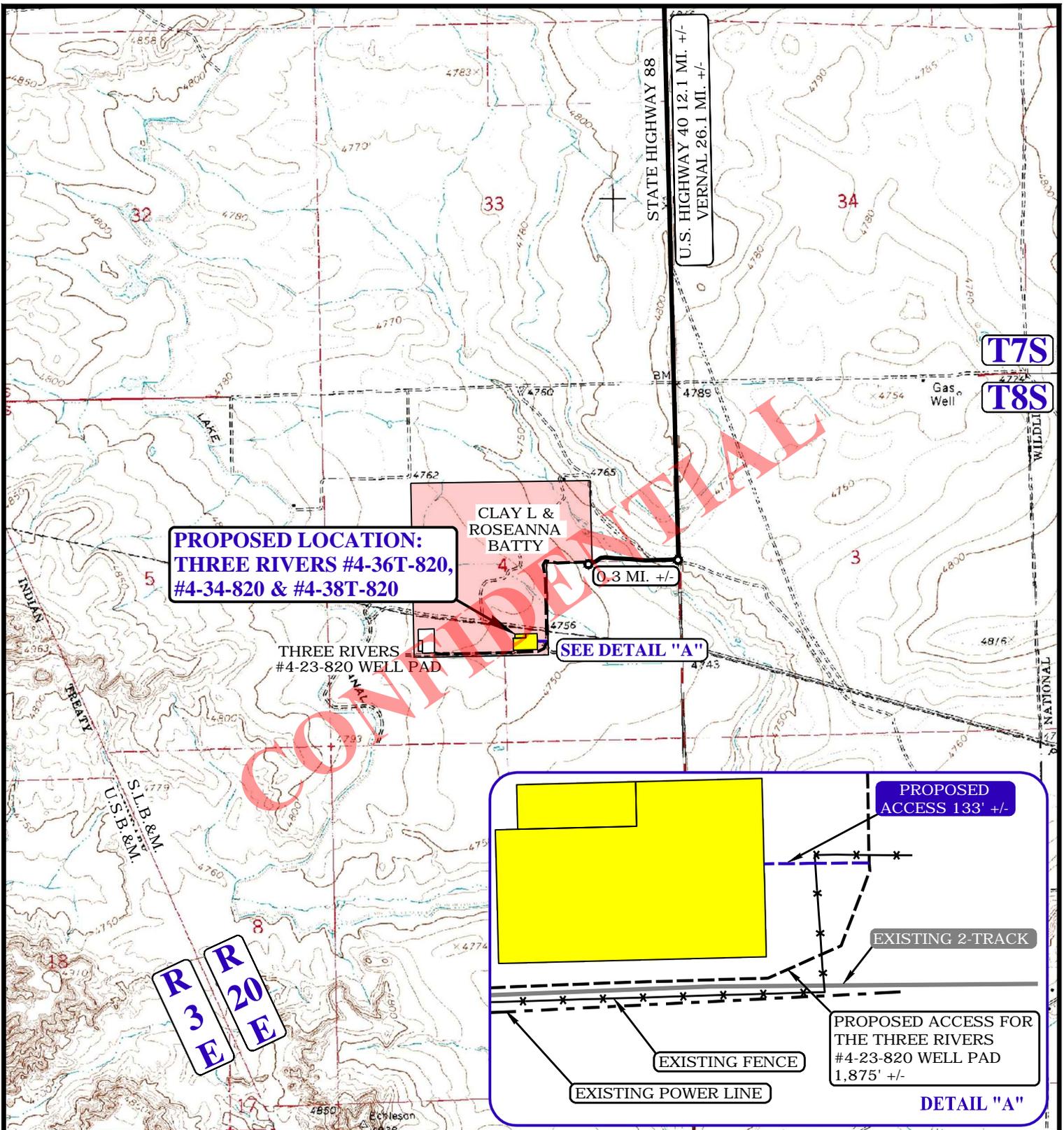
DATE DRAWN: 05-06-14  
REV: 00-00-00

**ACCESS ROAD MAP**

**TOPO A**



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



NOTE: PARCEL DATA SHOWN HAS BEEN OBTAINED FROM VARIOUS SOURCES AND SHOULD BE USED FOR MAPPING, GRAPHIC AND PLANNING PURPOSES ONLY. NO WARRANTY IS MADE BY UINTAH ENGINEERING AND LAND SURVEYING (UELS) FOR ACCURACY OF THE PARCEL DATA.

**LEGEND:**

- EXISTING ROAD
- - - PROPOSED ROAD
- - - PROPOSED ROAD (SERVICING OTHER WELLS)
- - - EXISTING 2-TRACK
- \* \* EXISTING FENCE
- - - EXISTING POWER LINE

**ULTRA RESOURCES, INC.**

**THREE RIVERS #4-36T-820, #4-34-820 & #4-38T-820  
SECTION 4, T8S, R20E, S.L.B&M.  
NW 1/4 SE 1/4**



DRAWN BY: J.M.C.

DATE DRAWN: 05-06-14

SCALE: 1" = 2000'

REV: 00-00-00

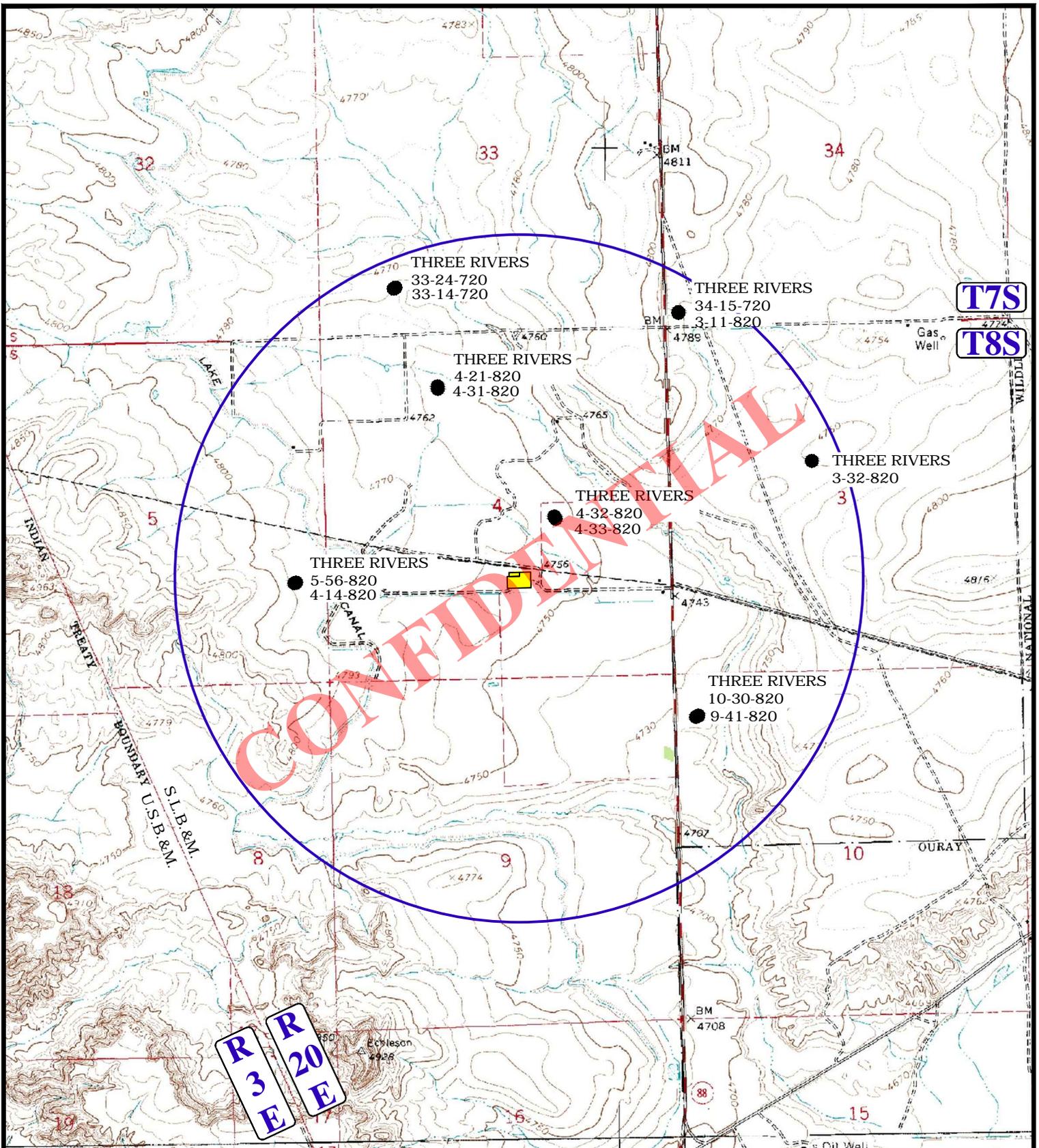
**ACCESS ROAD MAP**

**TOPO B**



**UELS, LLC**

Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



**R 3 E**  
**R 20 E**

**T7S**

**T8S**

**LEGEND:**

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

**ULTRA RESOURCES, INC.**

**THREE RIVERS #4-36T-820, #4-34-820 & #4-38T-820  
SECTION 4, T8S, R20E, S.L.B.&M.  
NW 1/4 SE 1/4**



DRAWN BY: J.M.C.	DATE DRAWN: 05-06-14
SCALE: 1" = 2000'	REV: 00-00-00

**WELL PROXIMITY MAP** | **TOPO C**



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017







# ULTRA RESOURCES, INC

Location: Three Rivers Slot: Three Rivers 4-38T-820 (1529' FSL & 2293' FEL)  
 Field: UINTAH COUNTY Well: Three Rivers 4-38T-820  
 Facility: Sec.04-T8S-R20E Wellbore: Three Rivers 4-38T-820 PWB

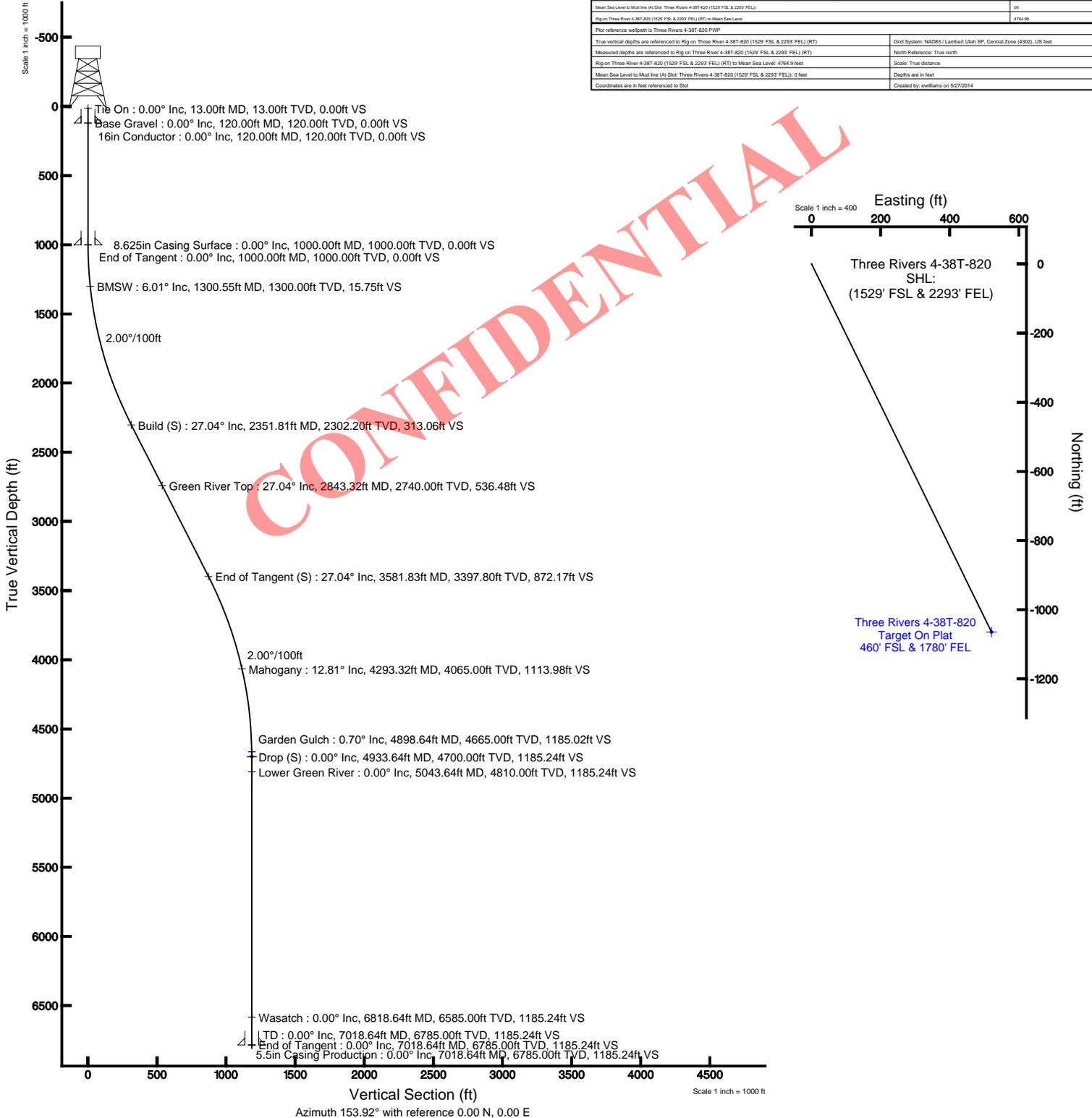
Targets								
Name	MD (ft)	TVD (ft)	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Three Rivers 4-38T-820 Target On Plat 460' FSL & 1780' FEL	4933.64	4700.00	-1064.55	621.08	2151272.449	7229564.743	40°08'44.370"N	109°40'20.370"W

Well Profile Data								
Design Comment	MD (ft)	Inc (°)	Az (°)	TVD (ft)	Local N (ft)	Local E (ft)	DLS (°/100ft)	VS (ft)
Tie On	13.00	0.000	153.919	13.00	0.00	0.00	0.00	0.00
End of Tangent	1000.00	0.000	153.919	1000.00	0.00	0.00	0.00	0.00
Build (S)	2351.81	27.036	153.919	2302.20	-281.19	137.64	2.00	313.06
End of Tangent (S)	3581.83	27.036	153.919	3397.80	-783.36	383.45	0.00	872.17
Drop (S)	4933.64	0.000	153.919	4700.00	-1064.55	521.08	2.00	1185.24
End of Tangent	7018.64	0.000	153.919	6785.00	-1064.55	521.08	0.00	1185.24

Location Information				
Facility Name	Grid East (US ft)	Grid North (US ft)	Latitude	Longitude
Sec.04-T8S-R20E	215127.811	722955.135	40°08'20.107"N	109°39'53.807"W
Site	Local N (ft)	Local E (ft)	Grid East (US ft)	Grid North (US ft)
Three Rivers 4-38T-820 (1529' FSL & 2293' FEL)	-292.03	1607.96	2151272.449	7229564.743
Rig on Three River 4-38T-820 (1529' FSL & 2293' FEL) to Mud line (M Site Three Rivers 4-38T-820 (1529' FSL & 2293' FEL))				4704.91
Mean Sea Level to Mud line (M Site Three Rivers 4-38T-820 (1529' FSL & 2293' FEL))				0
Rig on Three River 4-38T-820 (1529' FSL & 2293' FEL) to Mean Sea Level				4704.91
Point reference wellbore on Three Rivers 4-38T-820 PWB				
True vertical depths are referenced to Rig on Three River 4-38T-820 (1529' FSL & 2293' FEL) (RT)				Grid System: NAD83 / Lambert Utah SP. Central Zone (4302), US feet
Measured depths are referenced to Rig on Three River 4-38T-820 (1529' FSL & 2293' FEL) (RT)				North Reference: True north
Rig on Three River 4-38T-820 (1529' FSL & 2293' FEL) to Mean Sea Level: 4704.91 feet				Scale: True distance
Mean Sea Level to Mud line (M Site Three Rivers 4-38T-820 (1529' FSL & 2293' FEL)): 0 feet				Depths are in feet
Coordinates are in feet referenced to Site				Created by: ceatlans on 5/27/2014





### Planned Wellpath Report

Three Rivers 4-38T-820 PWP

Page 1 of 5



REFERENCE WELLPATH IDENTIFICATION			
Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 4-38T-820 (1529' FSL & 2293' FEL)
Area	Three Rivers	Well	Three Rivers 4-38T-820
Field	UINTAH COUNTY	Wellbore	Three Rivers 4-38T-820 PWB
Facility	Sec.04-T8S-R20E		

REPORT SETUP INFORMATION			
Projection System	NAD83 / Lambert Utah SP, Central Zone (4302), US feet	Software System	WellArchitect® 3.0.0
North Reference	True	User	Ewilliams
Scale	0.999914	Report Generated	5/27/2014 at 2:15:38 PM
Convergence at slot	1.17° East	Database/Source file	WellArchitectDB/Three_Rivers_4-38T-820_PWB.xml

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-2552.03	-1907.96	2151272.45	7228064.74	40°08'54.890"N	109°40'20.370"W
Facility Reference Pt			2153127.51	7230655.14	40°09'20.110"N	109°39'55.800"W
Field Reference Pt			2156630.96	7236613.42	40°10'18.270"N	109°39'09.100"W

WELLPATH DATUM				
Calculation method	Minimum curvature	Rig on Three River 4-38T-820 (1529' FSL & 2293' FEL) (RT) to Facility	Vertical Datum	476
Horizontal Reference Pt	Slot	Rig on Three River 4-38T-820 (1529' FSL & 2293' FEL) (RT) to Mean Sea Level		476
Vertical Reference Pt	Rig on Three River 4-38T-820 (1529' FSL & 2293' FEL) (RT)	Rig on Three River 4-38T-820 (1529' FSL & 2293' FEL) (RT) to Mud Line at Slot (Three Rivers 4-38T-820 (1529' FSL & 2293' FEL))		476
MD Reference Pt	Rig on Three River 4-38T-820 (1529' FSL & 2293' FEL) (RT)	Section Origin		N 0.
Field Vertical Reference	Mean Sea Level	Section Azimuth		153.

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### Planned Wellpath Report

Three Rivers 4-38T-820 PWP

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**REFERENCE WELLPATH IDENTIFICATION**

Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 4-38T-820 (1529' FSL & 2293' FEL)
Area	Three Rivers	Well	Three Rivers 4-38T-820
Field	UINTAH COUNTY	Wellbore	Three Rivers 4-38T-820 PWB
Facility	Sec.04-T8S-R20E		

**WELLPATH DATA (84 stations) † = interpolated/extrapolated station**

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	153.919	0.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	
13.00	0.000	153.919	13.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	
113.00†	0.000	153.919	113.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	
120.00†	0.000	153.919	120.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	Base Gravel
213.00†	0.000	153.919	213.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	
313.00†	0.000	153.919	313.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	
413.00†	0.000	153.919	413.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	
513.00†	0.000	153.919	513.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	
613.00†	0.000	153.919	613.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	
713.00†	0.000	153.919	713.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	
813.00†	0.000	153.919	813.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	
913.00†	0.000	153.919	913.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	
1000.00	0.000	153.919	1000.00	0.00	0.00	0.00	40°08'54.890°N	109°40'20.370°W	0.00	
1013.00†	0.260	153.919	1013.00	0.03	-0.03	0.01	40°08'54.890°N	109°40'20.370°W	2.00	
1113.00†	2.260	153.919	1112.97	2.23	-2.00	0.98	40°08'54.870°N	109°40'20.357°W	2.00	
1213.00†	4.260	153.919	1212.80	7.91	-7.11	3.48	40°08'54.820°N	109°40'20.325°W	2.00	
1300.55†	6.011	153.919	1300.00	15.75	-14.15	6.92	40°08'54.750°N	109°40'20.281°W	2.00	BMSW
1313.00†	6.260	153.919	1312.38	17.08	-15.34	7.51	40°08'54.738°N	109°40'20.273°W	2.00	
1413.00†	8.260	153.919	1411.57	29.72	-26.69	13.07	40°08'54.626°N	109°40'20.202°W	2.00	
1513.00†	10.260	153.919	1510.26	45.81	-41.14	20.14	40°08'54.483°N	109°40'20.111°W	2.00	
1613.00†	12.260	153.919	1608.33	65.33	-58.68	28.72	40°08'54.310°N	109°40'20.000°W	2.00	
1713.00†	14.260	153.919	1705.66	88.27	-79.28	38.81	40°08'54.107°N	109°40'19.870°W	2.00	
1813.00†	16.260	153.919	1802.13	114.59	-102.92	50.38	40°08'53.873°N	109°40'19.721°W	2.00	
1913.00†	18.260	153.919	1897.62	144.26	-129.57	63.42	40°08'53.610°N	109°40'19.553°W	2.00	
2013.00†	20.260	153.919	1992.02	177.24	-159.19	77.92	40°08'53.317°N	109°40'19.367°W	2.00	
2113.00†	22.260	153.919	2085.21	213.50	-191.76	93.86	40°08'52.995°N	109°40'19.161°W	2.00	
2213.00†	24.260	153.919	2177.08	252.99	-227.23	111.22	40°08'52.645°N	109°40'18.938°W	2.00	
2313.00†	26.260	153.919	2267.51	295.66	-265.55	129.98	40°08'52.266°N	109°40'18.696°W	2.00	
2351.81	27.036	153.919	2302.20	313.06	-281.19	137.64	40°08'52.111°N	109°40'18.598°W	2.00	
2413.00†	27.036	153.919	2356.70	340.88	-306.17	149.87	40°08'51.864°N	109°40'18.440°W	0.00	
2513.00†	27.036	153.919	2445.77	386.33	-347.00	169.85	40°08'51.461°N	109°40'18.183°W	0.00	
2613.00†	27.036	153.919	2534.85	431.79	-387.82	189.83	40°08'51.058°N	109°40'17.925°W	0.00	
2713.00†	27.036	153.919	2623.92	477.25	-428.65	209.82	40°08'50.654°N	109°40'17.668°W	0.00	
2813.00†	27.036	153.919	2712.99	522.70	-469.48	229.80	40°08'50.251°N	109°40'17.411°W	0.00	
2843.32†	27.036	153.919	2740.00	536.48	-481.86	235.86	40°08'50.128°N	109°40'17.333°W	0.00	Green River Top
2913.00†	27.036	153.919	2802.06	568.16	-510.30	249.79	40°08'49.847°N	109°40'17.153°W	0.00	
3013.00†	27.036	153.919	2891.13	613.61	-551.13	269.77	40°08'49.444°N	109°40'16.896°W	0.00	
3113.00†	27.036	153.919	2980.21	659.07	-591.96	289.75	40°08'49.040°N	109°40'16.639°W	0.00	
3213.00†	27.036	153.919	3069.28	704.52	-632.78	309.74	40°08'48.637°N	109°40'16.381°W	0.00	
3313.00†	27.036	153.919	3158.35	749.98	-673.61	329.72	40°08'48.233°N	109°40'16.124°W	0.00	
3413.00†	27.036	153.919	3247.42	795.43	-714.44	349.71	40°08'47.830°N	109°40'15.867°W	0.00	
3513.00†	27.036	153.919	3336.49	840.89	-755.26	369.69	40°08'47.426°N	109°40'15.609°W	0.00	
3581.83	27.036	153.919	3397.80	872.17	-783.36	383.45	40°08'47.149°N	109°40'15.432°W	0.00	
3613.00†	26.413	153.919	3425.64	886.19	-795.95	389.61	40°08'47.024°N	109°40'15.353°W	2.00	
3713.00†	24.413	153.919	3515.96	929.10	-834.49	408.47	40°08'46.643°N	109°40'15.110°W	2.00	



### Planned Wellpath Report

Three Rivers 4-38T-820 PWP

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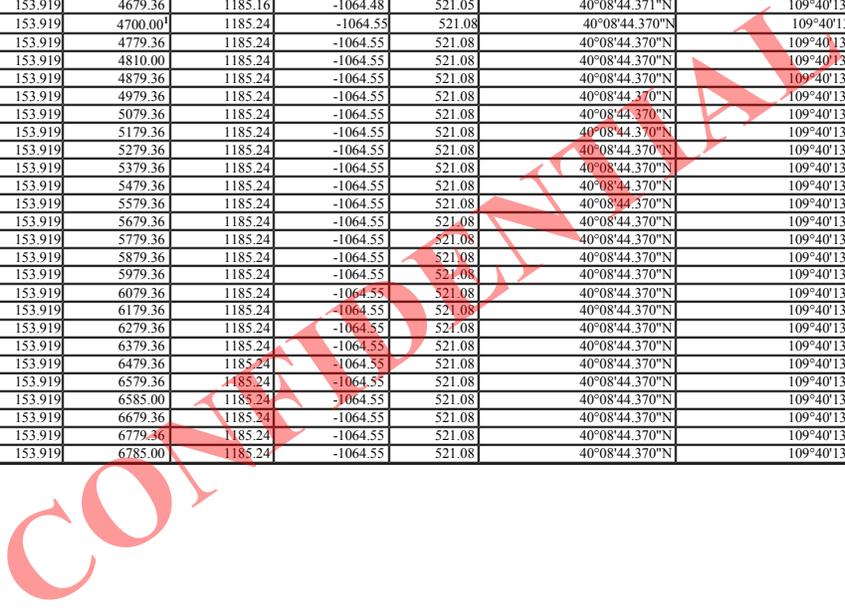


**REFERENCE WELLPATH IDENTIFICATION**

Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 4-38T-820 (1529' FSL & 2293' FEL)
Area	Three Rivers	Well	Three Rivers 4-38T-820
Field	UINTAH COUNTY	Wellbore	Three Rivers 4-38T-820 PWB
Facility	Sec.04-T8S-R20E		

**WELLPATH DATA (84 stations) † = interpolated/extrapolated station**

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
3813.00†	22.413	153.919	3607.72	968.84	-870.18	425.94	40°08'46.291"N	109°40'14.885"W	2.00	
3913.00†	20.413	153.919	3700.82	1005.34	-902.97	441.99	40°08'45.967"N	109°40'14.678"W	2.00	
4013.00†	18.413	153.919	3795.13	1038.58	-932.82	456.60	40°08'45.672"N	109°40'14.490"W	2.00	
4113.00†	16.413	153.919	3890.54	1068.50	-959.70	469.76	40°08'45.406"N	109°40'14.321"W	2.00	
4213.00†	14.413	153.919	3986.94	1095.08	-983.57	481.44	40°08'45.170"N	109°40'14.170"W	2.00	
4293.32†	12.806	153.919	4065.00	1113.98	-1000.54	489.75	40°08'45.003"N	109°40'14.063"W	2.00	Mahogany
4313.00†	12.413	153.919	4084.21	1118.27	-1004.40	491.64	40°08'44.964"N	109°40'14.039"W	2.00	
4413.00†	10.413	153.919	4182.22	1138.06	-1022.17	500.34	40°08'44.789"N	109°40'13.927"W	2.00	
4513.00†	8.413	153.919	4280.87	1154.41	-1036.86	507.53	40°08'44.644"N	109°40'13.835"W	2.00	
4613.00†	6.413	153.919	4380.03	1167.31	-1048.45	513.20	40°08'44.529"N	109°40'13.761"W	2.00	
4713.00†	4.413	153.919	4479.58	1176.75	-1056.92	517.35	40°08'44.445"N	109°40'13.708"W	2.00	
4813.00†	2.413	153.919	4579.40	1182.70	-1062.27	519.97	40°08'44.393"N	109°40'13.674"W	2.00	
4898.64†	0.700	153.919	4665.00	1185.02	-1064.36	520.99	40°08'44.372"N	109°40'13.661"W	2.00	Garden Gulch
4913.00†	0.413	153.919	4679.36	1185.16	-1064.48	521.05	40°08'44.371"N	109°40'13.660"W	2.00	
4933.64	0.000	153.919	4700.00†	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	2.00	
5013.00†	0.000	153.919	4779.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
5043.64†	0.000	153.919	4810.00	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	Lower Green River
5113.00†	0.000	153.919	4879.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
5213.00†	0.000	153.919	4979.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
5313.00†	0.000	153.919	5079.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
5413.00†	0.000	153.919	5179.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
5513.00†	0.000	153.919	5279.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
5613.00†	0.000	153.919	5379.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
5713.00†	0.000	153.919	5479.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
5813.00†	0.000	153.919	5579.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
5913.00†	0.000	153.919	5679.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
6013.00†	0.000	153.919	5779.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
6113.00†	0.000	153.919	5879.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
6213.00†	0.000	153.919	5979.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
6313.00†	0.000	153.919	6079.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
6413.00†	0.000	153.919	6179.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
6513.00†	0.000	153.919	6279.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
6613.00†	0.000	153.919	6379.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
6713.00†	0.000	153.919	6479.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
6813.00†	0.000	153.919	6579.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
6818.64†	0.000	153.919	6585.00	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	Wasatch
6913.00†	0.000	153.919	6679.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
7013.00†	0.000	153.919	6779.36	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	
7018.64	0.000	153.919	6785.00	1185.24	-1064.55	521.08	40°08'44.370"N	109°40'13.660"W	0.00	TD





### Planned Wellpath Report

Three Rivers 4-38T-820 PWP

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**REFERENCE WELLPATH IDENTIFICATION**

Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 4-38T-820 (1529' FSL & 2293' FEL)
Area	Three Rivers	Well	Three Rivers 4-38T-820
Field	UINTAH COUNTY	Wellbore	Three Rivers 4-38T-820 PWB
Facility	Sec.04-T8S-R20E		

**HOLE & CASING SECTIONS - Ref Wellbore: Three Rivers 4-38T-820 PWB Ref Wellpath: Three Rivers 4-38T-820 PWP**

String/Diameter	Start MD [ft]	End MD [ft]	Interval [ft]	Start TVD [ft]	End TVD [ft]	Start N/S [ft]	Start E/W [ft]	End N/S [ft]	End E/W [ft]
16in Conductor	13.00	120.00	107.00	13.00	120.00	0.00	0.00	0.00	0.00
12.25in Open Hole	120.00	1000.00	880.00	120.00	1000.00	0.00	0.00	0.00	0.00
8.625in Casing Surface	13.00	1000.00	987.00	13.00	1000.00	0.00	0.00	0.00	0.00
7.875in Open Hole	1000.00	7018.64	6018.64	1000.00	6785.00	0.00	0.00	-1064.55	521.08
5.5in Casing Production	13.00	7018.64	7005.64	13.00	6785.00	0.00	0.00	-1064.55	521.08

**TARGETS**

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
1) Three Rivers 4-38T-820 Target On Plat 460' FSL & 1780' FEL	4933.64	4700.00	-1064.55	521.08	2151815.13	7227011.16	40°08'44.370"N	109°40'13.660"W	point

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## Planned Wellpath Report

Three Rivers 4-38T-820 PWP

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### REFERENCE WELLPATH IDENTIFICATION

Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 4-38T-820 (1529' FSL & 2293' FEL)
Area	Three Rivers	Well	Three Rivers 4-38T-820
Field	UINTAH COUNTY	Wellbore	Three Rivers 4-38T-820 PWB
Facility	Sec.04-T8S-R20E		

### WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
120.00	0.000	153.919	120.00	Base Gravel
1300.55	6.011	153.919	1300.00	BMSW
2843.32	27.036	153.919	2740.00	Green River Top
4293.32	12.806	153.919	4065.00	Mahogany
4898.64	0.700	153.919	4665.00	Garden Gulch
5043.64	0.000	153.919	4810.00	Lower Green River
6818.64	0.000	153.919	6585.00	Wasatch
7018.64	0.000	153.919	6785.00	TD

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**AFFIDAVIT OF SURFACE OWNERSHIP**

I, *Ned Higgins*, Affiant, being duly sworn, depose and say:

THAT, I am a Senior Landman, for *Ultra Resources, Inc.*, a Wyoming corporation authorized to do business in Utah (hereinafter referred to as "Ultra"), whose address is 304 Inverness Way South, Suite 295, Englewood, Colorado 80112 and that Ultra operates and manages oil and gas interests in the State of Utah including the lands in Uintah County, Utah described herein below ("Lands"):

*See Exhibit "A" attached hereto for a description of the Lands*

WHEREAS, UPL Three Rivers Holdings, LLC ("Three Rivers"), whose address is 304 Inverness Way South, Suite 295, Englewood, Colorado 80112, purchased the surface estate in and to the lands described herein above as reflected in that certain Warranty Deed dated May 1<sup>st</sup>, 2014 and recorded at Book 1378, Page 940 of the Uintah County Clerk and Recorders Office Official records and;

WHEREAS, Ultra and Three Rivers are both wholly owned subsidiaries of Ultra Petroleum Corp. and Ultra is operating on behalf of Three Rivers;

THEREFORE, Ultra is filing this Affidavit in the Records of Uintah County, Utah to provide notice to the public and all concerned parties so that any inquires or emergencies that may occur which require immediate notification and attention by Ultra should be directed to:

Ultra Resources, Inc.  
304 Inverness Way South, Suite 295  
Englewood, Colorado 80112  
Main Phone: 303-708-9740  
Emergency Phone: 1-800-770-9210

FURTHER Affiant sayeth not.

Subscribed and sworn to this the 9<sup>th</sup> day of May, 2014.

*Ned Higgins*  
Ultra Resources, Inc. - Senior Landman

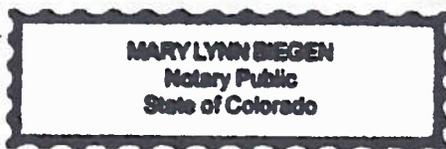
STATE OF COLORADO )  
  ) :ss  
COUNTY OF DOUGLAS )

The foregoing Affidavit of Surface Ownership was acknowledged before me by Ned Higgins as Senior Landman of Ultra Resources, Inc., on this 9<sup>th</sup> day of May, 2014.

WITNESS my hand and official seal.

My Commission Expires:

3/3/15



*Mary Lynn Siegen*

NOTARY PUBLIC

CONFIDENTIAL

## EXHIBIT A

### Description of Lands

Parcel #1

Section 4, Township 8 South, Range 20 East, Salt Lake Meridian:

The East half of the Southeast Quarter of the Northwest Quarter; and the Southwest Quarter of the Northeast Quarter.

Serial No. 09:003:0001

Parcel #2

Beginning at a point which is 20 rods East of center of Section 4, Township 8 South, Range 20 East, Salt Lake Meridian; running thence South 80 rods; thence East 121.29 feet; thence North 238.71 feet; thence East 208.71 feet; thence North 1081.29 feet; thence West 20 rods to the point of beginning.

Serial No. 09:003:0016

Parcel #3

Beginning at the Northwest corner of the Northeast Quarter of the Southwest Quarter of Section 4, Township 8 South, Range 20 East, Salt Lake Base and Meridian and running thence South 80 rods; thence East 100 rods; thence North 80 rods; thence West 100 rods to the point of beginning.

Serial No. 09:003:0005

Parcel #4

Section 4, Township 8 South, Range 20 East, Salt Lake Base and Meridian:

The West half of the Southeast Quarter of the Northwest Quarter.

Serial No. 09:003:0014

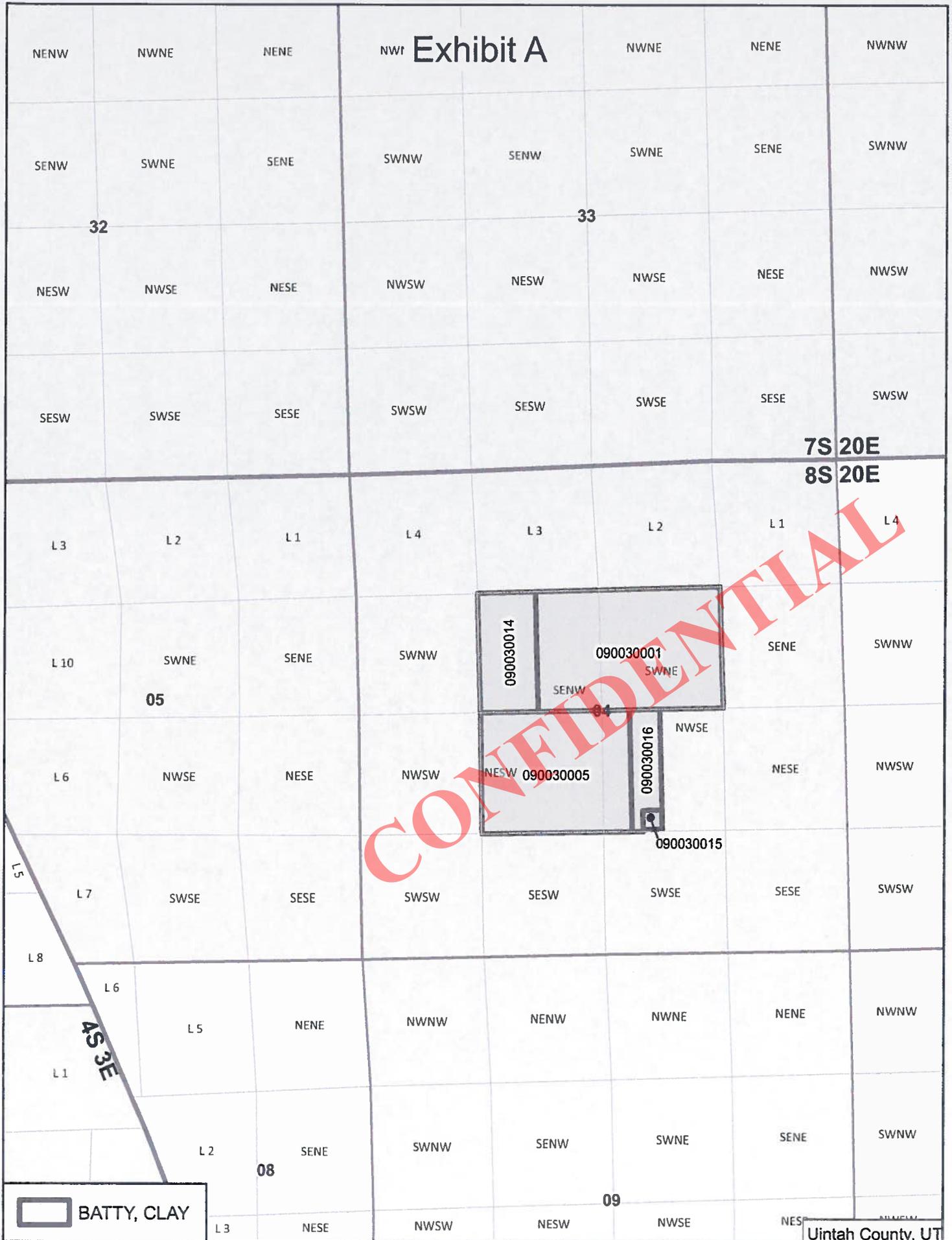
Parcel #5

Beginning at a point 660 feet East and 30 feet North of the Southwest corner of the Northwest quarter of the Southeast quarter of Section 4, Township 8 South, Range 20 East, Salt Lake Meridian; thence North 208.71 feet; thence West 208.71 feet; thence South 208.71 feet; thence East 208.71 feet to the point of beginning.

Serial No. 09:003:0015

CONFIDENTIAL

# Exhibit A



7S 20E

8S 20E

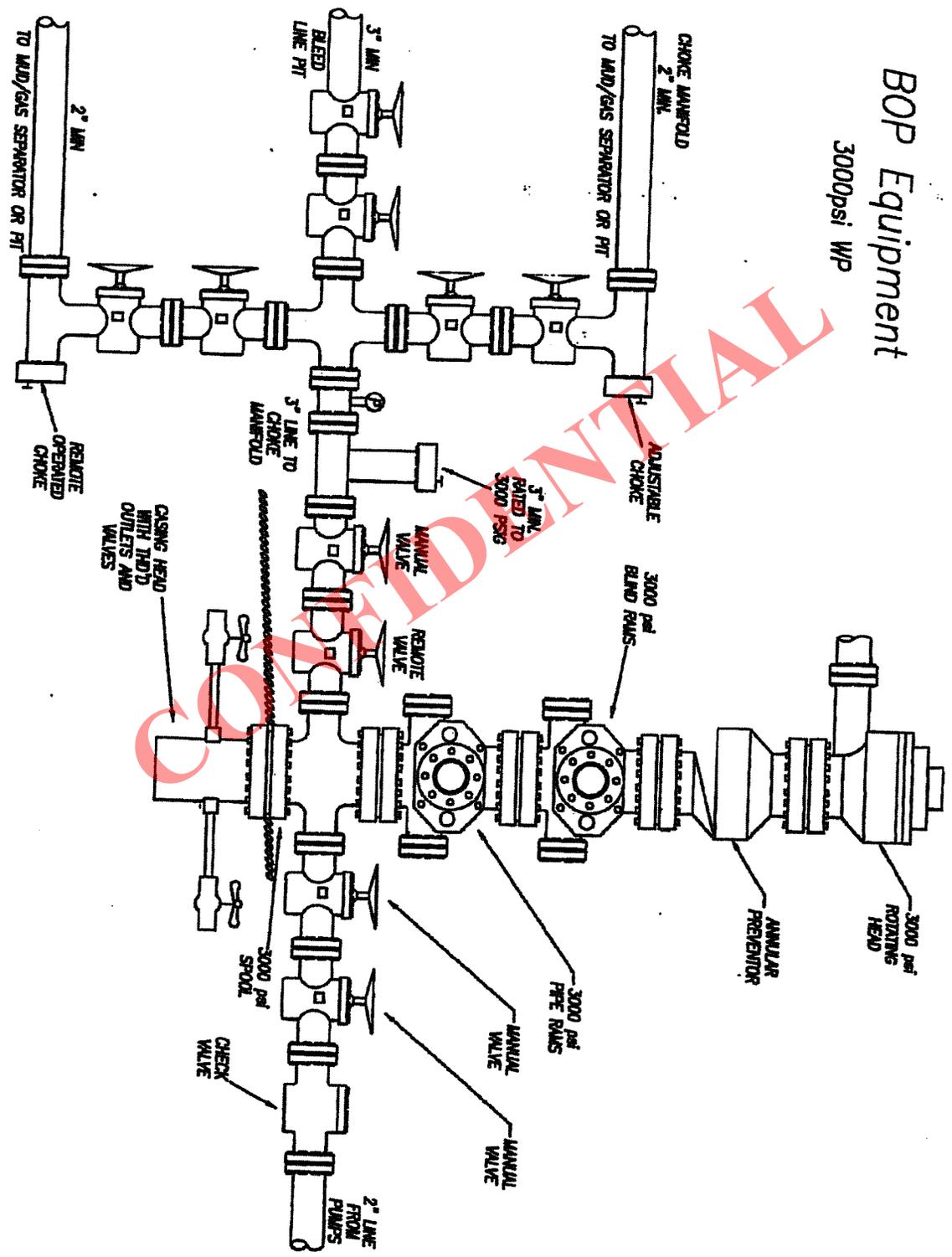
**CONFIDENTIAL**

15  
L 7  
L 8  
L 6  
L 5  
L 1  
L 2  
L 3

43 3/4 E

 BATTY, CLAY

# BOP Equipment 3000psi WP





# Ultra Resources, Inc.

---

May 13, 2014

Mr. Dustin Doucet  
Utah Division of Oil, Gas & Mining  
1594 West North Temple  
Salt Lake City, Utah 84116

RE: **Directional Drilling – Docket No. 2013-030 / Cause No. 270-02**  
Three Rivers 4-38T-820  
SHL: 1529' FSL, 2293' FEL, NWSE, Sec 4, T8S, R20E  
BHL: 460' FSL, 1780' FEL, SWSE, Sec 4, T8S, R20E  
SLB&M, Uintah County, UT

Mr. Doucet:

Ultra Resources, Inc. ("Ultra") respectfully submits the below specifics concerning the proposed directional drilling of the subject well:

- Ultra is the sole owner of 100% of the leasehold rights with respect to all tracts within 460' around the full wellbore path of the proposed directional well.
- There are no unleased mineral interests with respect to all tracts within 460' around the full wellbore path of the proposed directional well.
- The anticipated points of intersection with the objective (spaced) formation and the anticipated productive interval are within the established setbacks.
- The bottom hole location is within the established setbacks.
- The directional drilling of the well is proposed to limit surface disturbance within the project and affected surface owners.

Therefore, based on the above stated information, Ultra requests the permit be granted pursuant to Cause No. 270-02.

Thank you in advance for your consideration. Please feel free to contact me at 303-645-9810 if you have any questions or comments.

Sincerely,

Debbie Ghani  
Sr. Permitting Specialist

304 Inverness Way South, Suite 295, Englewood, CO 80112  
Telephone 303-708-9740 Facsimile 303-708-9748

RECEIVED: May 13, 2014

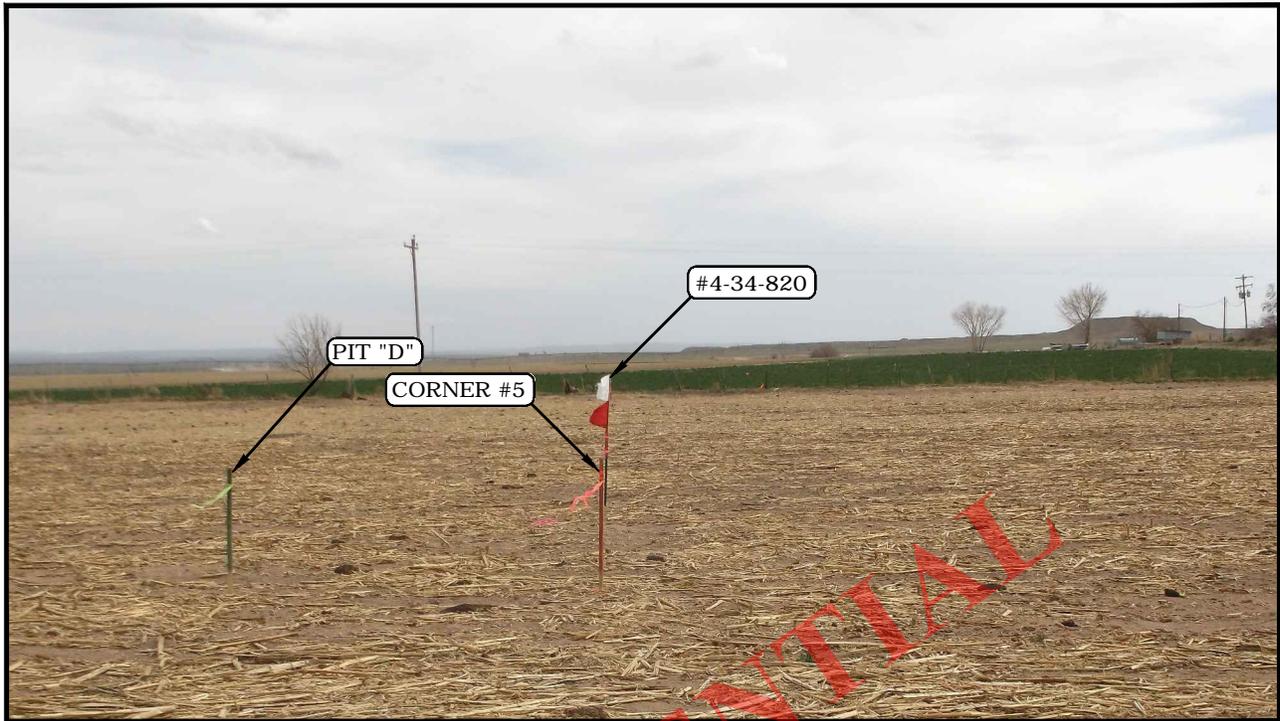


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY

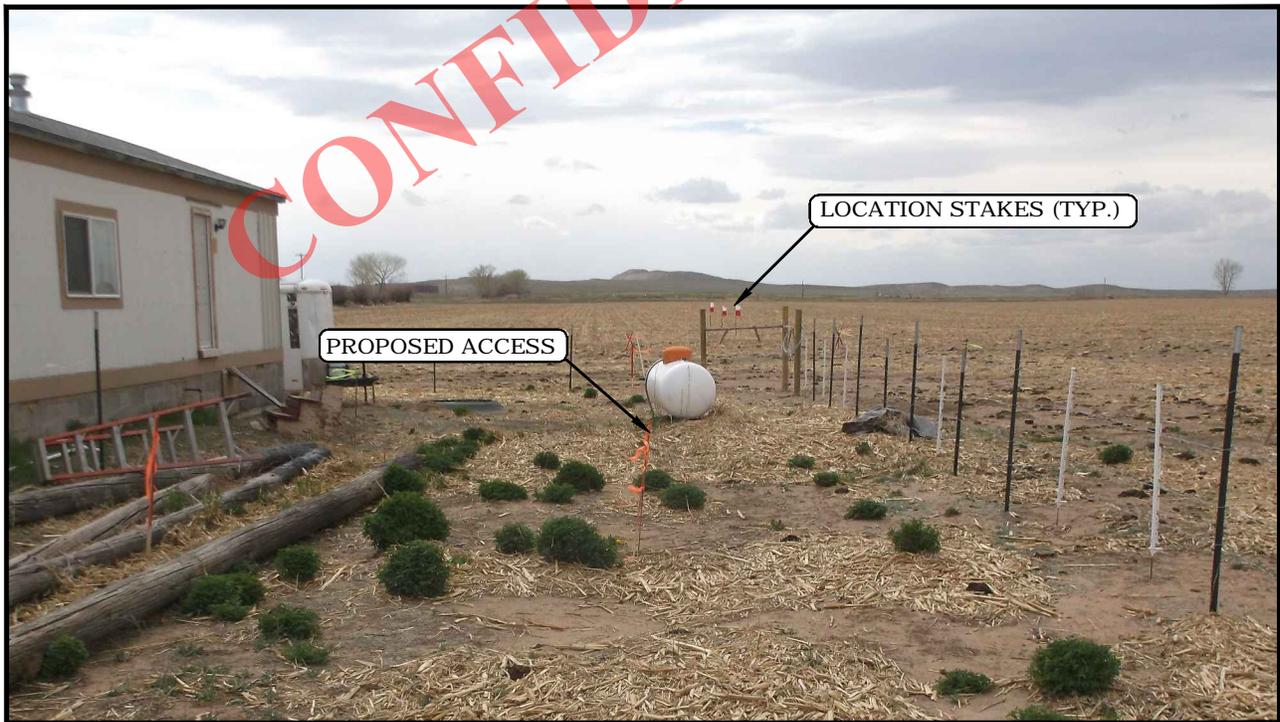


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY

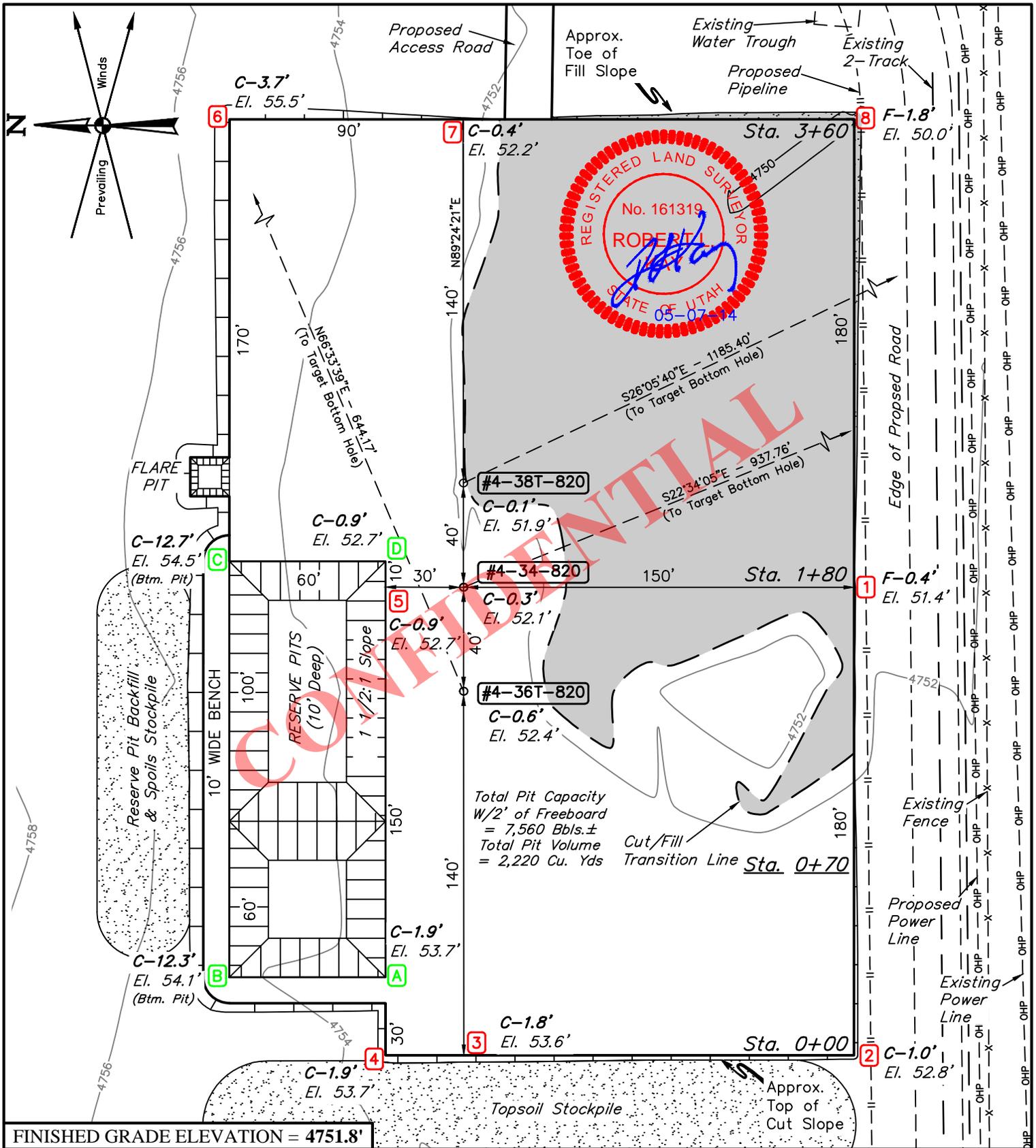
**ULTRA RESOURCES, INC.**

**THREE RIVERS #4-36T-820, #4-34-820 & #4-38T-820  
SECTION 4, T8S, R20E, S.L.B&M.  
NW 1/4 SE 1/4**



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017

DRAWN BY: J.M.C.	DATE DRAWN: 05-06-14
TAKEN BY: B.H.	REV: 00-00-00
<b>LOCATION PHOTOS</b>	<b>PHOTO</b>



FINISHED GRADE ELEVATION = 4751.8'

- NOTES:**
- Flare pit is to be located a min. of 100' from the wellhead.
  - Contours shown at 2' intervals.
  - Underground utilities shown on this sheet are for visualization purposes only, actual locations to be determined prior to construction.

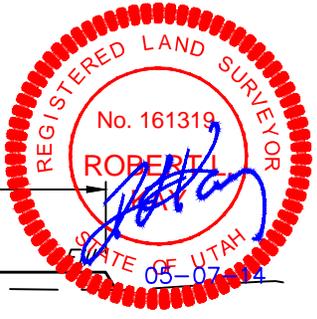
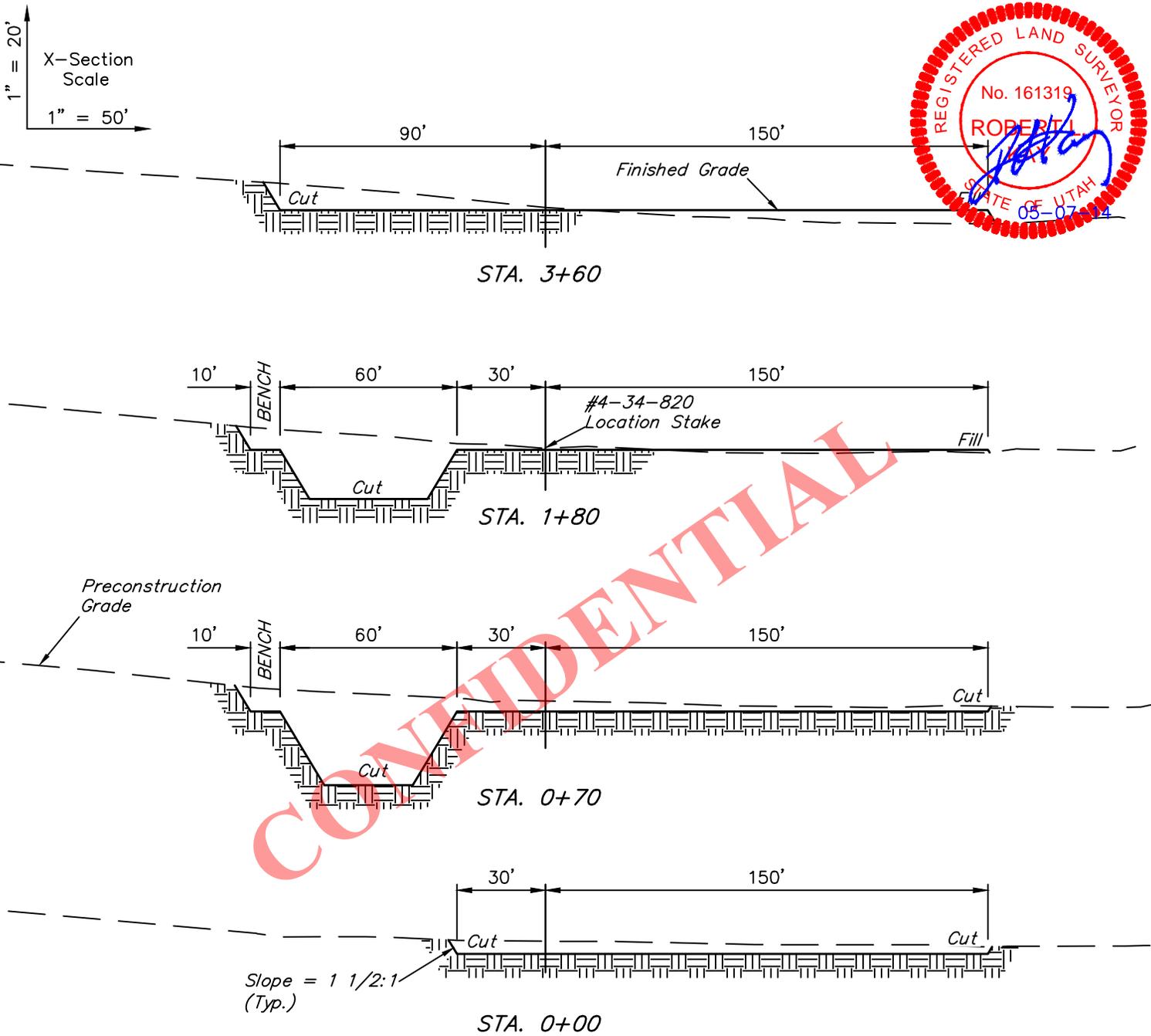
**ULTRA RESOURCES, INC.**

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SECTION 4, T8S, R20E, S.L.B.&M.  
NW 1/4 SE 1/4**



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DRAWN BY: H.W.	SCALE: 1" = 50'
DATE DRAWN: 04-30-14	REVISED: 00-00-00
<b>LOCATION LAYOUT</b>	<b>FIGURE #1</b>



APPROXIMATE EARTHWORK QUANTITIES	
(12") TOPSOIL STRIPPING	3,370 Cu. Yds.
REMAINING LOCATION	3,590 Cu. Yds.
<b>TOTAL CUT</b>	<b>6,960 Cu. Yds.</b>
<b>FILL</b>	<b>2,480 Cu. Yds.</b>
EXCESS MATERIAL	4,480 Cu. Yds.
TOPSOIL & PIT BACKFILL (1/2 Pit Vol.)	4,480 Cu. Yds.
<b>EXCESS UNBALANCE</b> (After Interim Rehabilitation)	<b>0 Cu. Yds.</b>

APPROXIMATE SURFACE DISTURBANCE AREAS		
	DISTANCE	ACRES
WELL SITE DISTURBANCE	NA	±3.352
30' WIDE ACCESS ROAD R-O-W DISTURBANCE	±103.77'	±0.071
30' WIDE PIPELINE R-O-W DISTURBANCE	±86.63'	±0.060
30' WIDE POWER LINE R-O-W DISTURBANCE	±127.80'	±0.088
<b>TOTAL SURFACE USE AREA</b>	<b>±318.20'</b>	<b>±3.571</b>

**NOTES:**

- Fill quantity includes 5% for compaction.
- Calculations based on 12" of topsoil stripping.
- Topsoil should not be stripped below finished grade on substructure area.

**ULTRA RESOURCES, INC.**

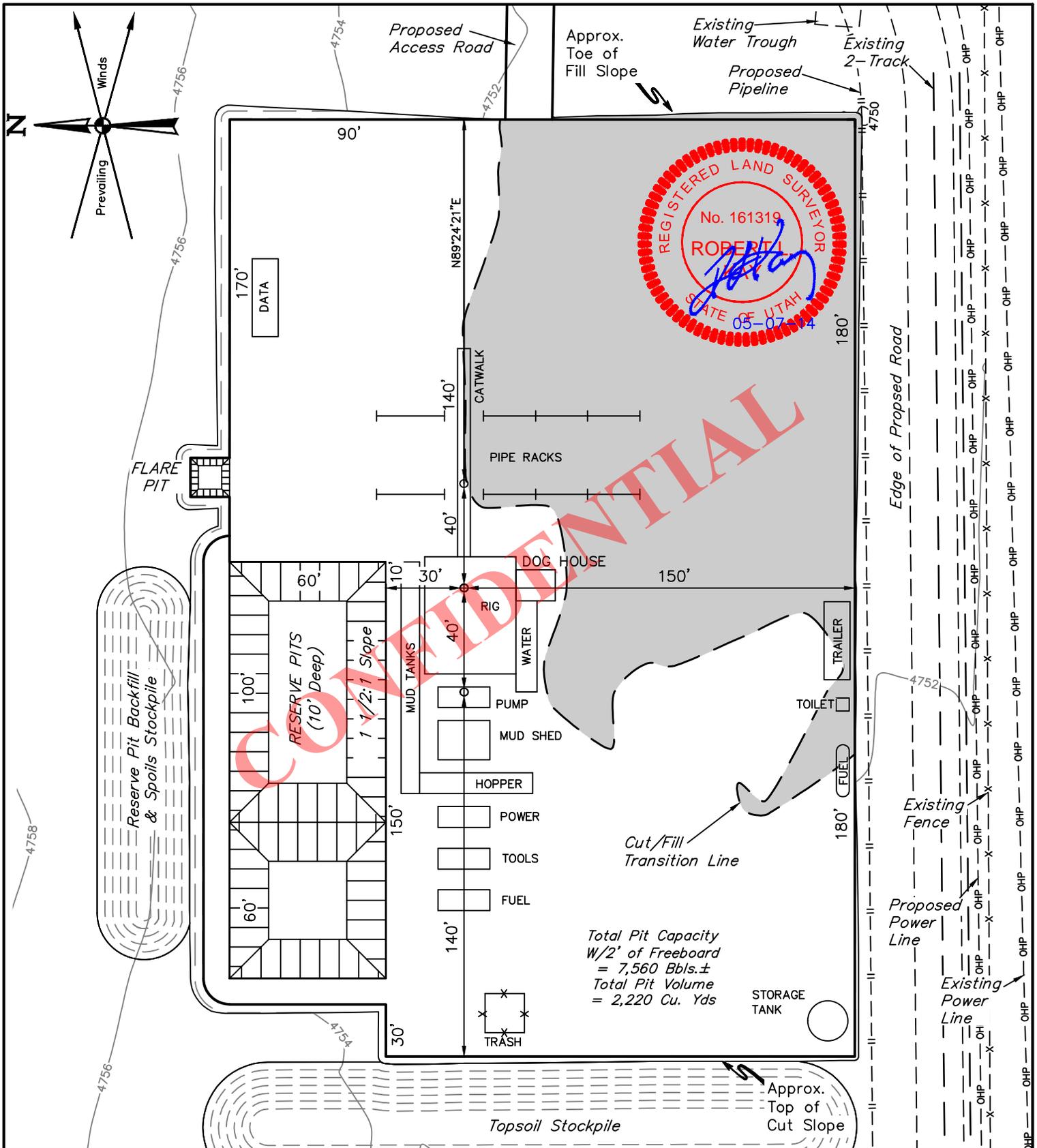
**THREE RIVERS #4-36T-820, #4-34-820 & #4-38T-820  
SECTION 4, T8S, R20E, S.L.B.&M.  
NW 1/4 SE 1/4**



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DRAWN BY: H.W.	SCALE: AS SHOWN
DATE DRAWN: 04-30-14	REVISED: 00-00-00

**TYPICAL CROSS SECTIONS | FIGURE #2**



Total Pit Capacity  
W/2' of Freeboard  
= 7,560 Bbbls.±  
Total Pit Volume  
= 2,220 Cu. Yds

**NOTES:**

- Flare pit is to be located a min. of 100' from the wellhead.
- Contours shown at 2' intervals.

**ULTRA RESOURCES, INC.**

**THREE RIVERS #4-36T-820, #4-34-820 & #4-38T-820  
SECTION 4, T8S, R20E, S.L.B.&M.  
NW 1/4 SE 1/4**



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DRAWN BY: H.W.	SCALE: 1" = 50'
DATE DRAWN: 04-30-14	REVISED: 00-00-00
<b>TYPICAL RIG LAYOUT</b>	
<b>FIGURE #3</b>	

NW 1/4

NE 1/4

**ULTRA RESOURCES, INC.**  
**LOCATION SURFACE USE AREA & ROAD RIGHT-OF-WAY ON FEE LANDS**  
 (FOR THREE RIVERS #4-36T-820, #4-34-820, & #4-38T-820)  
 LOCATED IN SECTION 4, T8S, R20E, S.L.B.&M. UTAH COUNTY, UTAH  
 BASIS OF BEARINGS  
 BASIS OF BEARINGS IS A G.P.S. OBSERVATION

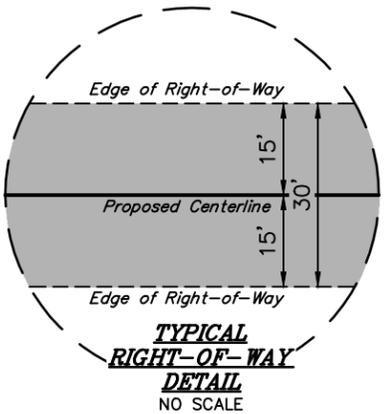
BEGINNING OF ROAD STA. 0+00 BEARS S30°55'34"W 1346.37' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SECTION 4, T8S, R20E, S.L.B.&M.  
 END OF ROAD STA. 1+03.77 BEARS S34°34'46"W 1402.00' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF THE NW 1/4 SW 1/4 OF SECTION 4, T8S, R20E, S.L.B.&M.

Proposed Three Rivers #4-23-820 Well Pad (3.280 Ac.)  
**SURFACE USE AREA THREE RIVERS #4-36T-820, #4-34-820 & #4-38T-820**  
 Contains 3.352 Acres

**CLAY L & ROSEANNA BATTY**

END OF PROPOSED ROAD RIGHT-OF-WAY STA. 1+03.77 (At Edge of Surface Use Area)

BEGINNING OF PROPOSED ROAD RIGHT-OF-WAY STA. 0+00 (At Proposed Access Road for the Three Rivers #4-23-820 Wells Pad)



Section Line  
E 1/4 Cor. Sec. 4 Found Nail  
300' 150' 0' 300'  
500'27'22"E - 2652.40' (Meas.)

**LEGEND:**

- P.I. = POINT OF INTERSECTION
- P.O.P.L. = POINT ON PROPERTY LINE
- ▲ = SECTION CORNERS LOCATED.

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
CLAY L. & ROSEANNA BATTY	103.77	0.071	6.29

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N89°38'56"W	103.77'
L2	N89°43'04"W	29.33'
L3	N00°05'43"W	123.94'
L4	N53°43'06"E	34.91'
L5	N88°49'14"E	436.66'
L6	S00°41'42"E	280.74'
L7	S63°35'56"W	136.07'
L8	S89°20'22"W	135.26'
L9	N62°38'10"W	98.15'
L10	S89°04'48"W	123.38'
L11	N00°05'43"W	146.07'

SW 1/4

SE 1/4

**SURFACE USE AREA DESCRIPTION**

BEGINNING AT A POINT IN THE NW 1/4 SE 1/4 OF SECTION 4, T8S, R20E, S.L.B.&M., WHICH BEARS S34°34'46"W 1402.00' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SAID SECTION 4, THENCE N89°43'04"W 29.33'; THENCE N00°05'43"W 123.94'; THENCE N53°43'06"E 34.91'; THENCE N88°49'14"E 436.66'; THENCE S00°41'42"E 280.74'; THENCE S63°35'56"W 136.07'; THENCE S89°20'22"W 135.26'; THENCE N62°38'10"W 98.15'; THENCE S89°04'48"W 123.38'; THENCE N00°05'43"W 146.07' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 3.352 ACRES MORE OR LESS.

**ROAD RIGHT-OF-WAY DESCRIPTION ON CLAY L. & ROSEANNA BATTY LANDS**

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 SE 1/4 OF SECTION 4, T8S, R20E, S.L.B.&M., WHICH BEARS S30°55'34"W 1346.37' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SAID SECTION 4, THENCE N89°38'56"W 103.77' TO A POINT IN THE NW 1/4 SE 1/4 OF SAID SECTION 4, WHICH BEARS S34°34'46"W 1402.00' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SAID SECTION 4. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.071 ACRES MORE OR LESS.

NOTE: PROPERTY LINES SHOWN HAVE BEEN RE-ESTABLISHED FROM COUNTY RECORDS AND HAVE NOT BEEN SURVEYED BY UTAH ENGINEERING AND LAND SURVEY. UELS DOES NOT WARRANT PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**CERTIFICATE**  
 THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.  
**ROBERT L. KATON**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 16319  
 STATE OF UTAH 05-01-14

**UENTAH** ENGINEERING & LAND SURVEYING  
**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017

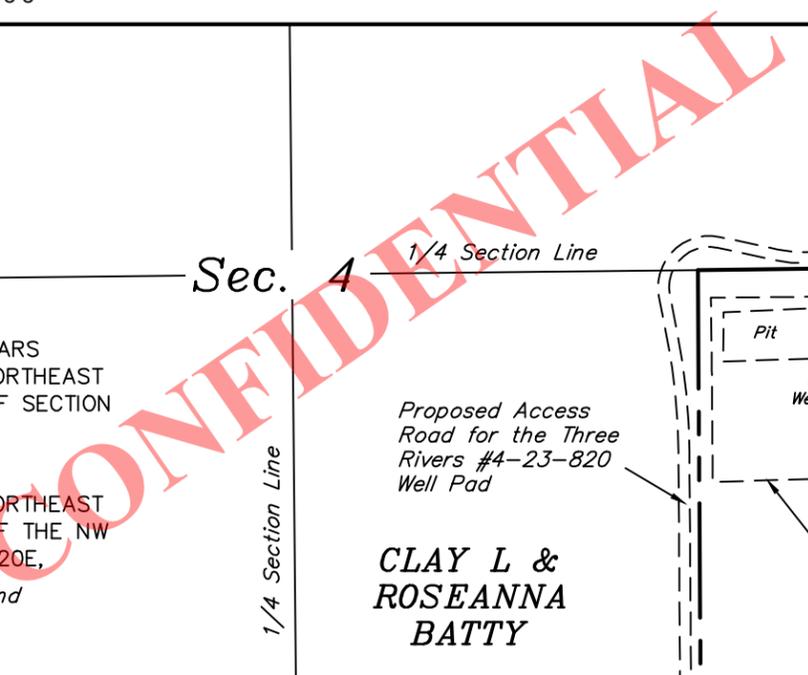
SURVEYED BY: M.P. T.P.	SCALE: 1" = 300'	DRAWN BY: H.W.
DATE: 04-22-14	FILE: 56545	DATE: 05-01-14

**ACCESS ROAD RIGHT-OF-WAY PLAT**

SW Cor. Sec. 4  
2011 Alum. Cap  
0.2' High

SE Cor. Sec. 4  
Alum. Cap

S89°29'04"W - 5279.27' (Meas.) Section Line



NW 1/4

NE 1/4

Sec. 4

**ULTRA RESOURCES, INC.**  
**PIPELINE RIGHT-OF-WAY ON FEE LANDS**

(FOR THREE RIVERS #4-36T-820, #4-34-820, & #4-38T-820)

LOCATED IN SECTION 4, T8S, R20E, S.L.B.&M. UTAH COUNTY, UTAH

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

BEGINNING OF PIPELINE STA. 0+00 BEARS S35°10'38"W 1381.25' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SECTION 4, T8S, R20E, S.L.B.&M.

END OF PIPELINE STA. 0+86.63 BEARS S32°08'57"W 1332.62' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF THE NW 1/4 SW 1/4 OF SECTION 4, T8S, R20E, S.L.B.&M.

Existing Underground Pipeline

Proposed Three Rivers #4-23-820 Well Pad (3.280 Ac)

**SURFACE USE AREA**  
 THREE RIVERS #4-36T-820, #4-34-820 & #4-38T-820

SW 1/4

SE 1/4

Existing Fence

Existing Power Line

END OF PROPOSED PIPELINE RIGHT-OF-WAY STA. 0+86.63 (At Proposed Pipeline for the Three Rivers #4-23-820 Well Pad)

**PIPELINE RIGHT-OF-WAY DESCRIPTION ON CLAY L. & ROSEANNA BATTY LANDS**

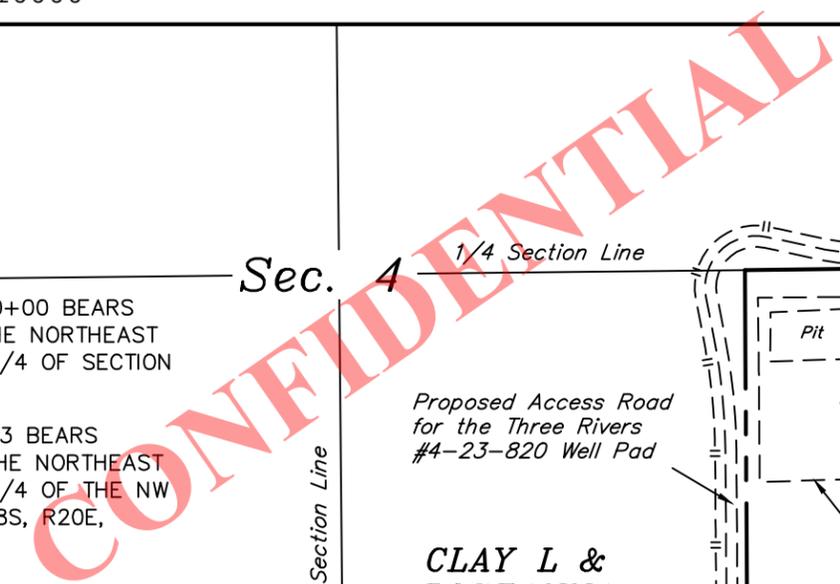
A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 SE 1/4 OF SECTION 4, T8S, R20E, S.L.B.&M., WHICH BEARS S35°10'38"W 1381.25' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SAID SECTION 4, THENCE N89°31'30"E 86.63' TO A POINT IN THE NW 1/4 SE 1/4 OF SAID SECTION 4, WHICH BEARS S32°08'57"W 1332.62' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SAID SECTION 4. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.060 ACRES MORE OR LESS.

SW Cor. Sec. 4  
 2011 Alum. Cap  
 0.2' High

SE Cor. Sec. 4  
 Alum. Cap

S89°29'04"W - 5279.27' (Meas.) Section Line



**CLAY L & ROSEANNA BATTY**

Proposed Access Road for the Three Rivers #4-23-820 Well Pad

Proposed Pipeline for the Three Rivers #4-23-820 Well Pad

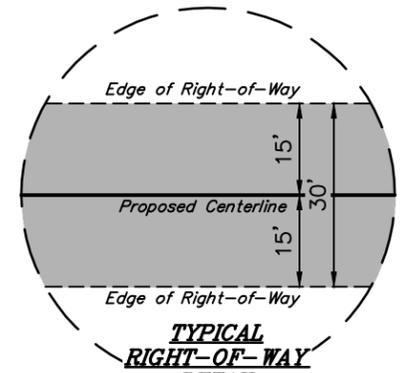
Existing Three Rivers #4-33-820 Well Pad

Proposed Three Rivers #4-43-820 Well Pad (Approx. ±4 Ac.)

Existing Road

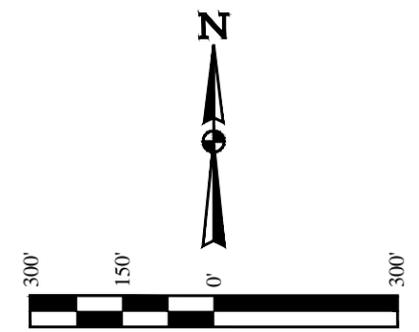
S89°25'54"W - 1318.70' (Meas.)

E 1/4 Cor. Sec. 4 Found Nail



LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N89°31'30"E	29.56'
L2	N89°31'30"E	86.63'

Section Line  
 500°27'22"E - 2652.40' (Meas.)



**LEGEND:**  
 P.I. = POINT OF INTERSECTION  
 P.O.P.L. = POINT ON PROPERTY LINE  
 ▲ = SECTION CORNERS LOCATED.

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
CLAY L. & ROSEANNA BATTY	86.63	0.060	5.25

NOTE: PROPERTY LINES SHOWN HAVE BEEN RE-ESTABLISHED FROM COUNTY RECORDS AND HAVE NOT BEEN SURVEYED BY UTAH ENGINEERING AND LAND SURVEY. UELS DOES NOT WARRANT PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

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**ROBERT L. KATON**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 16319  
 STATE OF UTAH 05-01-14



**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017

SURVEYED BY: M.P. T.P.	SCALE: 1" = 300'	DRAWN BY: H.W.
DATE: 04-22-14	FILE: 56547	DATE: 05-01-14

**PIPELINE RIGHT-OF-WAY PLAT**

NW 1/4

NE 1/4

Sec. 4

**ULTRA RESOURCES, INC.**  
**POWER LINE RIGHT-OF-WAY ON FEE LANDS**

(FOR THREE RIVERS #4-36T-820, #4-34-820, & #4-38T-820)

LOCATED IN SECTION 4, T8S, R20E, S.L.B.&M. UTAH COUNTY, UTAH

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

BEGINNING OF POWER LINE STA. 0+00 BEARS S29°36'48"W 1351.66' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SECTION 4, T8S, R20E, S.L.B.&M.

END OF POWER LINE STA. 1+27.79 BEARS S34°01'37"W 1421.90' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF THE NW 1/4 SW 1/4 OF SECTION 4, T8S, R20E, S.L.B.&M.

Proposed Access Road for the Three Rivers #4-23-820 Well Pad

**CLAY L & ROSEANNA BATTY**

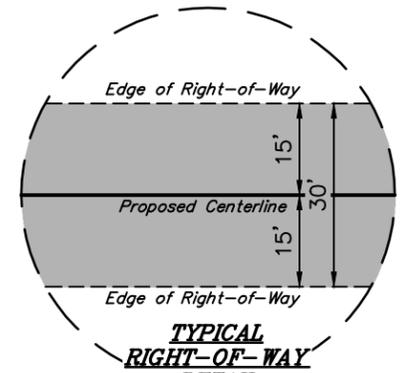
Existing Three Rivers #4-33-820 Well Pad

Proposed Power Line for the Three Rivers #4-23-820 Well Pad

END OF PROPOSED POWER LINE RIGHT-OF-WAY STA. 1+03.77 (At Edge of Surface Use Area)

Proposed Three Rivers #4-23-820 Well Pad (3.280 Ac)

**SURFACE USE AREA THREE RIVERS #4-36T-820, #4-34-820 & #4-38T-820**



**LEGEND:**

- P.I. = POINT OF INTERSECTION
- P.O.P.L. = POINT ON PROPERTY LINE
- ▲ = SECTION CORNERS LOCATED.

**RIGHT-OF-WAY LENGTHS**

PROPERTY OWNER	FEET	ACRES	RODS
CLAY L. & ROSEANNA BATTY	127.79	0.088	7.74

**LINE TABLE**

LINE	DIRECTION	LENGTH
L1	S88°30'38"W	127.79'
L2	S88°30'38"W	29.09'

NOTE: PROPERTY LINES SHOWN HAVE BEEN RE-ESTABLISHED FROM COUNTY RECORDS AND HAVE NOT BEEN SURVEYED BY UTAH ENGINEERING AND LAND SURVEY. UELS DOES NOT WARRANT PROPERTY PARCEL DATA OR ANY ASSOCIATED INFORMATION. A PROPERTY SURVEY IS REQUIRED TO DETERMINE THE ACTUAL LOCATION OF PROPERTY LINES AND SHOW ACCURATE DISTANCES ACROSS PARCELS.

**POWER LINE RIGHT-OF-WAY DESCRIPTION ON CLAY L. & ROSEANNA BATTY LANDS**

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.

BEGINNING AT A POINT IN THE NW 1/4 SE 1/4 OF SECTION 4, T8S, R20E, S.L.B.&M., WHICH BEARS S29°36'48"W 1351.66' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SAID SECTION 4, THENCE N88°30'38"W 127.79' TO A POINT IN THE NW 1/4 SE 1/4 OF SAID SECTION 4, WHICH BEARS S34°01'37"W 1421.90' FROM THE NORTHEAST CORNER OF THE NW 1/4 SE 1/4 OF SAID SECTION 4. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.088 ACRES MORE OR LESS.

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**ROBERT L. KATON**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 16319  
 STATE OF UTAH 05-01-14



**UELS, LLC**  
 Corporate Office \* 85 South 200 East  
 Vernal, UT 84078 \* (435) 789-1017

SURVEYED BY: M.P. T.P.	SCALE: 1" = 300'	DRAWN BY: H.W.
DATE: 04-22-14	FILE: 56546	DATE: 05-01-14

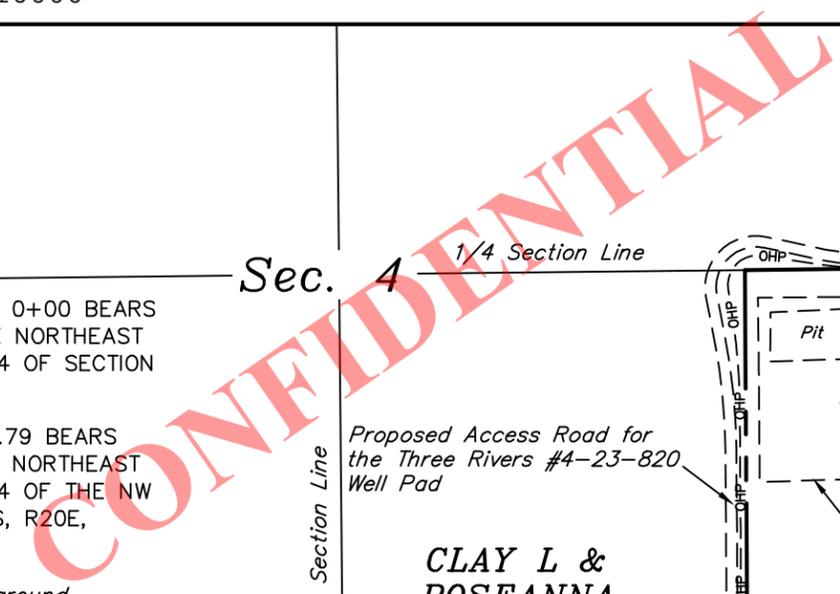
**POWER LINE RIGHT-OF-WAY PLAT**

SW Cor. Sec. 4  
 2011 Alum. Cap  
 0.2' High

SE Cor. Sec. 4  
 Alum. Cap

S89°29'04"W - 5279.27' (Meas.) Section Line

Section Line  
 500°27'22"E - 2652.40' (Meas.)



PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF THIS ROAD AND STATE HIGHWAY 88 TO THE SOUTH; EXIT LEFT AND PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 12.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE THREE RIVERS #4-23-820 WELL PAD TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY, THEN SOUTHERLY DIRECTION APPROXIMATELY 1,875' TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE WEST; FOLLOW ROAD FLAGS IN A WESTERLY DIRECTION APPROXIMATELY 133' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 26.8 MILES.

CONFIDENTIAL

**ULTRA RESOURCES, INC.**

**THREE RIVERS #4-36T-820, #4-34-820 & #4-38T-820  
SECTION 4, T8S, R20E, S.L.B&M.  
NW 1/4 SE 1/4**



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017

DRAWN BY: J.M.C.	DATE DRAWN: 05-06-14
	REV: 00-00-00
<b>ROAD DESCRIPTION</b>	



Well Name	ULTRA RESOURCES INC Three Rivers 4-38T-820 43047544210000			
String	SURF	Prod		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	1000	6785		
Previous Shoe Setting Depth (TVD)	0	1000		
Max Mud Weight (ppg)	8.8	10.0		
BOPE Proposed (psi)	500	3000		
Casing Internal Yield (psi)	2950	5320		
Operators Max Anticipated Pressure (psi)	3550	10.1		

Calculations	SURF String	8.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	458		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	338	YES	diverter with rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	238	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	238	NO	OK
Required Casing/BOPE Test Pressure=		1000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient	

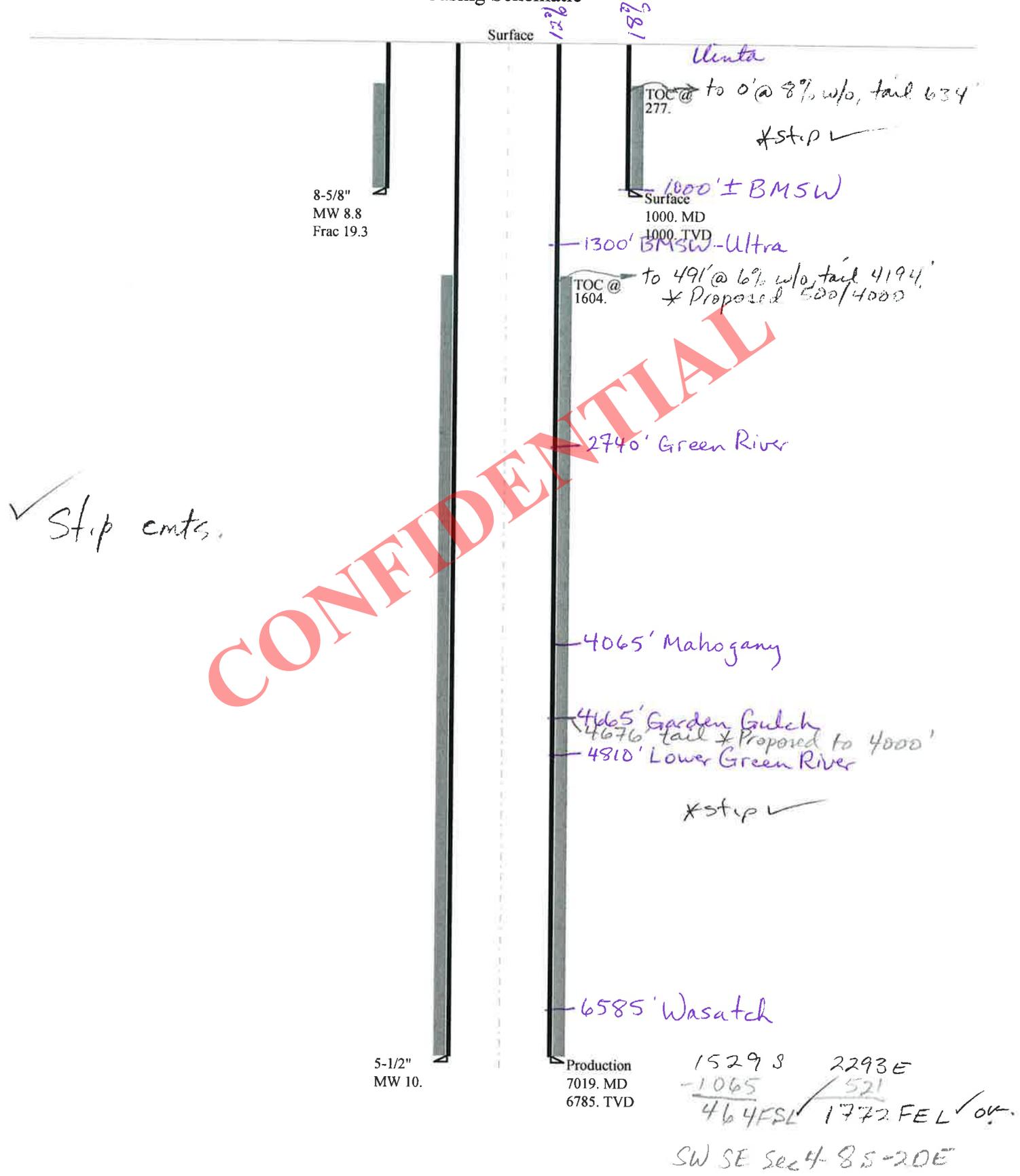
Calculations	Prod String	5.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	3528		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2714	YES	3M BOP, dbl ram, annular with diverter and rotating
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	2035	YES	head
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2255	NO	OK
Required Casing/BOPE Test Pressure=		3000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		1000	psi *Assumes 1psi/ft frac gradient	

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

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

# 43047544210000 Three Rivers 4-38T-820

## Casing Schematic



Well name:	<b>43047544210000 Three Rivers 4-38T-820</b>	
Operator:	<b>ULTRA RESOURCES INC</b>	
String type:	Surface	Project ID: 43-047-54421
Location:	UINTAH COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 8.800 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 88 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft  
Cement top: 277 ft

**Burst**

Max anticipated surface pressure: 880 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 1,000 psi  
Annular backup: 1.50 ppg

**Tension:**

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

**Non-directional string.**

**Re subsequent strings:**

Next setting depth: 6,785 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 3,525 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,000 ft  
Injection pressure: 1,000 psi

Tension is based on buoyed weight.  
Neutral point: 868 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1000	8.625	24.00	J-55	ST&C	1000	1000	7.972	5147
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	457	1370	2.997	922	2950	3.20	20.8	244	11.72 J

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

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

Date: July 14, 2014  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.8 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:	<b>43047544210000 Three Rivers 4-38T-820</b>	
Operator:	<b>ULTRA RESOURCES INC</b>	
String type:	Production	Project ID: 43-047-54421
Location:	UINTAH COUNTY	

**Design parameters:**

**Collapse**

Mud weight: 10.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 169 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft  
Cement top: 1,604 ft

**Burst**

Max anticipated surface pressure: 2,032 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 3,525 psi

No backup mud specified.

**Tension:**

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

Tension is based on buoyed weight.  
Neutral point: 5,990 ft

**Directional Info - Build & Drop**

Kick-off point 1000 ft  
Departure at shoe: 1185 ft  
Maximum dogleg: 2 °/100ft  
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	7019	5.5	17.00	J-55	LT&C	6785	7019	4.767	27193
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	3525	4910	1.393	3525	5320	1.51	97.9	247	2.52 J

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

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

Date: July 14, 2014  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 6785 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

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



**Berm Required? Y**  
permeable soil

**Erosion Sedimentation Control Required? N**

**Paleo Survey Run? N    Paleo Potential Observed? N    Cultural Survey Run? N    Cultural Resources? N**

**Reserve Pit**

<b>Site-Specific Factors</b>		<b>Site Ranking</b>
<b>Distance to Groundwater (feet)</b>	25 to 75	15
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>		20
<b>Native Soil Type</b>	High permeability	20
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0
<b>Affected Populations</b>		
<b>Presence Nearby Utility Conduits</b>	Not Present	0
<b>Final Score</b>		60    1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit as proposed is 150ft x 60ft x 10ft deep and is to be placed in a cut stable location. This pit will require a 20 mil liner and felt subliner. The soil is very permeable and the pit will be used for three wells.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 20    Pit Underlayment Required? Y**

**Other Observations / Comments**

Richard Powell  
Evaluator

7/1/2014  
Date / Time

# Application for Permit to Drill Statement of Basis

## Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
9699	43047544210000	LOCKED	OW	P	No
<b>Operator</b>	ULTRA RESOURCES INC		<b>Surface Owner-APD</b>	UPL Three Rivers Holdings, LLC	
<b>Well Name</b>	Three Rivers 4-38T-820		<b>Unit</b>		
<b>Field</b>	THREE RIVERS		<b>Type of Work</b>	DRILL	
<b>Location</b>	NWSE 4 8S 20E S 1529 FSL 2293 FEL GPS Coord (UTM) 613095E 4445094N				

### Geologic Statement of Basis

Ultra proposes to set 1,000 feet of surface pipe, cemented to surface. The depth to the base of the moderately saline water at this location is estimated to be at approximately 1,000 feet. A search of Division of Water Rights records shows 6 water wells within a 10,000 foot radius of the center of Section 4. The wells range in depth from 70 to 150 feet with no depth being listed for 1 well. Listed uses are irrigation, domestic, stock watering and oil exploration. The surface formation at this site is the Uinta Formation and alluvium derived from the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect ground water in this area.

Brad Hill  
APD Evaluator

7/8/2014  
Date / Time

### Surface Statement of Basis

This proposed three well pad is on fee surface with fee minerals. The surface owner is UPL Three Rivers Holdings which is also the operator of the proposed wells. John Busch acted as representative of both Ultra Resources and UPL Three Rivers Holdings at this onsite inspection. This proposed pad sits in a corner of a large irrigated farm field about 2.5 miles south of Pelican Lake. As placed the well site does not interfere with the irrigation system or current farming operations. The site is quite flat with a gentle east slope. The soil here is quite permeable and a berm will be required around the location. A reserve pit will be built and will require a minimum 20 mil liner and felt subliner. According to Mr. John Busch, Ultra uses a 20 mil liner for as general practice. This appears to be a good site for placement of this well.

Richard Powell  
Onsite Evaluator

7/1/2014  
Date / Time

### Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from entering or leaving the pad.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

Surface            The reserve pit shall be fenced upon completion of drilling operations.

**CONFIDENTIAL**

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/13/2014

API NO. ASSIGNED: 43047544210000

WELL NAME: Three Rivers 4-38T-820

OPERATOR: ULTRA RESOURCES INC (N4045)

PHONE NUMBER: 303 645-9872

CONTACT: Katherine Skinner

PROPOSED LOCATION: NWSE 04 080S 200E

Permit Tech Review: 

SURFACE: 1529 FSL 2293 FEL

Engineering Review: 

BOTTOM: 0460 FSL 1780 FEL

Geology Review: 

COUNTY: UINTAH

LATITUDE: 40.14859

LONGITUDE: -109.67221

UTM SURF EASTINGS: 613095.00

NORTHINGS: 4445094.00

FIELD NAME: THREE RIVERS

LEASE TYPE: 4 - Fee

LEASE NUMBER: FEE

PROPOSED PRODUCING FORMATION(S): GREEN RIVER - LOWER

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE - 022046398
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: 49-2262
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

## LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 270-02
- Effective Date: 11/9/2013
- Siting: 2 Wells Per 40 Acres
- R649-3-11. Directional Drill

Comments: Presite Completed

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



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

## State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

### Permit To Drill

\*\*\*\*\*

**Well Name:** Three Rivers 4-38T-820

**API Well Number:** 43047544210000

**Lease Number:** FEE

**Surface Owner:** FEE (PRIVATE)

**Approval Date:** 7/17/2014

**Issued to:**

ULTRA RESOURCES INC, 304 Inverness Way South #295, Englewood, CO 80112

**Authority:**

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 270-02. The expected producing formation or pool is the GREEN RIVER - LOWER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

**Duration:**

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

**Exception Location:**

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

**General:**

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

**Conditions of Approval:**

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

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

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place lead cement from the pipe setting depth back to 500' MD and tail cement to 4000' as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface. If water flows are encountered in the drilling of the surface casing or production casing the 11.5 ppg and 11.0 ppg cements will not be allowed. A cement of adequate density and strength will need to be pumped to ensure proper isolation.

**Additional Approvals:**

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

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

**Notification Requirements:**

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

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

**Contact Information:**

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

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

**Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or

plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "J. Rogers", written in a cursive style.

For John Rogers  
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE	
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.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>	
		<b>7. UNIT or CA AGREEMENT NAME:</b>	
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> Three Rivers 4-38T-820	
<b>2. NAME OF OPERATOR:</b> ULTRA RESOURCES INC		<b>9. API NUMBER:</b> 43047544210000	
<b>3. ADDRESS OF OPERATOR:</b> 304 Inverness Way South #295 , Englewood, CO, 80112	<b>PHONE NUMBER:</b> 303 645-9810 Ext	<b>9. FIELD and POOL or WILDCAT:</b> THREE RIVERS	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1529 FSL 2293 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 04 Township: 08.0S Range: 20.0E Meridian: S		<b>COUNTY:</b> UINTAH	
		<b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 8/20/2014  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
Ultra Resources will be moving ProPetro to spud the Three Rivers 4-38T-820 (API #43-047-54421) on 8/20/2014.			
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 21, 2014</b>			
<b>NAME (PLEASE PRINT)</b> Jenna Anderson	<b>PHONE NUMBER</b> 303 645-9804	<b>TITLE</b> Permitting Assistant	
<b>SIGNATURE</b> N/A		<b>DATE</b> 8/20/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: FEE
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: ULTRA RESOURCES INC	8. WELL NAME and NUMBER: Three Rivers 4-38T-820
3. ADDRESS OF OPERATOR: 304 Inverness Way South #295 , Englewood, CO, 80112	9. API NUMBER: 43047544210000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1529 FSL 2293 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 04 Township: 08.0S Range: 20.0E Meridian: S	9. FIELD and POOL or WILDCAT: THREE RIVERS  COUNTY: UINTAH  STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA	

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>8/27/2014</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Ultra requests to change the BHL from 460' FSL & 1780' FEL to 20' FSL & 1980' FEL per attached plat dated 8-6-14. Ultra's Directional Drilling Letter is also attached.

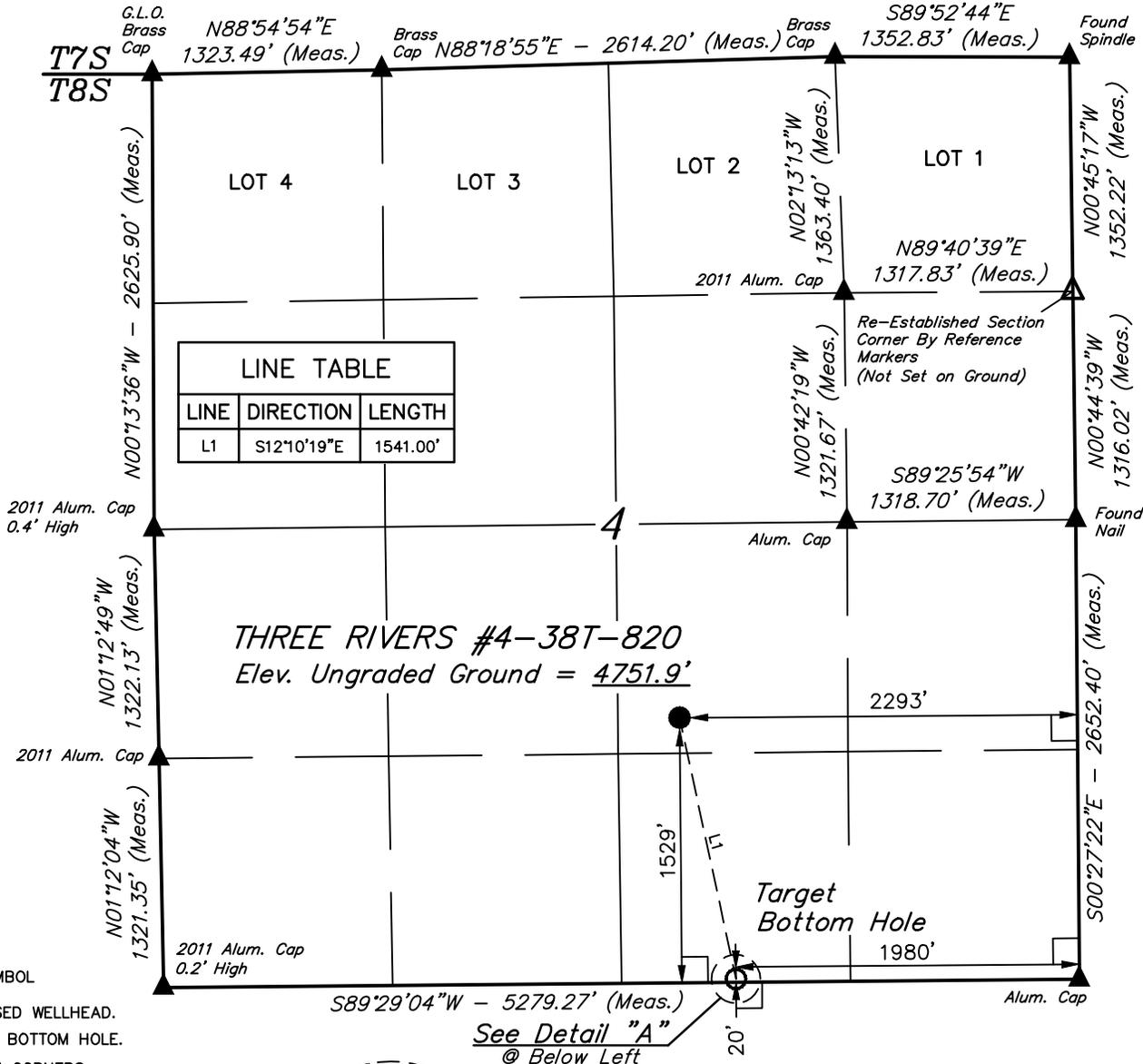
Approved by the  
 August 28, 2014  
 Oil, Gas and Mining

Date: \_\_\_\_\_

By: DeKQ

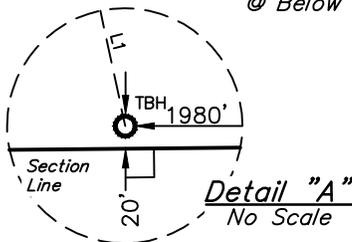
NAME (PLEASE PRINT) Jenna Anderson	PHONE NUMBER 303 645-9804	TITLE Permitting Assistant
SIGNATURE N/A	DATE 8/13/2014	

# T8S, R20E, S.L.B.&M.



**LEGEND:**

- ◻ = 90° SYMBOL
- = PROPOSED WELLHEAD.
- = TARGET BOTTOM HOLE.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)



NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°08'40.01" (40.144447)	LATITUDE = 40°08'54.89" (40.148581)
LONGITUDE = 109°40'16.19" (109.671164)	LONGITUDE = 109°40'20.37" (109.672325)

**CERTIFICATE**

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

**ROBERT L. KAY**  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 7613 OF UTAH  
STATE OF UTAH 08-08-14

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

**BASIS OF ELEVATION**

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.



**ULTRA RESOURCES, INC.**

**THREE RIVERS #4-38T-820**  
NW 1/4 SE 1/4, SECTION 4, T8S, R20E, S.L.B.&M.  
UINTAH COUNTY, UTAH

SURVEYED BY: M.P. T.P.	SCALE: 1"=1000'	REVISED BY: H.W.
DATE: 04-22-14		DATE: 08-05-14

**WELL LOCATION PLAT**



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017



# Ultra Resources, Inc.

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August 13, 2014

Mr. Dustin Doucet  
Utah Division of Oil, Gas & Mining  
1594 West North Temple  
Salt Lake City, Utah 84116

RE: Directional Drilling – Docket No. 2014-026 / Cause No. 270-04  
**Three Rivers 4-38T-820**  
Surface Location: 1529' FSL & 2293' FEL, NWSE, Sec. 4, T8S, R20E  
Target Location: 20' FSL & 1980' FEL, SWSE, Sec. 4, T8S, R20E  
SLB&M, Uintah County, Utah

Mr. Doucet:

Ultra Resources, Inc. ("Ultra") respectfully submits the below specifics concerning the proposed directional drilling of the subject well:

- The well is identified in Docket No. 2014-026 / Cause No. 270-04 ("270-04") as a "lease line" well.
- The well is located on or as close as reasonably feasible to the respective common lease line, and no closer than 460 feet to another well producing from the same formation or to a boundary with lands not subject to the 270-02 Order.
- Ultra is the sole owner of 100% of the leasehold rights with respect to all tracts within 460' around the full wellbore path of the proposed directional well.
- There are no unleased mineral interests with respect to all tracts within 460' around the full wellbore path of the proposed directional well.
- The anticipated points of intersection with the objective (spaced) formation and the anticipated productive interval are within the established setbacks.
- The bottom hole location is within the established setbacks.
- The directional drilling of the well is proposed to limit surface disturbance within the project and affected surface owners.

Therefore, based on the above stated information, Ultra requests the Sundry to change the bottom hole location be granted pursuant to the 270-04 Order.

Mr. Dustin Doucet  
August 13, 2014  
Page 2

Thank you in advance for your consideration. Please feel free to contact me at 303-645-9810 if you have any questions or comments.

Sincerely,

Debbie Ghani  
Sr. Permitting Specialist

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>8. WELL NAME and NUMBER:</b> Three Rivers 4-38T-820
<b>2. NAME OF OPERATOR:</b> ULTRA RESOURCES INC		<b>9. API NUMBER:</b> 43047544210000
<b>3. ADDRESS OF OPERATOR:</b> 304 Inverness Way South #295 , Englewood, CO, 80112	<b>PHONE NUMBER:</b> 303 645-9809 Ext	<b>9. FIELD and POOL or WILDCAT:</b> THREE RIVERS
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1529 FSL 2293 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 04 Township: 08.0S Range: 20.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 9/17/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input checked="" type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Ultra requests to change the SHL from 1529' FSL & 2293' FEL to 1530' FSL & 2293' FEL per attached As-Drilled plat dated 8-27-14.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
September 18, 2014**

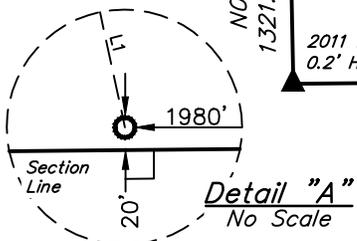
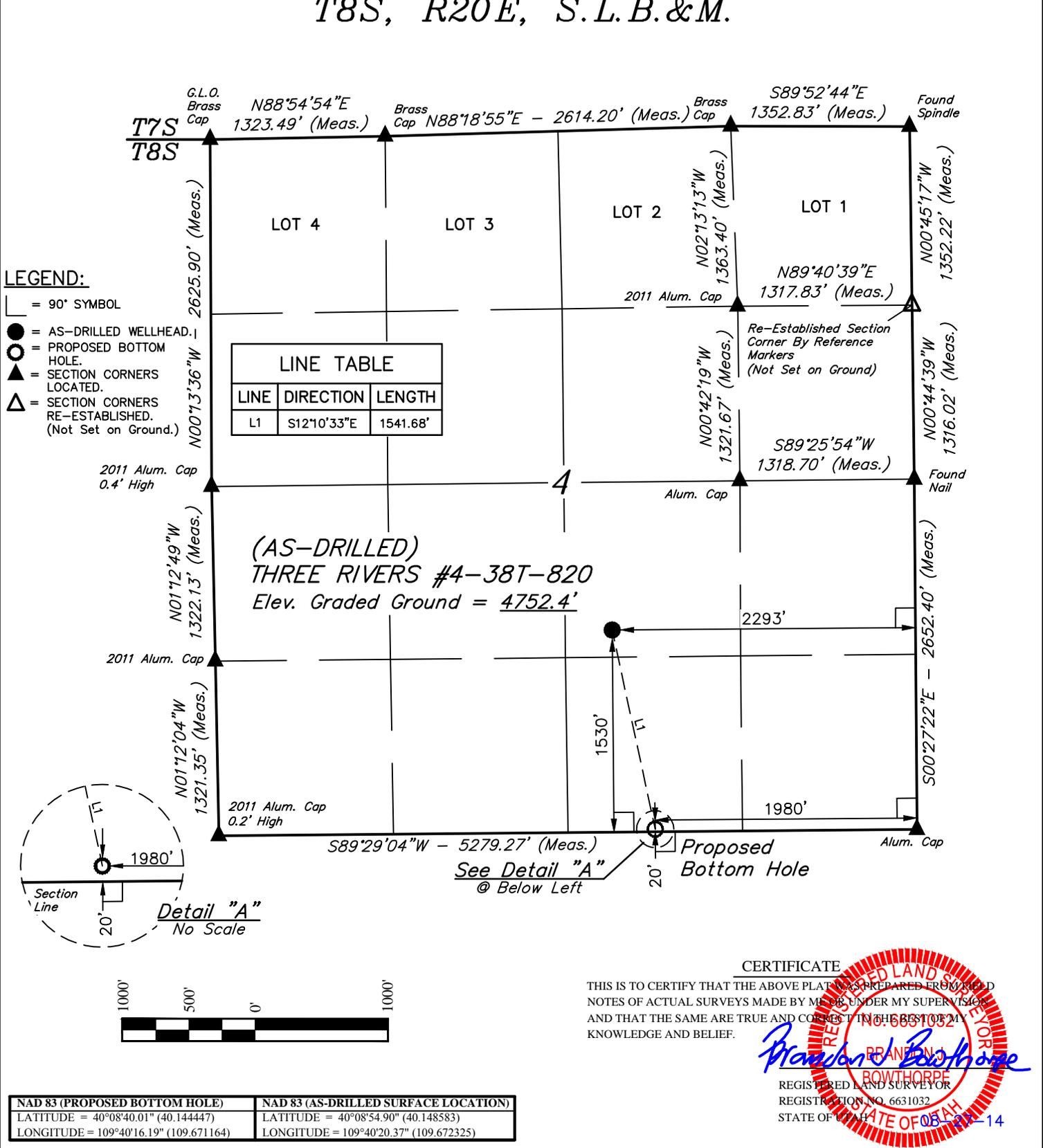
<b>NAME (PLEASE PRINT)</b> Jenna Anderson	<b>PHONE NUMBER</b> 303 645-9804	<b>TITLE</b> Permitting Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/3/2014	

# T8S, R20E, S.L.B.&M.

**LEGEND:**

- = 90° SYMBOL
- = AS-DRILLED WELLHEAD.
- = PROPOSED BOTTOM HOLE.
- = SECTION CORNERS LOCATED.
- = SECTION CORNERS RE-ESTABLISHED. (Not Set on Ground.)

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	S12°10'33"E	1541.68'



NAD 83 (PROPOSED BOTTOM HOLE)	NAD 83 (AS-DRILLED SURFACE LOCATION)
LATITUDE = 40°08'40.01" (40.144447)	LATITUDE = 40°08'54.90" (40.148583)
LONGITUDE = 109°40'16.19" (109.671164)	LONGITUDE = 109°40'20.37" (109.672325)

**CERTIFICATE**

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



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

**BASIS OF ELEVATION**

BENCH MARK (38EAM) LOCATED IN THE SW 1/4 OF SECTION 9, T7S, R20E, S.L.B.&M. TAKEN FROM THE PELICAN LAKE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4942 FEET.



**ULTRA RESOURCES, INC.**

**(AS-DRILLED) THREE RIVERS #4-38T-820**  
NW 1/4 SE 1/4, SECTION 4, T8S, R20E, S.L.B.&M.  
UINTAH COUNTY, UTAH

SURVEYED BY: M.P. D.L.	SCALE: 1"=1000'	DRAWN BY: H.W.
DATE: 08-22-14		DATE: 08-26-14

**WELL LOCATION PLAT**



**UELS, LLC**  
Corporate Office \* 85 South 200 East  
Vernal, UT 84078 \* (435) 789-1017

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> FEE
		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Oil Well		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>2. NAME OF OPERATOR:</b> ULTRA RESOURCES INC		<b>8. WELL NAME and NUMBER:</b> Three Rivers 4-38T-820
<b>3. ADDRESS OF OPERATOR:</b> 304 Inverness Way South #295 , Englewood, CO, 80112		<b>9. API NUMBER:</b> 43047544210000
<b>PHONE NUMBER:</b> 303 645-9809 Ext		<b>9. FIELD and POOL or WILDCAT:</b> THREE RIVERS
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1529 FSL 2293 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 04 Township: 08.0S Range: 20.0E Meridian: S		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/11/2014	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

First Production occurred on the TR4-38T-820 on 10/11/2014.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
October 14, 2014**

<b>NAME (PLEASE PRINT)</b> Jenna Anderson	<b>PHONE NUMBER</b> 303 645-9804	<b>TITLE</b> Permitting Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/13/2014	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
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		<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 10/10/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

Monthly status report of drilling and completion attached.

**Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY  
October 16, 2014**

<b>NAME (PLEASE PRINT)</b> Jenna Anderson	<b>PHONE NUMBER</b> 303 645-9804	<b>TITLE</b> Permitting Assistant
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/10/2014	

**ULTRA RESOURCES, INC.**  
**DAILY DRILLING REPORT DATE: 08/26/2014**

WELL NAME THREE RIVERS 4-38T-820 AFE# 140973 SPUD DATE 09/21/2014  
 WELL SITE CONSULTANT JARED MEJORADO PHONE# 713-948-9196 CONTRACTOR Other  
 TD AT REPORT 1,050' FOOTAGE 931' PRATE \_\_\_\_\_ CUM. DRLG. HRS \_\_\_\_\_ DRLG DAYS SINCE SPUD 0  
 ANTICIPATED TD 7,022' PRESENT OPS \_\_\_\_\_ Drilling at 1,050' GEOLOGIC SECT. \_\_\_\_\_  
 DAILY MUD LOSS SURF: \_\_\_\_\_ DH: \_\_\_\_\_ CUM. MUD LOSS SURF: \_\_\_\_\_ DH: \_\_\_\_\_  
 MUD COMPANY: \_\_\_\_\_ MUD ENGINEER: \_\_\_\_\_  
 LAST BOP TEST \_\_\_\_\_ NEXT CASING SIZE 8 5/8 NEXT CASING DEPTH 1,029 SSE \_\_\_\_\_ SSED \_\_\_\_\_

AFE Days vs Depth: \_\_\_\_\_ AFE Cost Vs Depth: \_\_\_\_\_  
 DWOP Days vs Depth: \_\_\_\_\_ # LL/BP Received Today: \_\_\_\_\_

**FUEL AND WATER USAGE**

	Used	Received	Transferred	On Hand	Cum.Used
Fluid					
Fuel	1,500.0	1,500.0		0.0	1,500.0
Gas					
Fresh Well Water					
Nano Water					
Frac Water					
Reserve Pit Water					
Boiler Hours					
Air Heater Hours					
Urea				0.0	
Urea Sys 1 Hrs					
Urea Sys 2 Hrs					
Urea Sys 3 Hrs					

RECENT CASINGS RUN:	Date Set	Size	Grade	Weight	Depth	FIT Depth	FIT ppg
Surface	08/26/2014	8 5/8	J-55	24	1,029		
Conductor	08/20/2014	16	ARJ-55	45	119		

**RECENT BITS:**

BIT	SIZE	MANUF	TYPE	SERIAL NO.	JETS	TFA	DEPTH IN	DEPTH OUT	I-O-D-L-B-G-O-R
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**BIT OPERATIONS:**

BIT	WOB	RPM	GPM	PRESS	HHP	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
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**RECENT MUD MOTORS:**

#	SIZE	MANUF	TYPE	SERIAL NO.	LOBES	DEPTH IN	DEPTH OUT	DATE IN	DATE OUT
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**MUD MOTOR OPERATIONS:**

#	WOB	REV/GAL	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
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**SURVEYS**

Date	TMD	Incl	Azimuth	TVD	VS	NS	EW	DLS	Tool Type
------	-----	------	---------	-----	----	----	----	-----	-----------

DAILY COSTS	DAILY	CUM	AFE		DAILY	CUM	AFE
8100..100: Permits & Fees			4,500	8100..105: Insurance			2,000
8100..110: Staking & Surveying			1,500	8100..120: Surface Damages & R			
8100..200: Location Roads			50,000	8100..210: Reclamation			
8100..220: Secondary Reclamati				8100..230: Pit Solidification			5,000
8100..300: Water Well				8100..310: Water/Water Disposa			7,500
8100..320: Mud & Chemicals			45,000	8100..325: Oil Base Mud Diesel			
8100..400: Drilling Rig			127,000	8100..402: Drilling Rig Cleani			
8100..405: Rig Fuel			40,000	8100..410: Mob/Demob			17,000
8100..420: Bits & Reamers			15,500	8100..500: Roustabout Services			7,000
8100..510: Testing/Inspection/			5,000	8100..520: Trucking & Hauling			10,000
8100..530: Equipment Rental			25,000	8100..531: Down Hole Motor Ren			1,500
8100..532: Solids Control Equi			7,000	8100..535: Directional Drillin			76,000
8100..540: Fishing				8100..600: Surface Casing/Inte		17,526	20,000
8100..605: Cementing Work			25,000	8100..610: P & A			
8100..700: Logging - Openhole			15,000	8100..705: Logging - Mud			
8100..800: Supervision/Consult			25,000	8100..810: Engineering/Evaluat			
8100..900: Contingencies				8100..950: Administrative O/H			
8100..999: Non Operated IDC				8200..510: Testing/Inspection/			2,000
8200..520: Trucking & Hauling			7,000	8200..530: Equipment Rental			37,500
8200..605: Cementing Work			25,000	8210..600: Production Casing			94,000
8210..620: Wellhead/Casing Hea			20,000	Total Cost		17,526	717,000

**ULTRA RESOURCES, INC.**  
**DAILY DRILLING REPORT DATE: 08/27/2014**

WELL NAME THREE RIVERS 4-38T-820 AFE# 140973 SPUD DATE 09/21/2014  
 WELL SITE CONSULTANT JARED MEJORADO PHONE# 713-948-9196 CONTRACTOR Other  
 TD AT REPORT (no data) FOOTAGE \_\_\_\_\_ PRATE \_\_\_\_\_ CUM. DRLG. HRS 7.5 DRLG DAYS SINCE SPUD 0  
 ANTICIPATED TD 7,022' PRESENT OPS \_\_\_\_\_ (nothing recorded) GEOLOGIC SECT. \_\_\_\_\_  
 DAILY MUD LOSS SURF: \_\_\_\_\_ DH: \_\_\_\_\_ CUM. MUD LOSS SURF: \_\_\_\_\_ DH: \_\_\_\_\_  
 MUD COMPANY: \_\_\_\_\_ MUD ENGINEER: \_\_\_\_\_  
 LAST BOP TEST \_\_\_\_\_ NEXT CASING SIZE \_\_\_\_\_ NEXT CASING DEPTH \_\_\_\_\_ SSE \_\_\_\_\_ SSED \_\_\_\_\_

**TIME BREAKDOWN**

CASING & CEMENT 2.00 COND MUD & CIRCULATE 0.50 DRILLING 7.50  
 RIG UP / TEAR DOWN 2.50 TRIPPING 1.00

**DETAILS**

Start	End	Hrs	
07:30	09:30	02:00	MOVE RIG ON LOCATION & RIG UP
09:30	17:00	07:30	DRILL FROM 119' TO 1050
17:00	17:30	00:30	CIRCULATE HOLE CLEAN
17:30	18:30	01:00	TRIP OUT OF HOLE FROM 1050' TO 0'
18:30	19:30	01:00	RUN 23JTS 8 5/8 24# J-55 CSG W/ SHOE + SHOE JT & FLOAT COLLAR THREAD LOCKED - CENTRALIZE FIRST FOUR JOINTS & THEN EVERY FOURTH TO SURFACE
19:30	20:30	01:00	PRESSURE TEST LINES TO 3000PSI - PUMP 20BBLS FRESH WATER - PUMP 20BBLS WATER+GEL - PUMP 138.2BBLS 15.8 CEMENT 1.15 YIELD (675 SXS)5 GAL/SX MIX WATER - DISPLACE 61BBLS FRESH WATER - LAND PLUG W/ 420PSI+500 OVER FOR 1MIN - FLOATS HELD - BLEED BACK 1BBL TO TRUCK - GOOD RETURNS THROUGHOUT JOB - 30BBLS CEMENT TO SURFACE.
20:30	21:00	00:30	RIG DOWN & MOVE RIG

AFE Days vs Depth: \_\_\_\_\_ AFE Cost Vs Depth: \_\_\_\_\_  
 DWOP Days vs Depth: \_\_\_\_\_ # LL/BP Received Today: \_\_\_\_\_

**CASING EQUIPMENT**

RUN 23JTS 8 5/8 24# J-55 CSG W/ SHOE + SHOE JT & FLOAT COLLAR THREAD LOCKED - CENTRALIZE FIRST FOUR JOINTS & THEN EVERY FOURTH TO SURFACE

**CEMENT JOB SUMMARY**

PRESSURE TEST LINES TO 3000PSI - PUMP 20BBLS FRESH WATER - PUMP 20BBLS WATER+GEL - PUMP 138.2BBLS 15.8 CEMENT 1.15 YIELD (675 SXS)5 GAL/SX MIX WATER - DISPLACE 61BBLS FRESH WATER - LAND PLUG W/ 420PSI+500 OVER FOR 1MIN - FLOATS HELD - BLEED BACK 1BBL TO TRUCK - GOOD RETURNS THROUGHOUT JOB - 30BBLS CEMENT TO SURFACE.

RECENT CASINGS RUN:	Date Set	Size	Grade	Weight	Depth	FIT Depth	FIT ppg
Surface	08/26/2014	8 5/8	J-55	24	1,029		
Conductor	08/20/2014	16	ARJ-55	45	119		

**RECENT BITS:**

BIT	SIZE	MANUF	TYPE	SERIAL NO.	JETS	TFA	DEPTH IN	DEPTH OUT	I-O-D-L-B-G-O-R
-----	------	-------	------	------------	------	-----	----------	-----------	-----------------

**BIT OPERATIONS:**

BIT	WOB	RPM	GPM	PRESS	HHP	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
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**RECENT MUD MOTORS:**

#	SIZE	MANUF	TYPE	SERIAL NO.	LOBES	DEPTH IN	DEPTH OUT	DATE IN	DATE OUT
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**MUD MOTOR OPERATIONS:**

#	WOB	REV/GAL	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
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**SURVEYS**

Date	TMD	Incl	Azimuth	TVD	VS	NS	EW	DLS	Tool Type
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**DAILY COSTS**

	DAILY	CUM	AFE		DAILY	CUM	AFE
8100..100: Permits & Fees			4,500	8100..105: Insurance			2,000
8100..110: Staking & Surveying			1,500	8100..120: Surface Damages & R			
8100..200: Location Roads	28,229	28,229	50,000	8100..210: Reclamation			
8100..220: Secondary Reclamati				8100..230: Pit Solidification			5,000
8100..300: Water Well				8100..310: Water/Water Dispos	263	263	7,500
8100..320: Mud & Chemicals			45,000	8100..325: Oil Base Mud Diesel			
8100..400: Drilling Rig	30,400	30,400	127,000	8100..402: Drilling Rig Cleani			
8100..405: Rig Fuel			40,000	8100..410: Mob/Demob			17,000
8100..420: Bits & Reamers			15,500	8100..500: Roustabout Services			7,000
8100..510: Testing/Inspection/	1,246	1,246	5,000	8100..520: Trucking & Hauling			10,000
8100..530: Equipment Rental			25,000	8100..531: Down Hole Motor Ren			1,500
8100..532: Solids Control Equi			7,000	8100..535: Directional Drillin			76,000
8100..540: Fishing				8100..600: Surface Casing/Inte		17,526	20,000
8100..605: Cementing Work	19,137	19,137	25,000	8100..610: P & A			
8100..700: Logging - Openhole			15,000	8100..705: Logging - Mud			
8100..800: Supervision/Consult			25,000	8100..810: Engineering/Evaluat			
8100..900: Contingencies	8,731	8,731		8100..950: Administrative O/H			
8100..999: Non Operated IDC				8200..510: Testing/Inspection/			2,000
8200..520: Trucking & Hauling			7,000	8200..530: Equipment Rental			37,500
8200..605: Cementing Work			25,000	8210..600: Production Casing			94,000
8210..620: Wellhead/Casing Hea			20,000	Total Cost	88,005	105,531	717,000

**ULTRA RESOURCES, INC.**  
**DAILY DRILLING REPORT DATE: 08/31/2014**

WELL NAME THREE RIVERS 4-38T-820 AFE# 140973 SPUD DATE 09/21/2014  
 WELL SITE CONSULTANT JARED MEJORADO PHONE# 713-948-9196 CONTRACTOR Other  
 TD AT REPORT (no data) FOOTAGE \_\_\_\_\_ PRATE \_\_\_\_\_ CUM. DRLG. HRS 7.5 DRLG DAYS SINCE SPUD 0  
 ANTICIPATED TD 7,022' PRESENT OPS \_\_\_\_\_ (nothing recorded) GEOLOGIC SECT. \_\_\_\_\_  
 DAILY MUD LOSS SURF: \_\_\_\_\_ DH: \_\_\_\_\_ CUM. MUD LOSS SURF: \_\_\_\_\_ DH: \_\_\_\_\_  
 MUD COMPANY: \_\_\_\_\_ MUD ENGINEER: \_\_\_\_\_  
 LAST BOP TEST \_\_\_\_\_ NEXT CASING SIZE \_\_\_\_\_ NEXT CASING DEPTH \_\_\_\_\_ SSE \_\_\_\_\_ SSED \_\_\_\_\_

AFE Days vs Depth: \_\_\_\_\_ AFE Cost Vs Depth: \_\_\_\_\_  
 DWOP Days vs Depth: \_\_\_\_\_ # LL/BP Received Today: \_\_\_\_\_

**RECENT CASINGS RUN:**

	Date Set	Size	Grade	Weight	Depth	FIT Depth	FIT ppg
Surface	08/26/2014	8 5/8	J-55	24	1,029		
Conductor	08/20/2014	16	ARJ-55	45	119		

**RECENT BITS:**

BIT	SIZE	MANUF	TYPE	SERIAL NO.	JETS	TFA	DEPTH IN	DEPTH OUT	I-O-D-L-B-G-O-R

**BIT OPERATIONS:**

BIT	WOB	RPM	GPM	PRESS	HHP	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP

**RECENT MUD MOTORS:**

#	SIZE	MANUF	TYPE	SERIAL NO.	LOBES	DEPTH IN	DEPTH OUT	DATE IN	DATE OUT

**MUD MOTOR OPERATIONS:**

#	WOB	REV/GAL	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP

**SURVEYS**

Date	TMD	Incl	Azimuth	TVD	VS	NS	EW	DLS	Tool Type

	DAILY	CUM	AFE		DAILY	CUM	AFE
8100..100: Permits & Fees			4,500	8100..105: Insurance			2,000
8100..110: Staking & Surveying			1,500	8100..120: Surface Damages & R			
8100..200: Location Roads		28,229	50,000	8100..210: Reclamation			
8100..220: Secondary Reclamat				8100..230: Pit Solidification			5,000
8100..300: Water Well				8100..310: Water/Water Disposa		263	7,500
8100..320: Mud & Chemicals			45,000	8100..325: Oil Base Mud Diesel			
8100..400: Drilling Rig		30,400	127,000	8100..402: Drilling Rig Cleani			
8100..405: Rig Fuel			40,000	8100..410: Mob/Demob			17,000
8100..420: Bits & Reamers			15,500	8100..500: Roustabout Services			7,000
8100..510: Testing/Inspection/		1,246	5,000	8100..520: Trucking & Hauling			10,000
8100..530: Equipment Rental			25,000	8100..531: Down Hole Motor Ren			1,500
8100..532: Solids Control Equi			7,000	8100..535: Directional Drillin			76,000
8100..540: Fishing				8100..600: Surface Casing/Inte		17,526	20,000
8100..605: Cementing Work		19,137	25,000	8100..610: P & A			
8100..700: Logging - Openhole			15,000	8100..705: Logging - Mud			
8100..800: Supervision/Consult			25,000	8100..810: Engineering/Evaluat			
8100..900: Contingencies		8,731		8100..950: Administrative O/H			
8100..999: Non Operated IDC				8200..510: Testing/Inspection/			2,000
8200..520: Trucking & Hauling			7,000	8200..530: Equipment Rental			37,500
8200..605: Cementing Work			25,000	8210..600: Production Casing			94,000
8210..620: Wellhead/Casing Hea			20,000	Total Cost		105,531	717,000

**ULTRA RESOURCES, INC.**  
**DAILY DRILLING REPORT DATE: 09/01/2014**

WELL NAME THREE RIVERS 4-38T-820 AFE# 140973 SPUD DATE 09/21/2014  
 WELL SITE CONSULTANT JARED MEJORADO PHONE# 713-948-9196 CONTRACTOR Other  
 TD AT REPORT (no data) FOOTAGE \_\_\_\_\_ PRATE \_\_\_\_\_ CUM. DRLG. HRS 7.5 DRLG DAYS SINCE SPUD 0  
 ANTICIPATED TD 7,022' PRESENT OPS \_\_\_\_\_ (nothing recorded) GEOLOGIC SECT. \_\_\_\_\_  
 DAILY MUD LOSS SURF: \_\_\_\_\_ DH: \_\_\_\_\_ CUM. MUD LOSS SURF: \_\_\_\_\_ DH: \_\_\_\_\_  
 MUD COMPANY: \_\_\_\_\_ MUD ENGINEER: \_\_\_\_\_  
 LAST BOP TEST \_\_\_\_\_ NEXT CASING SIZE \_\_\_\_\_ NEXT CASING DEPTH \_\_\_\_\_ SSE \_\_\_\_\_ SSED \_\_\_\_\_

AFE Days vs Depth: \_\_\_\_\_ AFE Cost Vs Depth: \_\_\_\_\_  
 DWOP Days vs Depth: \_\_\_\_\_ # LL/BP Received Today: \_\_\_\_\_

**RECENT CASINGS RUN:**

	Date Set	Size	Grade	Weight	Depth	FIT Depth	FIT ppg
Surface	08/26/2014	8 5/8	J-55	24	1,029		
Conductor	08/20/2014	16	ARJ-55	45	119		

**RECENT BITS:**

BIT	SIZE	MANUF	TYPE	SERIAL NO.	JETS	TFA	DEPTH IN	DEPTH OUT	I-O-D-L-B-G-O-R

**BIT OPERATIONS:**

BIT	WOB	RPM	GPM	PRESS	HHP	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP

**RECENT MUD MOTORS:**

#	SIZE	MANUF	TYPE	SERIAL NO.	LOBES	DEPTH IN	DEPTH OUT	DATE IN	DATE OUT

**MUD MOTOR OPERATIONS:**

#	WOB	REV/GAL	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP

**SURVEYS**

Date	TMD	Incl	Azimuth	TVD	VS	NS	EW	DLS	Tool Type

	DAILY	CUM	AFE		DAILY	CUM	AFE
8100..100: Permits & Fees			4,500	8100..105: Insurance			2,000
8100..110: Staking & Surveying			1,500	8100..120: Surface Damages & R			
8100..200: Location Roads		28,229	50,000	8100..210: Reclamation			
8100..220: Secondary Reclamat				8100..230: Pit Solidification			5,000
8100..300: Water Well				8100..310: Water/Water Disposa	368	630	7,500
8100..320: Mud & Chemicals	735	735	45,000	8100..325: Oil Base Mud Diesel			
8100..400: Drilling Rig		30,400	127,000	8100..402: Drilling Rig Cleani			
8100..405: Rig Fuel			40,000	8100..410: Mob/Demob			17,000
8100..420: Bits & Reamers			15,500	8100..500: Roustabout Services			7,000
8100..510: Testing/Inspection/		1,246	5,000	8100..520: Trucking & Hauling	893	893	10,000
8100..530: Equipment Rental			25,000	8100..531: Down Hole Motor Ren			1,500
8100..532: Solids Control Equi			7,000	8100..535: Directional Drillin			76,000
8100..540: Fishing				8100..600: Surface Casing/Inte		17,526	20,000
8100..605: Cementing Work		19,137	25,000	8100..610: P & A			
8100..700: Logging - Openhole			15,000	8100..705: Logging - Mud			
8100..800: Supervision/Consult			25,000	8100..810: Engineering/Evaluat			
8100..900: Contingencies	219	8,950		8100..950: Administrative O/H			
8100..999: Non Operated IDC				8200..510: Testing/Inspection/			2,000
8200..520: Trucking & Hauling			7,000	8200..530: Equipment Rental			37,500
8200..605: Cementing Work			25,000	8210..600: Production Casing			94,000
8210..620: Wellhead/Casing Hea			20,000	Total Cost	2,214	107,746	717,000

**ULTRA RESOURCES, INC.**  
**DAILY DRILLING REPORT DATE: 09/19/2014**

WELL NAME THREE RIVERS 4-38T-820 AFE# 140973 SPUD DATE 09/21/2014  
 WELL SITE CONSULTANT JARED MEJORADO PHONE# 713-948-9196 CONTRACTOR Other  
 TD AT REPORT 1,050' FOOTAGE 0' PRATE Drilling Cement at 1,050' CUM. DRLG. HRS 7.5 DRLG DAYS SINCE SPUD 0  
 ANTICIPATED TD 7,022' PRESENT OPS 0' GEOLOGIC SECT. \_\_\_\_\_  
 DAILY MUD LOSS SURF: \_\_\_\_\_ DH: \_\_\_\_\_ CUM. MUD LOSS SURF: \_\_\_\_\_ DH: \_\_\_\_\_  
 MUD COMPANY: \_\_\_\_\_ MUD ENGINEER: \_\_\_\_\_  
 LAST BOP TEST \_\_\_\_\_ NEXT CASING SIZE 5 1/2 NEXT CASING DEPTH 7,022 SSE 0 SSED 0

AFE Days vs Depth: \_\_\_\_\_ AFE Cost Vs Depth: \_\_\_\_\_  
 DWOP Days vs Depth: \_\_\_\_\_ # LL/BP Received Today: \_\_\_\_\_

**RECENT CASINGS RUN:**

	Date Set	Size	Grade	Weight	Depth	FIT Depth	FIT ppg
Surface	08/26/2014	8 5/8	J-55	24	1,029		
Conductor	08/20/2014	16	ARJ-55	45	119		

**RECENT BITS:**

BIT	SIZE	MANUF	TYPE	SERIAL NO.	JETS	TFA	DEPTH IN	DEPTH OUT	I-O-D-L-B-G-O-R

**BIT OPERATIONS:**

BIT	WOB	RPM	GPM	PRESS	HHP	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP

**RECENT MUD MOTORS:**

#	SIZE	MANUF	TYPE	SERIAL NO.	LOBES	DEPTH IN	DEPTH OUT	DATE IN	DATE OUT

**MUD MOTOR OPERATIONS:**

#	WOB	REV/GAL	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP

**SURVEYS**

Date	TMD	Incl	Azimuth	TVD	VS	NS	EW	DLS	Tool Type

	DAILY	CUM	AFE		DAILY	CUM	AFE
8100..100: Permits & Fees			4,500	8100..105: Insurance			2,000
8100..110: Staking & Surveying			1,500	8100..120: Surface Damages & R			
8100..200: Location Roads		28,229	50,000	8100..210: Reclamation			
8100..220: Secondary Reclamat				8100..230: Pit Solidification			5,000
8100..300: Water Well				8100..310: Water/Water Disposa		630	7,500
8100..320: Mud & Chemicals		735	45,000	8100..325: Oil Base Mud Diesel			
8100..400: Drilling Rig		30,400	127,000	8100..402: Drilling Rig Cleani			
8100..405: Rig Fuel			40,000	8100..410: Mob/Demob			17,000
8100..420: Bits & Reamers			15,500	8100..500: Roustabout Services			7,000
8100..510: Testing/Inspection/		1,246	5,000	8100..520: Trucking & Hauling		893	10,000
8100..530: Equipment Rental			25,000	8100..531: Down Hole Motor Ren			1,500
8100..532: Solids Control Equi			7,000	8100..535: Directional Drillin			76,000
8100..540: Fishing				8100..600: Surface Casing/Inte		17,526	20,000
8100..605: Cementing Work		19,137	25,000	8100..610: P & A			
8100..700: Logging - Openhole			15,000	8100..705: Logging - Mud			
8100..800: Supervision/Consult			25,000	8100..810: Engineering/Evaluat			
8100..900: Contingencies		8,950		8100..950: Administrative O/H			
8100..999: Non Operated IDC				8200..510: Testing/Inspection/			2,000
8200..520: Trucking & Hauling			7,000	8200..530: Equipment Rental			37,500
8200..605: Cementing Work			25,000	8210..600: Production Casing			94,000
8210..620: Wellhead/Casing Hea			20,000	Total Cost		107,746	717,000

**ULTRA RESOURCES, INC.**  
**DAILY DRILLING REPORT DATE: 09/20/2014**

WELL NAME THREE RIVERS 4-38T-820 AFE# 140973 SPUD DATE 09/21/2014  
 WELL SITE CONSULTANT JOHN FRIETAS/KING BROWN PHONE# 713-948-9196 CONTRACTOR Other  
 TD AT REPORT 1,050' FOOTAGE 0' PRATE \_\_\_\_\_ CUM. DRLG. HRS 7.5 DRLG DAYS SINCE SPUD 0  
 ANTICIPATED TD 7,022' PRESENT OPS \_\_\_\_\_ Drilling Cement at 1,050' GEOLOGIC SECT. \_\_\_\_\_  
 DAILY MUD LOSS SURF: \_\_\_\_\_ DH: \_\_\_\_\_ CUM. MUD LOSS SURF: \_\_\_\_\_ DH: \_\_\_\_\_  
 MUD COMPANY: \_\_\_\_\_ MUD ENGINEER: \_\_\_\_\_  
 LAST BOP TEST \_\_\_\_\_ NEXT CASING SIZE 5 1/2 NEXT CASING DEPTH 7,022 SSE 0 SSED 0

AFE Days vs Depth: \_\_\_\_\_ AFE Cost Vs Depth: \_\_\_\_\_  
 DWOP Days vs Depth: \_\_\_\_\_ # LL/BP Received Today: \_\_\_\_\_

**FUEL AND WATER USAGE**

Fluid	Used	Received	Transferred	On Hand	Cum.Used
Fuel		1,335.0		1,335.0	1,500.0
Gas					
Fresh Well Water					
Nano Water					
Frac Water					
Reserve Pit Water					
Boiler Hours					
Air Heater Hours					
Urea				0.0	
Urea Sys 1 Hrs					
Urea Sys 2 Hrs					
Urea Sys 3 Hrs					

**RECENT CASINGS RUN:**

	<b>Date Set</b>	<b>Size</b>	<b>Grade</b>	<b>Weight</b>	<b>Depth</b>	<b>FIT Depth</b>	<b>FIT ppg</b>
Surface	08/26/2014	8 5/8	J-55	24	1,029		
Conductor	08/20/2014	16	ARJ-55	45	119		

**RECENT BITS:**

BIT	SIZE	MANUF	TYPE	SERIAL NO.	JETS	TFA	DEPTH IN	DEPTH OUT	I-O-D-L-B-G-O-R
1	7.875	HTC	T506	7153346	12/12/12/12/12	0.662	1,063		-----

**BIT OPERATIONS:**

BIT	WOB	RPM	GPM	PRESS	HHP	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
1		50	440	2,200	2.05	0.00	0		0.00	0	

**RECENT MUD MOTORS:**

#	SIZE	MANUF	TYPE	SERIAL NO.	LOBES	DEPTH IN	DEPTH OUT	DATE IN	DATE OUT
1	6.500	HUNTING	FIXED BEND	6236	7/8	1,063		09/20/2014	

**MUD MOTOR OPERATIONS:**

#	WOB	REV/GAL	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
1	22	0.29	0.00	0		0.00	0	

**SURVEYS**

Date	TMD	Incl	Azimuth	TVD	VS	NS	EW	DLS	Tool Type
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**SURFACE PUMP/BHA INFORMATION**

Pump 1 Liner	6.5	Stroke Len	9.0	SPM	125	PSI	GPM	440	SPR	43	Slow PSI	370
Pump 2 Liner		Stroke Len		SPM		PSI	GPM		SPR	43	Slow PSI	383
Pump 32 Liner		Stroke Len		SPM		PSI	GPM		SPR		Slow PSI	
BHA Makeup		STEARABLE					Length	889.8			Hours on BHA	
Up Weight	17,000	Dn Weight		RT Weight			Torque				Hours on Motor	

**BHA MAKEUP:**

#	Component	OD	ID	Length	Weight (ft/lb)	Serial Number	Description
1	DRILL BIT	7.875		1.00		JJ5117	HUGHS T506 6X12
2	MUD MOTOR	6.500	0.000	35.78		6277	1.5 DEG FBH 7/8 6.7STG. .29 REV
3	NON MAG MONEL	6.063	2.875	31.53		ATM64-513	4.5 XH P x B
4	EM GAP SUB	6.400	2.813	3.80		GSB0398	4.5 XH P x B
5	NON MAG FLEX MONEL	6.313	2.750	29.61		9041	4.5 XH P x B
6	DRILL COLLAR	6.500	2.750	31.06		RIG	4.5 XH P x B
7	18JTS HWDP	4.500	2.750	545.39		RIG	4.5 XH P x B
8	DRILLING JARS	6.550	2.625	30.94		42986J	4.5 XH P x B(SMITH)HE JARS
9	6JTS HWDP	4.500	2.313	180.44		RIG	4.5 XH P x B

**DAILY COSTS**

	DAILY	CUM	AFE		DAILY	CUM	AFE
8100..100: Permits & Fees			4,500	8100..105: Insurance			2,000
8100..110: Staking & Surveying			1,500	8100..120: Surface Damages & R			
8100..200: Location Roads		28,229	50,000	8100..210: Reclamation			
8100..220: Secondary Reclamati				8100..230: Pit Solidification			5,000
8100..300: Water Well				8100..310: Water/Water Dispos	630		7,500
8100..320: Mud & Chemicals		735	45,000	8100..325: Oil Base Mud Diesel			
8100..400: Drilling Rig	14,568	44,968	127,000	8100..402: Drilling Rig Cleani			
8100..405: Rig Fuel			40,000	8100..410: Mob/Demob			17,000
8100..420: Bits & Reamers			15,500	8100..500: Roustabout Services			7,000
8100..510: Testing/Inspection/		1,246	5,000	8100..520: Trucking & Hauling	893		10,000
8100..530: Equipment Rental	2,441	2,441	25,000	8100..531: Down Hole Motor Ren			1,500
8100..532: Solids Control Equi	318	318	7,000	8100..535: Directional Drillin			76,000
8100..540: Fishing				8100..600: Surface Casing/Inte	17,526		20,000
8100..605: Cementing Work		19,137	25,000	8100..610: P & A			
8100..700: Logging - Openhole			15,000	8100..705: Logging - Mud			
8100..800: Supervision/Consult	3,749	3,749	25,000	8100..810: Engineering/Evaluat			
8100..900: Contingencies		8,950		8100..950: Administrative O/H			
8100..999: Non Operated IDC				8200..510: Testing/Inspection/			2,000
8200..520: Trucking & Hauling			7,000	8200..530: Equipment Rental			37,500
8200..605: Cementing Work			25,000	8210..600: Production Casing			94,000
8210..620: Wellhead/Casing Hea			20,000	Total Cost	21,076	128,822	717,000

**ULTRA RESOURCES, INC.**  
**DAILY DRILLING REPORT DATE: 09/21/2014**

WELL NAME THREE RIVERS 4-38T-820 AFE# 140973 SPUD DATE 09/21/2014  
WELL SITE CONSULTANT JOHN FREITAS/KING BROWN PHONE# 713-948-9196 CONTRACTOR Ensign 122  
TD AT REPORT 1,882' FOOTAGE 819' PRATE 148.9 CUM. DRLG. HRS 13.0 DRLG DAYS SINCE SPUD 0  
ANTICIPATED TD 7,022' PRESENT OPS Directional Drilling at 1,882' GEOLOGIC SECT. \_\_\_\_\_  
DAILY MUD LOSS SURF: 10 DH: 10 CUM. MUD LOSS SURF: 10 DH: 10  
MUD COMPANY: ANCHOR MUD ENGINEER: DAN KASTEL  
LAST BOP TEST 09/21/2014 NEXT CASING SIZE 5 1/2 NEXT CASING DEPTH 7,022 SSE \_\_\_\_\_ SSED \_\_\_\_\_

**TIME BREAKDOWN**

DIRECTIONAL DRILLING 5.50 NIPPLE UP B.O.P. 1.00 PRESSURE TEST B.O.P. 5.00  
RIG UP / TEAR DOWN 3.00 TRIPPING 2.00 WASH & REAM 0.50  
WORK BHA 1.00

**DETAILS**

Start	End	Hrs	
12:00	14:00	02:00	RIG UP OVER TR 4-38T-820'
14:00	15:00	01:00	NIPPLE UP BOP, FLAIR LINE, FLOW LINE, CHOKE LINES.
15:00	20:00	05:00	PRESSURE TEST BOPE 250# LOW AND 3000# HIGH. UPPER KELLY, PIPE RAMS, INSIDE KILL, CHECK VALVE KILL LINE, INSIDE AND HCR CHOKE LINE VALVES. INSIDE CHOKE MANIFOLD, OUTSIDE CHOKE MANIFOLD VALVES, DART VALVE, AND BLIND RAMS. TEST ANNULAR T/ 250# LOW AND 1500# HIGH. CASING T/1500# AND FUNCTION TEST ACCUMULATOR.
20:00	21:00	01:00	R/D TESTER, FINISH RIG-UP, RIG INSPECTION.
21:00	22:00	01:00	P/U AND ORIENT DIRECTIONAL TOOLS.
22:00	00:00	02:00	RIH T/940' TAG CEMENT. BREAK CIRC AND CHECK PUMPS.
00:00	00:30	00:30	CLEAN-OUT SHOE TRACK F/ 940 T/1042' RKB (SHOE). CONTINUE TO CLEAN-OUT T/1063' RKB.
00:30	06:00	05:30	DRILL UNDER DIRECTIONAL CONTROL F/1063 T/1882' 819' @148.9FT/HR. 22-28K WOB, 60 RPM, 443 GPM, 125 SPM, 9700 TORQUE.
05:55	05:55	00:00	SAFETY MEETING DAYS: PPE, SWA, RIG SKID AND WORKING W/THIRD PARTIES (RIG MOVERS). SAFETY MEETING NIGHTS: PPE, SWA, BOPE TEST, PICKING UP BHA. REGULATORY NOTICES: NONE. REGULATORY VISITS: NONE. INCIDENTS: NONE. SAFETY DRILLS: BOPE DRILL 45 SEC.

AFE Days vs Depth: \_\_\_\_\_ AFE Cost Vs Depth: \_\_\_\_\_  
DWOP Days vs Depth: \_\_\_\_\_ # LL/BP Received Today: \_\_\_\_\_

**FUEL AND WATER USAGE**

	Used	Received	Transferred	On Hand	Cum.Used
Fluid					
Fuel		3,093.0		4,428.0	1,500.0
Gas					
Fresh Well Water					
Nano Water					
Frac Water					
Reserve Pit Water					
Boiler Hours					
Air Heater Hours					
Urea				0.0	
Urea Sys 1 Hrs					
Urea Sys 2 Hrs					
Urea Sys 3 Hrs					

**RECENT CASINGS RUN:**

	Date Set	Size	Grade	Weight	Depth	FIT Depth	FIT ppg
Surface	08/26/2014	8 5/8	J-55	24	1,029		
Conductor	08/20/2014	16	ARJ-55	45	119		

**RECENT BITS:**

BIT	SIZE	MANUF	TYPE	SERIAL NO.	JETS	TFA	DEPTH IN	DEPTH OUT	I-O-D-L-B-G-O-R
1	7.875	HTC	T506	7153346	12/12/12/12/12	0.662	1,063		-----

**BIT OPERATIONS:**

BIT	WOB	RPM	GPM	PRESS	HHP	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
1		60/128	440	2,200	2.05	5.50	819	148.91	5.50	819	148.91

**RECENT MUD MOTORS:**

#	SIZE	MANUF	TYPE	SERIAL NO.	LOBES	DEPTH IN	DEPTH OUT	DATE IN	DATE OUT
1	6.500	HUNTING	FIXED BEND	6236	7/8	1,063		09/20/2014	

**MUD MOTOR OPERATIONS:**

#	WOB	REV/GAL	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
1	25	0.29	5.50	819	148.91	5.50	819	148.91

**SURVEYS**

Date	TMD	Incl	Azimuth	TVD	VS	NS	EW	DLS	Tool Type
09/21/2014	3,012	24.3	158.47	2,880	610.8	-576.92	215.72	0.8	MWD Survey Tool
09/21/2014	2,921	24.8	157.24	2,797	573.5	-541.91	201.47	0.7	MWD Survey Tool
09/21/2014	2,831	25.4	156.76	2,715	535.9	-506.77	186.55	1.3	MWD Survey Tool

**MUD PROPERTIES**

Type	<u>LSND</u>	Mud Wt	<u>9.3</u>	Alk.	<u>2.0</u>	Sand %	<u>0.0</u>	XS Lime lb/bbl	_____
Temp.	<u>116</u>	Gels 10sec	<u>0</u>	Cl ppm	<u>1,800</u>	Solids %	<u>6.0</u>	Salt bbls	_____
Visc	<u>35</u>	Gels 10min	<u>10</u>	Ca ppm	<u>40</u>	LGS %	<u>5.0</u>	LCM ppb	<u>0.0</u>
PV	<u>7</u>	pH	<u>9.5</u>	pF	<u>0.5</u>	Oil %	_____	API WL cc	<u>14.4</u>
YP	<u>2</u>	Filter Cake/32	<u>1</u>	Mf	<u>2.5</u>	Water %	<u>94.0</u>	HTHP WL cc	_____
O/W Ratio	_____	ES	_____	WPS	_____				

Comments: GEL-0, TRAILER-1

Flaring: Flare Foot-Minutes 0 Flared MCF 0.0 Cum. Flared MCF 0.0

**SURFACE PUMP/BHA INFORMATION**

Pump 1 Liner	<u>6.5</u>	Stroke Len	<u>9.0</u>	SPM	<u>123</u>	PSI	<u>2,079</u>	GPM	<u>436</u>	SPR	<u>43</u>	Slow PSI	<u>370</u>
Pump 2 Liner	_____	Stroke Len	_____	SPM	_____	PSI	_____	GPM	_____	SPR	<u>43</u>	Slow PSI	<u>383</u>
Pump 32 Liner	_____	Stroke Len	_____	SPM	_____	PSI	_____	GPM	_____	SPR	_____	Slow PSI	_____
BHA Makeup	_____	<u>STEARABLE</u>		Length	<u>889.8</u>	Torque	<u>10,000</u>	Hours on BHA	<u>6</u>	Hours on Motor	<u>6</u>		
Up Weight	<u>72,000</u>	Dn Weight	<u>62,000</u>	RT Weight	<u>45,000</u>								

**BHA MAKEUP:**

#	Component	OD	ID	Length	Weight (ft/lb)	Serial Number	Description
1	DRILL BIT	7.875		1.00		7153346	HUGHS T506 6X12
2	MUD MOTOR	6.500	0.000	34.85		6236	1.5 DEG FBH 7/8 6.7STG. .29 REV
3	NON MAG MONEL	6.063	2.875	31.53		ATM64-513	4.5 XH P x B
4	EM GAP SUB	6.400	2.813	3.80		GSB0398	4.5 XH P x B
5	NON MAG FLEX MONEL	6.313	2.750	29.61		9041	4.5 XH P x B
6	DRILL COLLAR	6.500	2.750	30.15		RIG	4.5 XH P x B
7	18JTS HWDP	4.500	2.750	546.54		RIG	4.5 XH P x B
8	DRILLING JARS	6.550	2.625	30.14		42986J	4.5 XH P x B(SMITH)HE JARS
9	6JTS HWDP	4.500	2.313	182.78		RIG	4.5 XH P x B

**DAILY COSTS**

	DAILY	CUM	AFE		DAILY	CUM	AFE
8100..100: Permits & Fees			4,500	8100..105: Insurance			2,000
8100..110: Staking & Surveying			1,500	8100..120: Surface Damages & R			
8100..200: Location Roads	500	28,729	50,000	8100..210: Reclamation			
8100..220: Secondary Reclamati				8100..230: Pit Solidification			5,000
8100..300: Water Well				8100..310: Water/Water Disposa	368	998	7,500
8100..320: Mud & Chemicals	712	1,447	45,000	8100..325: Oil Base Mud Diesel			
8100..400: Drilling Rig	19,425	64,393	127,000	8100..402: Drilling Rig Cleani			
8100..405: Rig Fuel	9,218	9,218	40,000	8100..410: Mob/Demob			17,000
8100..420: Bits & Reamers			15,500	8100..500: Roustabout Services			7,000
8100..510: Testing/Inspection/	2,425	3,671	5,000	8100..520: Trucking & Hauling	237	1,130	10,000
8100..530: Equipment Rental	3,260	5,701	25,000	8100..531: Down Hole Motor Ren			1,500
8100..532: Solids Control Equi	425	743	7,000	8100..535: Directional Drillin	8,150	8,150	76,000
8100..540: Fishing				8100..600: Surface Casing/Inte	1,557	19,083	20,000
8100..605: Cementing Work		19,137	25,000	8100..610: P & A			
8100..700: Logging - Openhole			15,000	8100..705: Logging - Mud			
8100..800: Supervision/Consult	5,000	8,749	25,000	8100..810: Engineering/Evaluat			
8100..900: Contingencies	6,690	15,640		8100..950: Administrative O/H			
8100..999: Non Operated IDC			7,000	8200..510: Testing/Inspection/			2,000
8200..520: Trucking & Hauling			25,000	8200..530: Equipment Rental			37,500
8200..605: Cementing Work				8210..600: Production Casing	2,400	2,400	94,000
8210..620: Wellhead/Casing Hea	7,146	7,146	20,000	Total Cost	67,513	196,335	717,000

**ULTRA RESOURCES, INC.**  
**DAILY DRILLING REPORT DATE: 09/22/2014**

WELL NAME THREE RIVERS 4-38T-820 AFE# 140973 SPUD DATE 09/21/2014  
 WELL SITE CONSULTANT JOHN FREITAS/KING BROWN PHONE# 713-948-9196 CONTRACTOR Ensign 122  
 TD AT REPORT 4,200' FOOTAGE 2,318' PRATE 98.6 CUM. DRLG. HRS 36.5 DRLG DAYS SINCE SPUD 1  
 ANTICIPATED TD 7,022' PRESENT OPS Directional Drilling at 4,200' GEOLOGIC SECT. \_\_\_\_\_  
 DAILY MUD LOSS SURF: \_\_\_\_\_ DH: 40 CUM. MUD LOSS SURF: 10 DH: 50  
 MUD COMPANY: ANCHOR MUD ENGINEER: DAN KASTEL  
 LAST BOP TEST 09/21/2014 NEXT CASING SIZE 5 1/2 NEXT CASING DEPTH 7,022 SSE 1 SSED 1

TIME BREAKDOWN  
 DIRECTIONAL DRILLING 23.50 RIG SERVICE 0.50

**DETAILS**

Start	End	Hrs	
06:00	08:00	02:00	DIR DRILL F/1882' T/2067' 185' @ 92.5 FT/HR - W/10-18K WT ON BIT - 440GPM - 65-75 RPM - 450 DIFF - 6-9K TORQUE - 1850 PSI SPP.
08:00	08:30	00:30	RIG SERVICE- LUBRICATE RIG (GREASE PIPEARMS, ROUGHNECK, WASH PIPE AND SHOCK SUB)SERVICE AND INSPECT PUMP # 1 PUMP #2 AND HPU MOTORS.
08:30	18:00	09:30	DIR DRILL F/2067' T/3336' 1269' @ 133.5 FT/HR - W/18-20K WT ON BIT - 440GPM - 65-75 RPM - 450 DIFF - 9-10K TORQUE - 2150 PSI SPP.
18:00	00:00	06:00	DIR DRILL F/3336' T/3788' 452' @ 75.33 FT/HR - W/20-25K WT ON BIT - 440GPM -125 SPM, 65-75 RPM - 450 DIFF - 9-10K TORQUE - 2150 PSI SPP.
00:00	06:00	06:00	DIR DRILL F/3788' T/4200' 412' @ 68.6 FT/HR - W/20-25K WT ON BIT - 440GPM -125 SPM, 60 RPM - 450 DIFF - 9-10K TORQUE - 2150 PSI SPP.
05:55	05:55	00:00	SAFETY MEETING DAYS:PPE, SWA, MIXING CHEMICALS. SAFETY MEETING NIGHTS: PPE,SWA,FORK LIFT SAFETY. REGULATORY NOTICES:NONE. REGULATORY VISITS: NONE. INCIDENTS: NONE. SAFETY DRILLS: BOP DRILL DAY LIGHTS.

AFE Days vs Depth: \_\_\_\_\_ AFE Cost Vs Depth: \_\_\_\_\_  
 DWOP Days vs Depth: \_\_\_\_\_ # LL/BP Received Today: \_\_\_\_\_

**FUEL AND WATER USAGE**

Fluid	Used	Received	Transferred	On Hand	Cum.Used
Fuel	1,908.0			2,520.0	3,408.0
Gas					
Fresh Well Water					
Nano Water					
Frac Water					
Reserve Pit Water					
Boiler Hours					
Air Heater Hours					
Urea				0.0	
Urea Sys 1 Hrs					
Urea Sys 2 Hrs					
Urea Sys 3 Hrs					

**RECENT CASINGS RUN:**

	Date Set	Size	Grade	Weight	Depth	FIT Depth	FIT ppg
Surface	08/26/2014	8 5/8	J-55	24	1,029		
Conductor	08/20/2014	16	ARJ-55	45	119		

**RECENT BITS:**

BIT	SIZE	MANUF	TYPE	SERIAL NO.	JETS	TFA	DEPTH IN	DEPTH OUT	I-O-D-L-B-G-O-R
1	7.875	HTC	T506	7153346	12/12/12/12/12	0.662	1,063		-----

**BIT OPERATIONS:**

BIT	WOB	RPM	GPM	PRESS	HHP	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
1		60/128	440	2,200	2.05	23.50	2,318	98.64	29.00	3,137	108.17

**RECENT MUD MOTORS:**

#	SIZE	MANUF	TYPE	SERIAL NO.	LOBES	DEPTH IN	DEPTH OUT	DATE IN	DATE OUT
1	6.500	HUNTING	FIXED BEND	6236	7/8	1,063		09/20/2014	

**MUD MOTOR OPERATIONS:**

#	WOB	REV/GAL	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
1	25	0.29	23.50	2,318	98.64	29.00	3,137	108.17

**SURVEYS**

Date	TMD	Incl	Azimuth	TVD	VS	NS	EW	DLS	Tool Type
09/22/2014	5,911	1.9	172.00	5,588	1,436.7	-1,396.02	339.70	0.6	MWD Survey Tool
09/22/2014	5,820	2.0	188.44	5,497	1,433.7	-1,392.97	339.72	0.7	MWD Survey Tool
09/22/2014	5,730	2.2	173.15	5,407	1,430.5	-1,389.70	339.74	0.1	MWD Survey Tool

**MUD PROPERTIES**

Type	LSND	Mud Wt	9.7	Alk.	2.5	Sand %	1.0	XS Lime lb/bbl	
Temp.	95	Gels 10sec	3	Cl ppm	2,200	Solids %	8.0	Salt bbls	
Visc	42	Gels 10min	7	Ca ppm	20	LGS %	6.0	LCM ppb	0.0
PV	16	pH	10.3	pF	1.0	Oil %		API WL cc	6.8
YP	13	Filter Cake/32	1	Mf	2.3	Water %	92.0	HTHP WL cc	
O/W Ratio		ES		WPS					

Comments: drispac-reg 5,hi-yield gel 16,lignite 2,lime 3,phpa 3,sawdust 75,flowzan 6,sodium bicarb 7,walnut 8,mega-cide 7,drispac low 6,trailer 1,engineering 1.

Flaring: Flare Foot-Minutes 0 Flared MCF 0.0 Cum. Flared MCF 0.0

**SURFACE PUMP/BHA INFORMATION**

Pump 1 Liner	6.5	Stroke Len	9.0	SPM	123	PSI	2,079	GPM	436	SPR	43	Slow PSI	370
Pump 2 Liner		Stroke Len		SPM		PSI		GPM		SPR	43	Slow PSI	355
Pump 32 Liner		Stroke Len		SPM		PSI		GPM		SPR		Slow PSI	
BHA Makeup		STEARABLE						Length	889.8			Hours on BHA	29
Up Weight	110	Dn Weight	70	RT Weight	45,000			Torque	10,000			Hours on Motor	29

**BHA MAKEUP:**

#	Component	OD	ID	Length	Weight (ft/lb)	Serial Number	Description
1	DRILL BIT	7.875		1.00		7153346	HUGHS T506 6X12
2	MUD MOTOR	6.500	0.000	34.85		6236	1.5 DEG FBH 7/8 6.7STG. .29 REV
3	NON MAG MONEL	6.063	2.875	31.53		ATM64-513	4.5 XH P x B
4	EM GAP SUB	6.400	2.813	3.80		GSB0398	4.5 XH P x B
5	NON MAG FLEX MONEL	6.313	2.750	29.61		9041	4.5 XH P x B
6	DRILL COLLAR	6.500	2.750	30.15		RIG	4.5 XH P x B
7	18JTS HWDP	4.500	2.750	546.54		RIG	4.5 XH P x B
8	DRILLING JARS	6.550	2.625	30.14		42986J	4.5 XH P x B(SMITH)HE JARS
9	6JTS HWDP	4.500	2.313	182.78		RIG	4.5 XH P x B

**DAILY COSTS**

	DAILY	CUM	AFE		DAILY	CUM	AFE
8100..100: Permits & Fees			4,500	8100..105: Insurance			2,000
8100..110: Staking & Surveying			1,500	8100..120: Surface Damages & R			
8100..200: Location Roads		28,729	50,000	8100..210: Reclamation			
8100..220: Secondary Reclamati				8100..230: Pit Solidification			5,000
8100..300: Water Well				8100..310: Water/Water Disposa	2,920	3,918	7,500
8100..320: Mud & Chemicals	6,469	7,916	45,000	8100..325: Oil Base Mud Diesel			
8100..400: Drilling Rig	19,425	83,818	127,000	8100..402: Drilling Rig Cleani			
8100..405: Rig Fuel		9,218	40,000	8100..410: Mob/Demob			17,000
8100..420: Bits & Reamers			15,500	8100..500: Roustabout Services			7,000
8100..510: Testing/Inspection/		3,671	5,000	8100..520: Trucking & Hauling		1,130	10,000
8100..530: Equipment Rental	3,260	8,961	25,000	8100..531: Down Hole Motor Ren			1,500
8100..532: Solids Control Equi	425	1,168	7,000	8100..535: Directional Drillin	8,150	16,300	76,000
8100..540: Fishing				8100..600: Surface Casing/Inte		19,083	20,000
8100..605: Cementing Work		19,137	25,000	8100..610: P & A			
8100..700: Logging - Openhole			15,000	8100..705: Logging - Mud			
8100..800: Supervision/Consult	5,000	13,749	25,000	8100..810: Engineering/Evaluat			
8100..900: Contingencies	5,026	20,666		8100..950: Administrative O/H			
8100..999: Non Operated IDC			7,000	8200..510: Testing/Inspection/			2,000
8200..520: Trucking & Hauling			25,000	8200..530: Equipment Rental			37,500
8200..605: Cementing Work				8210..600: Production Casing	98,053	100,453	94,000
8210..620: Wellhead/Casing Hea		7,146	20,000	Total Cost	148,728	345,062	717,000

**ULTRA RESOURCES, INC.**  
**DAILY DRILLING REPORT DATE: 09/23/2014**

WELL NAME THREE RIVERS 4-38T-820 AFE# 140973 SPUD DATE 09/21/2014  
 WELL SITE CONSULTANT JOHN FREITAS/KING BROWN PHONE# 713-948-9196 CONTRACTOR Ensign 122  
 TD AT REPORT 6,733' FOOTAGE 2,533' PRATE 107.8 CUM. DRLG. HRS 60.0 DRLG DAYS SINCE SPUD 2  
 ANTICIPATED TD 7,022' PRESENT OPS Directional Drilling at 6,733' GEOLOGIC SECT. \_\_\_\_\_  
 DAILY MUD LOSS SURF: \_\_\_\_\_ DH: 200 CUM. MUD LOSS SURF: 10 DH: 250  
 MUD COMPANY: ANCHOR MUD ENGINEER: DAN KASTEL  
 LAST BOP TEST 09/21/2014 NEXT CASING SIZE 5 1/2 NEXT CASING DEPTH 7,019 SSE 1 SSED 0

TIME BREAKDOWN  
 DIRECTIONAL DRILLING 23.50 RIG SERVICE 0.50

**DETAILS**

Start	End	Hrs	
06:00	14:00	08:00	DIR DRILL F/4200' T/4832' 632' @ 79 FT/HR - W/20-25K WT ON BIT - 440GPM -125 SPM, 60 RPM - 450 DIFF - 9-10K TORQUE - 2150 PSI SPP.
14:00	14:30	00:30	RIG SERVICE- LUBRICATE RIG (GREASE PIPEARMS, ROUGHNECK, WASH PIPE AND SHOCK SUB)SERVICE AND INSPECT PUMP # 1 PUMP #2 AND HPU MOTORS.
14:30	18:00	03:30	DIR DRILL F/4832' T/5284' 452' @ 129.14 FT/HR - W/20-25K WT ON BIT - 440GPM -125 SPM, 60 RPM - 450 DIFF - 9-10K TORQUE - 2470 PSI SPP.
18:00	01:00	07:00	DIR DRILL F/5284' T/6195' 911' @ 130.4 FT/HR - W/20-25K WT ON BIT - 440GPM -125 SPM, 60 RPM - 450 DIFF - 10-13K TORQUE - 2560 PSI SPP.
01:00	06:00	05:00	DIR DRILL F/6195' T/6733' 538' @ 107.6 FT/HR - W/20-25K WT ON BIT - 440GPM -125 SPM, 60 RPM - 350 DIFF - 10-13500K TORQUE - 2560 PSI SPP.
05:55	05:55	00:00	SAFETY MEETING DAYS:PPE, SWA,LOCK OUT- TAG OUT AND HOUSE KEEPING. SAFETY MEETING NIGHTS: PPE,SWA,LAST DAY FOCUS. REGULATORY VISITS: NONE. REGULATORY NOTICE: NONE. INCIDENTS: NONE. SAFETY DRILLS: NONE.

AFE Days vs Depth: \_\_\_\_\_ AFE Cost Vs Depth: \_\_\_\_\_  
 DWOP Days vs Depth: \_\_\_\_\_ # LL/BP Received Today: \_\_\_\_\_

**FUEL AND WATER USAGE**

Fluid	Used	Received	Transferred	On Hand	Cum.Used
Fuel	1,620.0	3,000.0		3,900.0	5,028.0
Gas					
Fresh Well Water					
Nano Water					
Frac Water					
Reserve Pit Water					
Boiler Hours					
Air Heater Hours					
Urea				0.0	
Urea Sys 1 Hrs					
Urea Sys 2 Hrs					
Urea Sys 3 Hrs					

**RECENT CASINGS RUN:**

	Date Set	Size	Grade	Weight	Depth	FIT Depth	FIT ppg
Surface	08/26/2014	8 5/8	J-55	24	1,029		
Conductor	08/20/2014	16	ARJ-55	45	119		

**RECENT BITS:**

BIT	SIZE	MANUF	TYPE	SERIAL NO.	JETS	TFA	DEPTH IN	DEPTH OUT	I-O-D-L-B-G-O-R
1	7.875	HTC	T506	7153346	12/12/12/12/12/12	0.662	1,063		-----

**BIT OPERATIONS:**

BIT	WOB	RPM	GPM	PRESS	HHP	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
1		60/128	440	2,200	2.05	23.50	2,533	107.79	52.50	5,670	108.00

**RECENT MUD MOTORS:**

#	SIZE	MANUF	TYPE	SERIAL NO.	LOBES	DEPTH IN	DEPTH OUT	DATE IN	DATE OUT
1	6.500	HUNTING	FIXED BEND	6236	7/8	1,063		09/20/2014	

**MUD MOTOR OPERATIONS:**

#	WOB	REV/GAL	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
1	25	0.29	23.50	2,533	107.79	52.50	5,670	108.00

**SURVEYS**

Date	TMD	Incl	Azimuth	TVD	VS	NS	EW	DLS	Tool Type
09/23/2014	7,035	2.2	160.77	6,711	1,476.9	-1,434.64	350.95	0.0	Projected Survey Station
09/23/2014	6,983	2.2	160.77	6,660	1,474.9	-1,432.75	350.29	0.5	MWD Survey Tool
09/23/2014	6,907	1.8	158.08	6,584	1,472.2	-1,430.25	349.36	0.6	MWD Survey Tool

**MUD PROPERTIES**

Type	LSND	Mud Wt	9.9	Alk.	5.0	Sand %	1.0	XS Lime lb/bbl	
Temp.	118	Gels 10sec	3	Cl ppm	2,000	Solids %	9.0	Salt bbls	
Visc	39	Gels 10min	7	Ca ppm	20	LGS %	6.0	LCM ppb	0.0
PV	13	pH	9.8	pF	2.5	Oil %		API WL cc	7.2
YP	7	Filter Cake/32	1	Mf	8.5	Water %	91.0	HTHP WL cc	
O/W Ratio		ES		WPS					

Comments: ANCO-BAR 56,drispac-reg 4,DESCO CF 3,lignite 5,lime 22,phpa 2,sawdust 110,flowzan 3,walnut 6,mega-cide 3,ECO-SEAL 3,drispac low 5,trailer 1,engineering 1.

Flaring: Flare Foot-Minutes 0 Flared MCF 0.0 Cum. Flared MCF 0.0

**SURFACE PUMP/BHA INFORMATION**

Pump 1 Liner	6.5	Stroke Len	9.0	SPM	123	PSI	2,447	GPM	436	SPR	43	Slow PSI	482
Pump 2 Liner		Stroke Len		SPM		PSI		GPM		SPR	43	Slow PSI	485
Pump 32 Liner		Stroke Len		SPM		PSI		GPM		SPR		Slow PSI	
BHA Makeup		STEARABLE						Length	889.8			Hours on BHA	53
Up Weight	150,000	Dn Weight	110,000	RT Weight	55,000			Torque	12,000			Hours on Motor	53

**BHA MAKEUP:**

#	Component	OD	ID	Length	Weight (ft/lb)	Serial Number	Description
1	DRILL BIT	7.875		1.00		7153346	HUGHS T506 6X12
2	MUD MOTOR	6.500	0.000	34.85		6236	1.5 DEG FBH 7/8 6.7STG. .29 REV
3	NON MAG MONEL	6.063	2.875	31.53		ATM64-513	4.5 XH P x B
4	EM GAP SUB	6.400	2.813	3.80		GSB0398	4.5 XH P x B
5	NON MAG FLEX MONEL	6.313	2.750	29.61		9041	4.5 XH P x B
6	DRILL COLLAR	6.500	2.750	30.15		RIG	4.5 XH P x B
7	18JTS HWDP	4.500	2.750	546.54		RIG	4.5 XH P x B
8	DRILLING JARS	6.550	2.625	30.14		42986J	4.5 XH P x B(SMITH)HE JARS
9	6JTS HWDP	4.500	2.313	182.78		RIG	4.5 XH P x B

**DAILY COSTS**

	DAILY	CUM	AFE		DAILY	CUM	AFE
8100..100: Permits & Fees			4,500	8100..105: Insurance			2,000
8100..110: Staking & Surveying			1,500	8100..120: Surface Damages & R			
8100..200: Location Roads		28,729	50,000	8100..210: Reclamation			
8100..220: Secondary Reclamati				8100..230: Pit Solidification			5,000
8100..300: Water Well				8100..310: Water/Water Disposa	368	4,286	7,500
8100..320: Mud & Chemicals	5,732	13,648	45,000	8100..325: Oil Base Mud Diesel			
8100..400: Drilling Rig	19,425	103,243	127,000	8100..402: Drilling Rig Cleani			
8100..405: Rig Fuel	9,219	18,437	40,000	8100..410: Mob/Demob			17,000
8100..420: Bits & Reamers			15,500	8100..500: Roustabout Services			7,000
8100..510: Testing/Inspection/		3,671	5,000	8100..520: Trucking & Hauling		1,130	10,000
8100..530: Equipment Rental	3,260	12,221	25,000	8100..531: Down Hole Motor Ren			1,500
8100..532: Solids Control Equi	425	1,593	7,000	8100..535: Directional Drillin	8,150	24,450	76,000
8100..540: Fishing				8100..600: Surface Casing/Inte		19,083	20,000
8100..605: Cementing Work		19,137	25,000	8100..610: P & A			
8100..700: Logging - Openhole			15,000	8100..705: Logging - Mud			
8100..800: Supervision/Consult	5,000	18,749	25,000	8100..810: Engineering/Evaluat			
8100..900: Contingencies	5,856	26,522		8100..950: Administrative O/H			
8100..999: Non Operated IDC			7,000	8200..510: Testing/Inspection/			2,000
8200..520: Trucking & Hauling			25,000	8200..530: Equipment Rental			37,500
8200..605: Cementing Work				8210..600: Production Casing	1,658	102,111	94,000
8210..620: Wellhead/Casing Hea		7,146	20,000	Total Cost	59,093	404,155	717,000

**ULTRA RESOURCES, INC.**  
**DAILY DRILLING REPORT DATE: 09/24/2014**

WELL NAME THREE RIVERS 4-38T-820 AFE# 140973 SPUD DATE 09/21/2014  
 WELL SITE CONSULTANT JOHN FREITAS/KING BROWN PHONE# 713-948-9196 CONTRACTOR Ensign 122  
 TD AT REPORT 7,035' FOOTAGE 302' PRATE 54.9 CUM. DRLG. HRS 65.5 DRLG DAYS SINCE SPUD 3  
 ANTICIPATED TD 7,022' PRESENT OPS Run Production Casing at 7,035' GEOLOGIC SECT. \_\_\_\_\_  
 DAILY MUD LOSS SURF: \_\_\_\_\_ DH: 200 CUM. MUD LOSS SURF: 10 DH: 450  
 MUD COMPANY: ANCHOR MUD ENGINEER: DAN KASTEL  
 LAST BOP TEST 09/21/2014 NEXT CASING SIZE 5 1/2 NEXT CASING DEPTH 7,020 SSE 1 SSED 1

**TIME BREAKDOWN**

CASING & CEMENT 6.00 COND MUD & CIRCULATE 0.50 DIRECTIONAL DRILLING 5.50  
 TRIPPING 6.00 WIRELINE 6.00

**DETAILS**

Start	End	Hrs	
06:00	11:30	05:30	DIR DRILL F/6733' T/7035'(TD) 302' @ 54.90 FT/HR - W/20-25K WT ON BIT - 440GPM -125 SPM, 60 RPM - 350 DIFF - 10-13500K TORQUE - 2560 PSI SPP.ON BOTTOM ROP 134.50
11:30	12:00	00:30	CIRC HOLE CLEAN.FLOW CHECK.
12:00	18:00	06:00	PULL OUT OF THE HOLE, SAW A TIGHT SPOT AT 6518' OTHER THAN THAT IT CAME OUT SMOOTH, LAY DOWN DIR TOOLS.FUNCTION TEST BLIND RAMS.
18:00	20:00	02:00	SAFETY MTNG. R/U WIRE LINE AND RIH T/6490'(CASTLE PEAK).
20:00	23:00	03:00	LOG F/ 6490' TO SURFACE W/HALIBURTON. TOOLS- RELEASABLE WIRELINE CABLE HEAD,GAMMA TELEMETRY, DUEL SPACE NEUTRON, DNS DECENTRALIZER, SPECTRAL DENSITY TOOL,DENSITY INSITE PAD, ARRAY COMPENSATED TRUE RESISTIVITY INSTRUMENT SECTION, ARRAY COMPENSATED RESISTIVITY SONDE SECTION, SP RING AND ROLLER BOOGIE.
23:00	00:00	01:00	R/D WIRE LINE EQUIP. PREPAIR RIG FOR CASING.
00:00	06:00	06:00	R/U AND RUN 45 JOINTS 5 1/2" L-80 AND 113 JOINTS 5 1/2" J-55, 17#, LT&C CASING + 2 MARKER JOINTS +FLOAT SHOE AND FLOAT COLLAR. SET @ 7019' RKB.
05:55	05:55	00:00	SAFETY MEETING DAYS:PPE, SWA,TRIPPING AND LOGGING. SAFETY MEETING NIGHTS: PPE,SWA,CASING AND CEMENT. REGULATORY VISITS: NONE. INCIDENTS: NONE. SAFETY DRILLS: NONE. REGULATORY NOTICES; NOTIFY STATE OF BOPE TEST.

AFE Days vs Depth: \_\_\_\_\_ AFE Cost Vs Depth: \_\_\_\_\_  
 DWOP Days vs Depth: \_\_\_\_\_ # LL/BP Received Today: \_\_\_\_\_

**FUEL AND WATER USAGE**

Fluid	Used	Received	Transferred	On Hand	Cum.Used
Fuel	960.0			2,940.0	5,988.0
Gas					
Fresh Well Water					
Nano Water					
Frac Water					
Reserve Pit Water					
Boiler Hours					
Air Heater Hours					
Urea				0.0	
Urea Sys 1 Hrs					
Urea Sys 2 Hrs					
Urea Sys 3 Hrs					

**CASING EQUIPMENT**

R/U AND RUN 45 JOINTS 5 1/2" L-80 AND 113 JOINTS 5 1/2" J-55, 17#, LT&C CASING + 2 MARKER JOINTS +FLOAT SHOE AND FLOAT COLLAR. SET @ 7020' RKB.

**CEMENT JOB SUMMARY**

R/U HES TO FLOOR-CHECK HEAD: LOAD PLUG WITNESED BY CO-MAN. R/U HEAD & IRON.PUMP 3bbbls WTR & TEST LINES T/5,000psi. PUMP 50bbbl TUNED SPACER III. MIX & PUMP 146bbbls LEAD CMT@ 11.0ppg/YIELD OF 3.541ft3/SK/21.31gal WTR/SK(235SKS),MIX & PUMP 113bbbls TAIL CMT@ 14.0ppg/1.35ft3/SK/5.82gal/SK (470SKS). WASH UP. DROP PLUG & DISP/158.0bbbls WTR.BUMP PLUG/2651=500psi OVER FCP OF 2151psi. BLEED BACK 1.5bbbls T/TRUCK. FLOATS HELD.\*\*\*FULL RETURNS ON DISPLACEMENT\*\*\*SAW TRACE OF CEMENT TO SURFACE\*\*\*

**RECENT CASINGS RUN:**

	<b>Date Set</b>	<b>Size</b>	<b>Grade</b>	<b>Weight</b>	<b>Depth</b>	<b>FIT Depth</b>	<b>FIT ppg</b>
Production	09/24/2014	5 1/2	N-80	17	7,020		
Production	09/24/2014	5 1/2	J-55	17	4,992		
Surface	08/26/2014	8 5/8	J-55	24	1,029		
Conductor	08/20/2014	16	ARJ-55	45	119		

**RECENT BITS:**

BIT	SIZE	MANUF	TYPE	SERIAL NO.	JETS	TFA	DEPTH IN	DEPTH OUT	I-O-D-L-B-G-O-R
1	7.875	HTC	T506	7153346	12/12/12/12/12/12	0.662	1,063	7,035	1-1-BT-M-X-X-CT-TD

**BIT OPERATIONS:**

BIT	WOB	RPM	GPM	PRESS	HHP	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
1		60/128	440	2,450	2.19	5.50	302	54.91	58.00	5,972	102.97

**RECENT MUD MOTORS:**

#	SIZE	MANUF	TYPE	SERIAL NO.	LOBES	DEPTH IN	DEPTH OUT	DATE IN	DATE OUT
1	6.500	HUNTING	FIXED BEND	6236	7/8	1,063	7,035	09/20/2014	09/23/2014

**MUD MOTOR OPERATIONS:**

#	WOB	REV/GAL	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
1	25	0.29	5.50	302	54.91	58.00	5,972	102.97

**SURVEYS**

Date	TMD	Incl	Azimuth	TVD	VS	NS	EW	DLS	Tool Type
09/23/2014	7,035	2.2	160.77	6,711	1,476.9	-1,434.64	350.95	0.0	Projected Survey Station
09/23/2014	6,983	2.2	160.77	6,660	1,474.9	-1,432.75	350.29	0.5	MWD Survey Tool
09/23/2014	6,907	1.8	158.08	6,584	1,472.2	-1,430.25	349.36	0.6	MWD Survey Tool

**MUD PROPERTIES**

Type	LSND	Mud Wt	10.2	Alk.	3.0	Sand %	1.0	XS Lime lb/bbl	
Temp.	130	Gels 10sec	34	Cl ppm		Solids %	11.0	Salt bbls	
Visc	44	Gels 10min	10	Ca ppm	20	LGS %	3.0	LCM ppb	1.0
PV	16	pH	9.5	pF	1.0	Oil %	1.0	API WL cc	6.8
YP	11	Filter Cake/32	1	Mf	5.0	Water %	88.0	HTHP WL cc	
O/W Ratio		ES		WPS					

Comments: ANCO-BAR 0,drispac-reg 4,DESCO CF 0,GEL-15,lime 11,phpa 1,sawdust 40,flowzan-4, SOLTEX-40,walnut-57,mega-cide 3,ECO-SEAL-4,drispac low-8,trailer 1,engineering 1.

Flaring: Flare Foot-Minutes 0 Flared MCF 0.0 Cum. Flared MCF 0.0

**SURFACE PUMP/BHA INFORMATION**

Pump 1 Liner	6.5	Stroke Len	9.0	SPM	123	PSI	2,447	GPM	436	SPR	43	Slow PSI	482
Pump 2 Liner	---	Stroke Len	---	SPM	---	PSI	---	GPM	---	SPR	43	Slow PSI	485
Pump 32 Liner	---	Stroke Len	---	SPM	---	PSI	---	GPM	---	SPR	---	Slow PSI	---
BHA Makeup	STEARABLE						Length	889.8	Hours on BHA	58			
Up Weight	150,000	Dn Weight	110,000	RT Weight	55,000	Torque	12,000	Hours on Motor	58				

**BHA MAKEUP:**

#	Component	OD	ID	Length	Weight (ft/lb)	Serial Number	Description
1	DRILL BIT	7.875		1.00		7153346	HUGHS T506 6X12
2	MUD MOTOR	6.500	0.000	34.85		6236	1.5 DEG FBH 7/8 6.7STG. .29 REV
3	NON MAG MONEL	6.063	2.875	31.53		ATM64-513	4.5 XH P x B
4	EM GAP SUB	6.400	2.813	3.80		GSB0398	4.5 XH P x B
5	NON MAG FLEX MONEL	6.313	2.750	29.61		9041	4.5 XH P x B
6	DRILL COLLAR	6.500	2.750	30.15		RIG	4.5 XH P x B
7	18JTS HWDP	4.500	2.750	546.54		RIG	4.5 XH P x B
8	DRILLING JARS	6.550	2.625	30.14		42986J	4.5 XH P x B(SMITH)HE JARS
9	6JTS HWDP	4.500	2.313	182.78		RIG	4.5 XH P x B

**DAILY COSTS**

	DAILY	CUM	AFE		DAILY	CUM	AFE
8100..100: Permits & Fees			4,500	8100..105: Insurance			2,000
8100..110: Staking & Surveying			1,500	8100..120: Surface Damages & R			
8100..200: Location Roads		28,729	50,000	8100..210: Reclamation			
8100..220: Secondary Reclamati				8100..230: Pit Solidification			5,000
8100..300: Water Well				8100..310: Water/Water Disposa	547	4,833	7,500
8100..320: Mud & Chemicals	10,277	23,925	45,000	8100..325: Oil Base Mud Diesel			
8100..400: Drilling Rig	19,425	122,668	127,000	8100..402: Drilling Rig Cleani			
8100..405: Rig Fuel		18,437	40,000	8100..410: Mob/Demob			17,000
8100..420: Bits & Reamers			15,500	8100..500: Roustabout Services			7,000
8100..510: Testing/Inspection/		3,671	5,000	8100..520: Trucking & Hauling		1,130	10,000
8100..530: Equipment Rental	3,260	15,481	25,000	8100..531: Down Hole Motor Ren			1,500
8100..532: Solids Control Equi	425	2,018	7,000	8100..535: Directional Drillin	3,500	27,950	76,000
8100..540: Fishing				8100..600: Surface Casing/Inte		19,083	20,000
8100..605: Cementing Work		19,137	25,000	8100..610: P & A			
8100..700: Logging - Openhole	12,287	12,287	15,000	8100..705: Logging - Mud			
8100..800: Supervision/Consult	5,000	23,749	25,000	8100..810: Engineering/Evaluat			
8100..900: Contingencies	6,019	32,541		8100..950: Administrative O/H			
8100..999: Non Operated IDC				8200..510: Testing/Inspection/			2,000
8200..520: Trucking & Hauling			7,000	8200..530: Equipment Rental			37,500
8200..605: Cementing Work			25,000	8210..600: Production Casing		102,111	94,000
8210..620: Wellhead/Casing Hea		7,146	20,000	Total Cost	60,740	464,895	717,000

**ULTRA RESOURCES, INC.**  
**DAILY DRILLING REPORT DATE: 09/25/2014**

WELL NAME THREE RIVERS 4-38T-820 AFE# 140973 SPUD DATE 09/21/2014  
 WELL SITE CONSULTANT JOHN FREITAS/KING BROWN PHONE# 713-948-9196 CONTRACTOR Ensign 122  
 TD AT REPORT 7,035' FOOTAGE 0' PRATE \_\_\_\_\_ CUM. DRLG. HRS 65.5 DRLG DAYS SINCE SPUD 4  
 ANTICIPATED TD 7,022' PRESENT OPS \_\_\_\_\_ Rig down at 7,035' GEOLOGIC SECT. \_\_\_\_\_  
 DAILY MUD LOSS SURF: \_\_\_\_\_ DH: 200 CUM. MUD LOSS SURF: 10 DH: 650  
 MUD COMPANY: ANCHOR MUD ENGINEER: DAN KASTEL  
 LAST BOP TEST 09/21/2014 NEXT CASING SIZE 5 1/2 NEXT CASING DEPTH 7,020 SSE 1 SSED 1

**TIME BREAKDOWN**

CASING & CEMENT 2.50 COND MUD & CIRCULATE 2.00 OTHER 0.50  
 RIG UP / TEAR DOWN 19.00

**DETAILS**

Start	End	Hrs	
06:00	08:00	02:00	LAND MANDREL IN WELL HEAD, CIRC WHILE WE RIG UP HOWCO.
08:00	08:30	00:30	PJSM WITH HOWCO AND INSTALL CEMENT HEAD.
08:30	11:00	02:30	LOAD PLUG WITNESED BY CO-MAN. R/U HEAD & IRON.PUMP 3bbls WTR & TEST LINES T/5,000psi. PUMP 50bbl TUNED SPACER III. MIX & PUMP 146bbls LEAD CMT@11.0ppg/YIELD OF 3.541ft3/SK/21.31gal WTR/SK(235SKS),MIX & PUMP 113bbls TAIL CMT@14.0ppg/1.35ft3/SK/5.82gal/SK (470SKS). WASH UP. DROP PLUG & DISP/158.0bbls WTR.BUMP PLUG/2651=500psi OVER FCP OF 2151psi. BLEED BACK 1.5bbls T/TRUCK. FLOATS HELD.***FULL RETURNS ON DISPLACEMENT***SAW TRACE OF CEMENT TO SURFACE***
11:00	18:00	07:00	PJSM PRIOR TO NIPPLE DOWN, NIPPLE DOWN BOP, RIG DOWN FOR A IN FIELD RIG MOVE.
18:00	00:00	06:00	RIG DOWN AND PREFORM MAINTENANCE. LUBE AND INSPECT HOSES AND CHAINS IN DERRICK.REMOVE SKIDS, GO THRU PUMP 1, VALVES, SEATS, HEADS, CHANGE INTESIFIER ON ROUGHNECK,CLEAN AND INSPECT TOP DRIVE FOR LEAKS,DO OVERHEAD HPU MOTOR, LITE PLANT,CLEAN PITS WITH THIRD PARTY, CHANGE DIES ON PIPE ARM,IRON ROUGHNECK AND SCOPE BOX,INSPECT HYDROIC LINES FROM OPEN LOOP TO SUB STRUCTURE, CHANGE OIL IN LIGHT PLANT 2, CHANGE OIL AND FUEL FILTERS IN HPU,CLEAN AND SCRUB DERRICK,REPLACE SUCTION VALVE IN PILL TANK,GREASE AND INSPECT PILLER BLOCKS ON PIPE ARMS,CLEAN PUMP RADIATORS AND INSPECT BELTS, SORT JUNK TUB AND TIGHTIEN PULL DOWN CABLES,INSPECT FORKLIFT,RIG RELEASE AT 06:00.
00:00	06:00	06:00	CONT RIG DOWN FOR FIELD MOVE. CLEAN MUD TANKS AND RIG. RIG RELEASE @ 06:00 HRS.
05:55	05:55	00:00	SAFETY MEETING DAYS:PPE, SWA,TRIPPING AND LOGGING. SAFETY MEETING NIGHTS: PPE,SWA,CASING AND CEMENT. REGULATORY VISITS: NONE. INCIDENTS: NONE. SAFETY DRILLS: NONE. REGULATORY NOTICES; NONE.

AFE Days vs Depth: \_\_\_\_\_ AFE Cost Vs Depth: \_\_\_\_\_  
 DWOP Days vs Depth: \_\_\_\_\_ # LL/BP Received Today: \_\_\_\_\_

**FUEL AND WATER USAGE**

	Used	Received	Transferred	On Hand	Cum.Used
Fluid					
Fuel	940.0			2,000.0	6,928.0
Gas					
Fresh Well Water					
Nano Water					
Frac Water					
Reserve Pit Water					
Boiler Hours					
Air Heater Hours					
Urea				0.0	
Urea Sys 1 Hrs					
Urea Sys 2 Hrs					
Urea Sys 3 Hrs					

**CEMENT JOB SUMMARY**

R/U HES TO FLOOR-CHECK HEAD: LOAD PLUG WITNESED BY CO-MAN. R/U HEAD & IRON.PUMP 3bbls WTR & TEST LINES T/5,000psi. PUMP 50bbl TUNED SPACER III. MIX & PUMP 146bbls LEAD CMT@11.0ppg/YIELD OF 3.541ft3/SK/21.31gal WTR/SK(235SKS),MIX & PUMP 113bbls TAIL CMT@14.0ppg/1.35ft3/SK/5.82gal/SK (470SKS). WASH UP. DROP PLUG & DISP/158.0bbls WTR.BUMP PLUG/2651=500psi OVER FCP OF 2151psi. BLEED BACK 1.5bbls T/TRUCK. FLOATS HELD.\*\*\*FULL RETURNS ON DISPLACEMENT\*\*\*SAW TRACE OF CEMENT TO SURFACE\*\*\*

RECENT CASINGS RUN:	Date Set	Size	Grade	Weight	Depth	FIT Depth	FIT ppg
Production	09/24/2014	5 1/2	N-80	17	7,020		
Production	09/24/2014	5 1/2	J-55	17	4,992		
Surface	08/26/2014	8 5/8	J-55	24	1,029		
Conductor	08/20/2014	16	ARJ-55	45	119		

**RECENT BITS:**

BIT	SIZE	MANUF	TYPE	SERIAL NO.	JETS	TFA	DEPTH IN	DEPTH OUT	I-O-D-L-B-G-O-R
1	7.875	HTC	T506	7153346	12/12/12/12/12	0.662	1,063	7,035	1-1-BT-M-X-X-CT-TD

**BIT OPERATIONS:**

BIT	WOB	RPM	GPM	PRESS	HHP	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
1		60/128	440	2,450	2.19	5.50	302	54.91	58.00	5,972	102.97

**RECENT MUD MOTORS:**

#	SIZE	MANUF	TYPE	SERIAL NO.	LOBES	DEPTH IN	DEPTH OUT	DATE IN	DATE OUT
1	6.500	HUNTING	FIXED BEND	6236	7/8	1,063	7,035	09/20/2014	09/23/2014

**MUD MOTOR OPERATIONS:**

#	WOB	REV/GAL	HRS	24hr DIST	24HR ROP	CUM HRS	CUM DIST	CUM ROP
1	25	0.29	5.50	302	54.91	58.00	5,972	102.97

**SURVEYS**

Date	TMD	Incl	Azimuth	TVD	VS	NS	EW	DLS	Tool Type
09/23/2014	7,035	2.2	160.77	6,711	1,476.9	-1,434.64	350.95	0.0	Projected Survey Station
09/23/2014	6,983	2.2	160.77	6,660	1,474.9	-1,432.75	350.29	0.5	MWD Survey Tool
09/23/2014	6,907	1.8	158.08	6,584	1,472.2	-1,430.25	349.36	0.6	MWD Survey Tool

**MUD PROPERTIES**

Type	<u>LSND</u>	Mud Wt	<u>10.2</u>	Alk.	<u>3.0</u>	Sand %	<u>1.0</u>	XS Lime lb/bbl	_____
Temp.	<u>130</u>	Gels 10sec	<u>34</u>	Cl ppm	_____	Solids %	<u>11.0</u>	Salt bbls	_____
Visc	<u>44</u>	Gels 10min	<u>10</u>	Ca ppm	<u>20</u>	LGS %	<u>3.0</u>	LCM ppb	<u>1.0</u>
PV	<u>16</u>	pH	<u>9.5</u>	pF	<u>1.0</u>	Oil %	<u>1.0</u>	API WL cc	<u>6.8</u>
YP	<u>11</u>	Filter Cake/32	<u>1</u>	Mf	<u>5.0</u>	Water %	<u>88.0</u>	HTHP WL cc	_____
O/W Ratio	_____	ES	_____	WPS	_____				

Comments: ANCO-BAR 0,drispac-reg 4,DESCO CF 0,GEL-15,lime 11,phpa 1,sawdust 40,flowzan-4, SOLTEX-40,walnut-57,mega-cide 3,ECO-SEAL-4,drispac low-8,trailer 1,engineering 1.

Flaring: Flare Foot-Minutes 0 Flared MCF 0.0 Cum. Flared MCF 0.0

**SURFACE PUMP/BHA INFORMATION**

Pump 1 Liner	6.5	Stroke Len	9.0	SPM	123	PSI	2,447	GPM	436	SPR	43	Slow PSI	482
Pump 2 Liner	---	Stroke Len	---	SPM	---	PSI	---	GPM	---	SPR	43	Slow PSI	485
Pump 32 Liner	---	Stroke Len	---	SPM	---	PSI	---	GPM	---	SPR	---	Slow PSI	---
BHA Makeup	STEARABLE			Length			889.8	Hours on BHA			58		
Up Weight	150,000	Dn Weight	110,000	RT Weight	55,000	Torque			12,000	Hours on Motor			58

**BHA MAKEUP:**

#	Component	OD	ID	Length	Weight (ft/lb)	Serial Number	Description
1	DRILL BIT	7.875		1.00		7153346	HUGHS T506 6X12
2	MUD MOTOR	6.500	0.000	34.85		6236	1.5 DEG FBH 7/8 6.7STG. .29 REV
3	NON MAG MONEL	6.063	2.875	31.53		ATM64-513	4.5 XH P x B
4	EM GAP SUB	6.400	2.813	3.80		GSB0398	4.5 XH P x B
5	NON MAG FLEX MONEL	6.313	2.750	29.61		9041	4.5 XH P x B
6	DRILL COLLAR	6.500	2.750	30.15		RIG	4.5 XH P x B
7	18JTS HWDP	4.500	2.750	546.54		RIG	4.5 XH P x B
8	DRILLING JARS	6.550	2.625	30.14		42986J	4.5 XH P x B(SMITH)HE JARS
9	6JTS HWDP	4.500	2.313	182.78		RIG	4.5 XH P x B

**DAILY COSTS**

	DAILY	CUM	AFE		DAILY	CUM	AFE
8100..100: Permits & Fees			4,500	8100..105: Insurance			2,000
8100..110: Staking & Surveying			1,500	8100..120: Surface Damages & R			
8100..200: Location Roads		28,729	50,000	8100..210: Reclamation			
8100..220: Secondary Reclamati				8100..230: Pit Solidification			5,000
8100..300: Water Well				8100..310: Water/Water Disposa	6,120	10,953	7,500
8100..320: Mud & Chemicals		23,925	45,000	8100..325: Oil Base Mud Diesel			
8100..400: Drilling Rig	19,425	142,093	127,000	8100..402: Drilling Rig Cleani			
8100..405: Rig Fuel		18,437	40,000	8100..410: Mob/Demob			17,000
8100..420: Bits & Reamers	13,467	13,467	15,500	8100..500: Roustabout Services			7,000
8100..510: Testing/Inspection/	550	4,221	5,000	8100..520: Trucking & Hauling		1,130	10,000
8100..530: Equipment Rental	3,260	18,741	25,000	8100..531: Down Hole Motor Ren			1,500
8100..532: Solids Control Equi	425	2,443	7,000	8100..535: Directional Drillin		27,950	76,000
8100..540: Fishing				8100..600: Surface Casing/Inte		19,083	20,000
8100..605: Cementing Work		19,137	25,000	8100..610: P & A			
8100..700: Logging - Openhole		12,287	15,000	8100..705: Logging - Mud			
8100..800: Supervision/Consult	5,000	28,749	25,000	8100..810: Engineering/Evaluat			
8100..900: Contingencies	8,954	41,495		8100..950: Administrative O/H			
8100..999: Non Operated IDC				8200..510: Testing/Inspection/			2,000
8200..520: Trucking & Hauling			7,000	8200..530: Equipment Rental			37,500
8200..605: Cementing Work	38,854	38,854	25,000	8210..600: Production Casing		102,111	94,000
8210..620: Wellhead/Casing Hea		7,146	20,000	Total Cost	96,055	560,950	717,000



DATE: 7-20-2014  
WELL: TR 4-387-820

### ACCUMULATOR FUNCTION TEST

TO CHECK THE USABLE FLUID STORED IN THE NITROGEN BOTTLES ON THE ACCUMULATOR (OO #2 III.A.2.c.i. or ii or iii)

1. Make sure all rams and annular are open and if applicable HCR is closed
2. Ensure accumulator is pumped up to working pressure! (Shut off all pumps)
3. Open HCR valve. (if applicable)
4. Close annular.
5. Close all pipe rams.
6. Open one set of pipe rams to simulate closing the blind rams.
7. If you have a 3 Ram stack open the annular to achieve the 50 +/- % safety factor for 5M and greater systems.
8. Accumulator pressure should be 200 psi over precharge pressure (Accumulator working pressure (1,500 psi = 750 desired psi) (2,000 and 3,000 psi = 1,000 desired psi)).

9. RECORD THE REMAINING PRESSURE 1,300 PSI  
If annular is closed, open it at this time and close HCR.

TO CHECK THE CAPACITY OF THE ACCUMULATOR PUMPS (OO #2 III.A.2.f.)

Shut the accumulator bottles or spherical (isolate them from the pumps & manifold) open the bleed off valve to the tank (Manifold psi should go to zero psi) close bleed valve.

1. Open the HCR valve. (if applicable)
2. Close annular.
3. With pumps only, time how long it takes to re-gain manifold pressure to 200 psi over desired precharge pressure! (Accumulator working pressure (1,500 psi = 750 psi desired psi) (2,000 and 3,000 psi = 1,000 desired psi)).

4. RECORD ELAPSED TIME 1 min 25 sec PSI (2 minutes or less)

TO CHECK THE PRECHARGE ON THE BOTTLES OR SPHERICAL (OO #2 III.A.2.d.)

1. Open bottles back up to the manifold (pressure should be above the desired precharge pressure (1,500 psi = 750 psi desired psi) (2,000 and 3,000 psi = 1,000 desired psi)) may need to use pumps to pressure back up.
2. With power to pumps shut off open bleed line to tank.
3. Watch and record where the pressure drops (Accumulator psi).

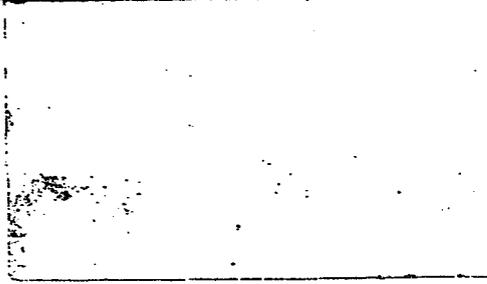
4. RECORD THE PRESSURE DROP 900 PSI

If pressure drops below MINIMUM precharge (Accumulator working pressure (1,500 psi = 700 psi minimum) (2,000 and 3,000 psi = 900 psi minimum)) each bottle shall be independently checked with a gauge.

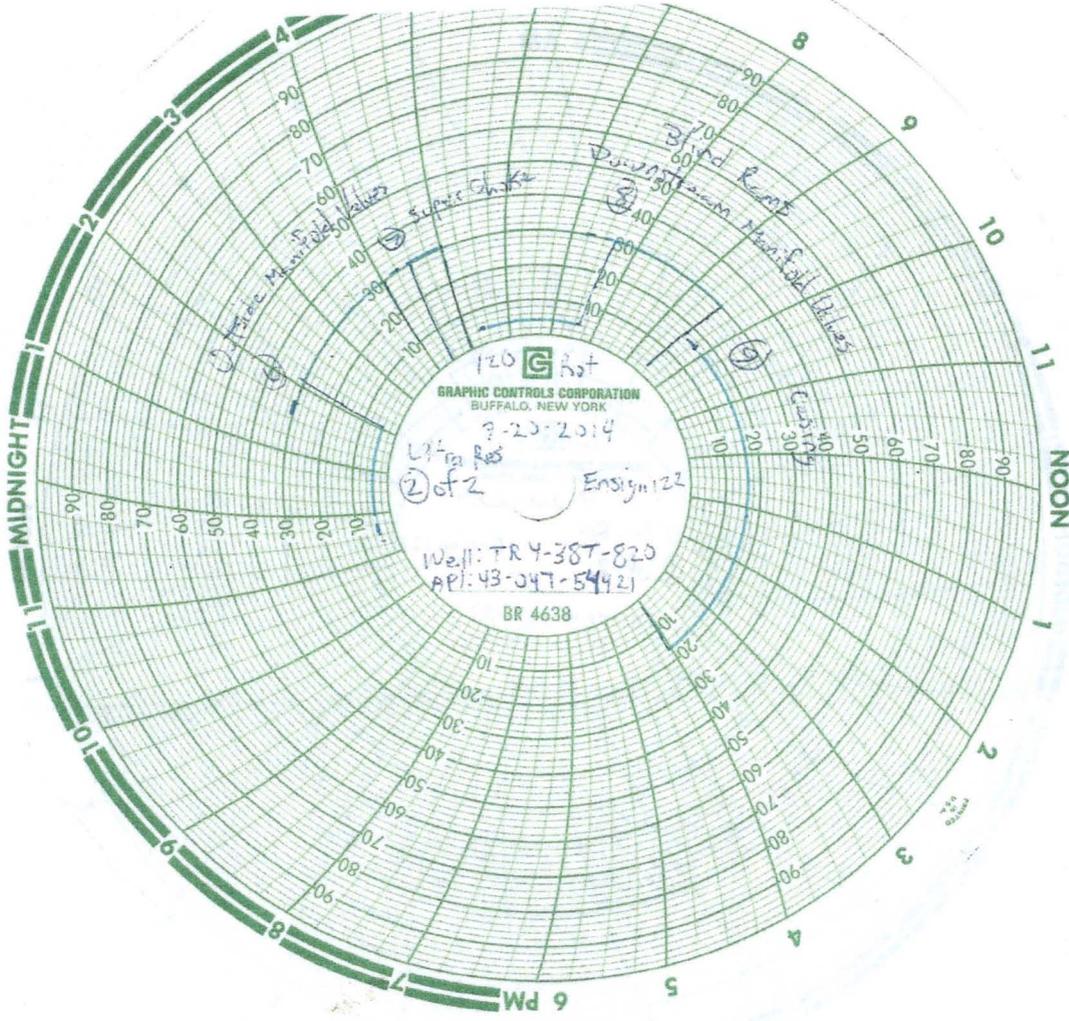
Time	Test No.	Results
3:46 AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	1	Mud Swab <span style="float:right">Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/></span>
4:58 AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	2	Annular <span style="float:right">Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/></span>
5:24 AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	3	Pipe Rams, Inside Manual Kill & Choke Valves, Flow <span style="float:right">Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/></span>
5:52 AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	4	HCR, Check Valve, Dart <span style="float:right">Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/></span>
6:19 AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	5	Inside Manifold Valves, Riser <span style="float:right">Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/></span>
6:46 AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	6	Outside Manifold Valves <span style="float:right">Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/></span>
7:11 AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	7	Super Choke <span style="float:right">Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/></span>
7:35 AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	8	Blind Rams, Downstream Manifold Valves <span style="float:right">Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/></span>
8:11 AM <input checked="" type="checkbox"/> PM <input type="checkbox"/>	9	Casing <span style="float:right">Pass <input checked="" type="checkbox"/> Fail <input type="checkbox"/></span>
AM <input type="checkbox"/> PM <input type="checkbox"/>	10	<span style="float:right">Pass <input type="checkbox"/> Fail <input type="checkbox"/></span>
AM <input type="checkbox"/> PM <input type="checkbox"/>	11	<span style="float:right">Pass <input type="checkbox"/> Fail <input type="checkbox"/></span>
AM <input type="checkbox"/> PM <input type="checkbox"/>	12	<span style="float:right">Pass <input type="checkbox"/> Fail <input type="checkbox"/></span>
AM <input type="checkbox"/> PM <input type="checkbox"/>	13	<span style="float:right">Pass <input type="checkbox"/> Fail <input type="checkbox"/></span>
AM <input type="checkbox"/> PM <input type="checkbox"/>	14	<span style="float:right">Pass <input type="checkbox"/> Fail <input type="checkbox"/></span>
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	<span style="float:right">Pass <input type="checkbox"/> Fail <input type="checkbox"/></span>
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	<span style="float:right">Pass <input type="checkbox"/> Fail <input type="checkbox"/></span>
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	<span style="float:right">Pass <input type="checkbox"/> Fail <input type="checkbox"/></span>
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	<span style="float:right">Pass <input type="checkbox"/> Fail <input type="checkbox"/></span>
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	<span style="float:right">Pass <input type="checkbox"/> Fail <input type="checkbox"/></span>
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	<span style="float:right">Pass <input type="checkbox"/> Fail <input type="checkbox"/></span>
AM <input type="checkbox"/> PM <input type="checkbox"/>	Retest	<span style="float:right">Pass <input type="checkbox"/> Fail <input type="checkbox"/></span>

Acc. Tank Size (inches) | W | D | ( ) + 231 = gal

Rock Springs, WY (307) 342-3350  
 BOP TESTING, CASING TESTING, LEAK OFF TESTING, &  
 INTEGRITY TESTING  
 NIPPLE UP CREWS, NITROGEN CHARGING SERVICE.







277-003

Ensign

685

WALKER INSPECTION,LLC.  
REBEL TESTING · EAGER BEAVER TESTERS  
WYOMING · COLORADO · NORTH DAKOTA

Daily JSA/Observation Report

OPERATOR: Ultra Res  
LOCATION: TR 4-38T-820  
EMPLOYEE NAME: Dustin Redmond

DATE: 9-20-2014  
CONTRACTOR: Ensign 122

- High Pressure Testing
- Working Below Platform
- Requires PPE
- Overhead Work is Occurring
- Confined Spaces are Involved
- Set up of Containment
- Using Rig Hoist to Lift Tools
- Other: \_\_\_\_\_

COMMENTS: Safety Awareness  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

SIGNATURE: [Signature]

DATE: 9-20-2014

WALKER INSPECTION, LLC. AND AFFILIATES  
ATTENDANCE:

<u>LUPIG JLEGAS</u>		
<u>[Signature]</u>		

Observation Report

EMPLOYEE REPORTING: Dustin Redmond SIGNATURE: [Signature]

- Was job set up and performed correctly and to best of companies ability?  Y  N
- Was all safety equipment used correctly by all involved?  Y  N
- Any incidents or near misses to report about WI?  Y  N
- Any incidents or near misses to report in general?  Y  N
- Any spills or environmental issues to report?  Y  N

Basic Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

AMENDED REPORT  FORM 8

(highlight changes)  
5. LEASE DESIGNATION AND SERIAL NUMBER:  
**UT016**

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF WORK: NEW WELL  HORIZ. LATS.  DEEP-EN  RE-ENTRY  DIFF. RESVR.  OTHER \_\_\_\_\_

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:  
**THREE RIVERS 4-38T-820**

2. NAME OF OPERATOR:  
**Ultra Resources, Inc.**

9. API NUMBER:  
**4304754421**

3. ADDRESS OF OPERATOR:  
**304 Inverness Way So. CITY Englewood STATE CO ZIP 80112** PHONE NUMBER: **(303) 645-9804**

10. FIELD AND POOL, OR WILDCAT  
**THREE RIVERS**

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **1530 FSL 2293 FEL 40.148583 109.672325**  
AT TOP PRODUCING INTERVAL REPORTED BELOW: **168 FSL 1967 FEL 40.144861 109.671117**  
AT TOTAL DEPTH: **93 FSL 1954 FEL 40.144648 109.671067**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**NWSE 4 8S 20E S**

12. COUNTY **Uintah** 13. STATE **UTAH**

14. DATE SPURRED: **8/20/2014** 15. DATE T.D. REACHED: **9/23/2014** 16. DATE COMPLETED: **10/11/2014** ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
**GL 4752.4**

18. TOTAL DEPTH: MD **7,035** TVD **6,712** 19. PLUG BACK T.D.: MD **7,017** TVD **6,694** 20. IF MULTIPLE COMPLETIONS, HOW MANY? \*

21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)  
**Triple Combo, CBL**

23. WAS WELL CORED? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
24	16 arj55	45	0	119		560		0	
12 1/4	8 5/8 J-55	24	0	1,029		675		0	
7 7/8	5 1/2 J-55	17	0	4,992		705		0	
7 7/8	5 1/2 N-80	17	4,992	7,020		705		50	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	5,160							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Lower GR	5,145	6,890		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
5,145 6,890		300	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

WAS WELL HYDRAULICALLY FRACTURED? YES  NO  IF YES - DATE FRACTURED: **10/7/2014**

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5145 to 6890	Fracture/Stimulate 7 Stages

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY  
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: \_\_\_\_\_

30. WELL STATUS:  
**POW**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 10/11/2014		TEST DATE: 10/23/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 165	GAS - MCF: 66	WATER - BBL: 226	PROD. METHOD: Gas Pumping
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)  
Used on lease

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Upper Green River	2,869
				Mahogany	4,358
				Lower Green River	5,127
				Wasatch	6,893

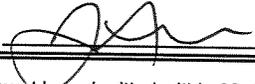
35. ADDITIONAL REMARKS (Include plugging procedure)

Frac material used: 8000 gal HCl Acid, 974076 gal FR-66 Water, 279989 gal DeltaFrac Fluid, 1037235 lbs White Sand

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Jenna Anderson

TITLE Permitting Specialist

SIGNATURE 

DATE 11/7/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

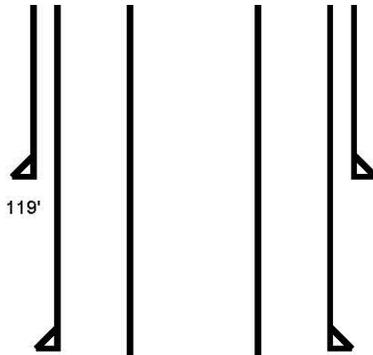
Phone: 801-538-5340

Fax: 801-359-3940

Proposed  
 As Is

**THREE RIVERS 4-38T-820** GL: 4,751.9, KB: 4,764.4  
 Sec 4, 8S, 20E Uintah County, Utah

	Size	Weight	Grade	Depth	Sks/Cmt
<b>Conductor</b>	16	45	ARJ-55	119	560
<b>Surface</b>	8 5/8	24	J-55	1029	675
<b>Production</b>	5 1/2	17	J-55	4992	705
<b>Production</b>	5 1/2	17	N-80	7020	705
<b>Cement Top</b>				50	



STAGE	ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6	ZONE 7
1	6889-6890	6877-6879	6869-6870	6856-6857	6837-6838	6821-6822	6812-6813
2	6693-6695	6692-6693	6691-6692	6687-6688	6685-6686	6679-6680	6677-6678
3	6582-6583	6561-6563	6545-6546	6532-6533	6512-6513	6499-6500	6482-6483
4	6355-6356	6343-6344	6318-6319	6306-6307	6300-6301	6290-6291	6267-6268
5	6086-6087	6073-6074	6039-6040	6030-6031	6008-6009	5988-5989	5947-5948
6	5601-5603	5597-5598	5588-5589	5570-5571	5513-5514	5418-5419	5413-5414
7	5286-5287	5276-5277	5255-5256	5248-5249	5232-5233	5223-5224	5213-5214

Stage	Date	Av. Rate	Av. Press	Proppant	Clean Fluid	Tracer	Screenout
1	10/07/2014	49.0	2,409	116,475	3,668		N
2	10/07/2014	39.0	2,948	134,347	5,412		N
3	10/07/2014	51.0	2,882	158,605	4,939		N
4	10/07/2014	42.0	3,048	191,326	4,062		N
5	10/08/2014	49.0	2,913	181,188	4,918		N
6	10/08/2014	48.0	2,913	103,456	2,871		N
7	10/08/2014	50.0	2,240	151,838	4,181		N
<b>Totals:</b>				<b>1,037,235</b>	<b>30,051</b>		

Actual Formation or Depth	Top	Sand Type	Amount
		Gross Sand Drilled	
		Gross Sand Logged	
		Net Sand	
		Net Pay	

Move In	Spud Date	TD Date	Rig Release	1st Prod	Full Sales
08/26/2014	09/21/2014	09/23/2014	09/25/2014	10/11/2014	

CBL Top  
790'

4,992'

PBTD  
7,017'  
7,020'



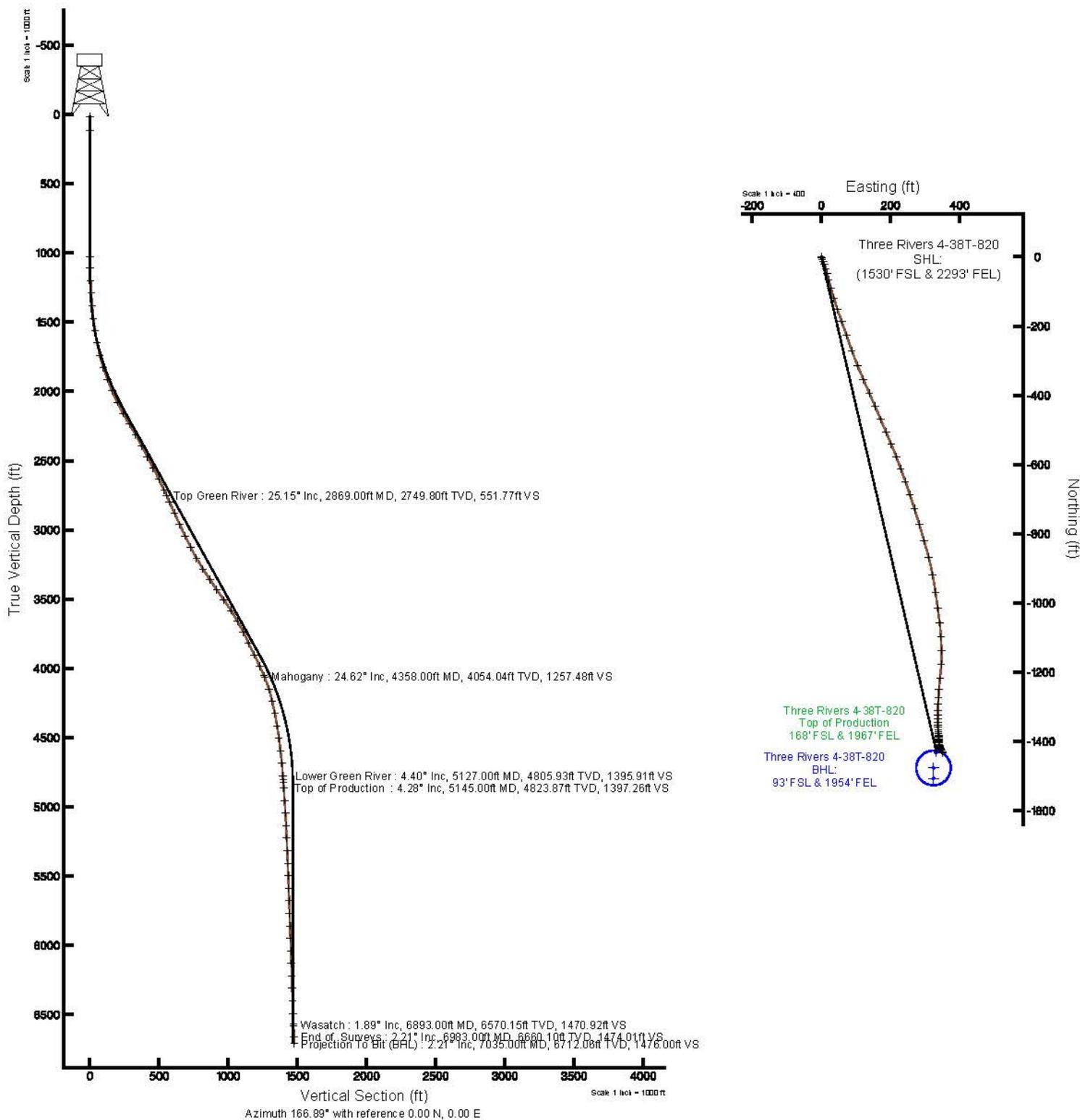
# ULTRA RESOURCES, INC

Location: Three Rivers Slot: Three Rivers 4-38T-820 (1530' FSL & 2293' FEL)

Field: UINTAH COUNTY Well: Three Rivers 4-38T-820

Facility: Sec.04-T8S-R20E Wellbore: Three Rivers 4-38T-820 PWB

Photoreference depths as Three Rivers 4-38T-820 PWB	
True vertical depths are referenced to Crown 122 (RT)	Grid System: NAD83 (Lambert Utah SP, Central Zone (NAD83), US feet)
Measured depths are referenced to Crown 122 (RT)	North Reference: True north
Crown 122 (RT) to Mean Sea Level: 1785.4 feet	Scale: True distance
Mean Sea Level to Grid Line (N) Set: Three Rivers 4-38T-820 (1530' FSL & 2293' FEL): 0 feet	Depth: as in field
Coordinates are as field referenced to Set	Created by: as reference on 11/16/2014





# Actual Wellpath Report

Three Rivers 4-38T-820 AWP

Page 1 of 5



## REFERENCE WELLPATH IDENTIFICATION

Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 4-38T-820 (1530' FSL & 2293' FEL)
Area	Three Rivers	Well	Three Rivers 4-38T-820
Field	UINTAH COUNTY	Wellbore	Three Rivers 4-38T-820 AWB
Facility	Sec.04-T8S-R20E		

## REPORT SETUP INFORMATION

Projection System	NAD83 / Lambert Utah SP, Central Zone (4302), US feet	Software System	WellArchitect® 3.0.0
North Reference	True	User	Ewilliams
Scale	0.999914	Report Generated	11/4/2014 at 2:30:33 PM
Convergence at slot	1.17° East	Database/Source file	WellArchitectDB/Three Rivers 4-38T-820 AWB.xml

## WELLPATH LOCATION

	Local coordinates		Grid coordinates		Geographic coordinates	
	North[ft]	East[ft]	Easting[US ft]	Northing[US ft]	Latitude	Longitude
Slot Location	-2551.01	-1907.96	2151272.43	7228065.76	40°08'54.900"N	109°40'20.370"W
Facility Reference Pt			2153127.51	7230655.14	40°09'20.110"N	109°39'55.800"W
Field Reference Pt			2156630.96	7236613.42	40°10'18.270"N	109°39'09.100"W

## WELLPATH DATUM

Calculation method	Minimum curvature	Ensign 122 (RT) to Facility Vertical Datum	4765.40ft
Horizontal Reference Pt	Slot	Ensign 122 (RT) to Mean Sea Level	4765.40ft
Vertical Reference Pt	Ensign 122 (RT)	Ensign 122 (RT) to Mud Line at Slot (Three Rivers 4-38T-820 (1530' FSL & 2293' FEL))	4765.40ft
MD Reference Pt	Ensign 122 (RT)	Section Origin	N 0.00, E 0.00 ft
Field Vertical Reference	Mean Sea Level	Section Azimuth	166.89°



# Actual Wellpath Report

Three Rivers 4-38T-820 AWP

Page 2 of 5



## REFERENCE WELLPATH IDENTIFICATION

Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 4-38T-820 (1530' FSL & 2293' FEL)
Area	Three Rivers	Well	Three Rivers 4-38T-820
Field	UINTAH COUNTY	Wellbore	Three Rivers 4-38T-820 AWP
Facility	Sec.04-T8S-R20E		

## WELLPATH DATA (76 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
0.00†	0.000	175.260	0.00	0.00	0.00	0.00	40°08'54.900"N	109°40'20.370"W	0.00	
13.00	0.000	175.260	13.00	0.00	0.00	0.00	40°08'54.900"N	109°40'20.370"W	0.00	
119.00	0.000	0.000	119.00	0.00	0.00	0.00	40°08'54.900"N	109°40'20.370"W	0.00	
1029.00	0.000	0.000	1029.00	0.00	0.00	0.00	40°08'54.900"N	109°40'20.370"W	0.00	
1110.00	0.710	175.260	1110.00	0.50	-0.50	0.04	40°08'54.895"N	109°40'20.369"W	0.88	
1200.00	2.700	162.660	1199.95	3.16	-3.08	0.72	40°08'54.870"N	109°40'20.361"W	2.24	
1291.00	3.710	153.670	1290.81	8.17	-7.76	2.66	40°08'54.823"N	109°40'20.336"W	1.24	
1381.00	4.990	156.580	1380.55	14.85	-13.97	5.51	40°08'54.762"N	109°40'20.299"W	1.44	
1472.00	6.410	159.180	1471.10	23.78	-22.35	8.89	40°08'54.679"N	109°40'20.256"W	1.59	
1563.00	8.480	163.760	1561.33	35.52	-33.54	12.57	40°08'54.569"N	109°40'20.208"W	2.36	
1653.00	10.780	167.160	1650.05	50.56	-48.12	16.30	40°08'54.425"N	109°40'20.160"W	2.63	
1744.00	14.100	164.950	1738.90	70.15	-67.12	21.07	40°08'54.237"N	109°40'20.099"W	3.69	
1835.00	17.810	164.470	1826.38	95.15	-91.25	27.68	40°08'53.998"N	109°40'20.014"W	4.08	
1925.00	20.500	162.970	1911.39	124.62	-119.58	35.98	40°08'53.718"N	109°40'19.907"W	3.04	
2016.00	23.600	160.770	1995.73	158.64	-152.02	46.65	40°08'53.398"N	109°40'19.769"W	3.52	
2106.00	25.980	160.280	2077.43	196.14	-187.60	59.24	40°08'53.046"N	109°40'19.607"W	2.65	
2197.00	29.390	161.070	2158.00	238.17	-227.49	73.21	40°08'52.652"N	109°40'19.427"W	3.77	
2287.00	31.290	160.550	2235.67	283.37	-270.42	88.16	40°08'52.228"N	109°40'19.235"W	2.13	
2378.00	29.520	157.950	2314.16	329.01	-313.49	104.44	40°08'51.802"N	109°40'19.025"W	2.42	
2468.00	28.280	156.450	2392.95	371.89	-353.59	121.29	40°08'51.406"N	109°40'18.808"W	1.60	
2559.00	28.100	156.450	2473.15	414.16	-393.00	138.46	40°08'51.016"N	109°40'18.587"W	0.20	
2650.00	27.710	156.450	2553.57	456.05	-432.04	155.48	40°08'50.631"N	109°40'18.368"W	0.43	
2740.00	26.600	157.150	2633.65	496.49	-469.79	171.66	40°08'50.258"N	109°40'18.159"W	1.28	
2831.00	25.410	156.760	2715.44	535.79	-506.50	187.28	40°08'49.895"N	109°40'17.958"W	1.32	
2869.00†	25.148	156.960	2749.80	551.77	-521.43	193.66	40°08'49.747"N	109°40'17.876"W	0.73	Top Green River
2921.00	24.790	157.240	2796.94	573.40	-541.65	202.20	40°08'49.547"N	109°40'17.766"W	0.73	
3012.00	24.300	158.470	2879.71	610.73	-576.66	216.45	40°08'49.201"N	109°40'17.583"W	0.78	
3103.00	24.700	160.370	2962.52	648.14	-611.98	229.71	40°08'48.852"N	109°40'17.412"W	0.97	
3193.00	26.290	160.770	3043.75	686.64	-648.51	242.59	40°08'48.491"N	109°40'17.246"W	1.78	
3284.00	27.000	161.070	3125.09	727.23	-687.08	255.93	40°08'48.110"N	109°40'17.074"W	0.79	
3374.00	28.900	161.960	3204.59	769.23	-727.09	269.30	40°08'47.715"N	109°40'16.902"W	2.16	
3465.00	33.410	163.280	3282.44	816.16	-772.02	283.32	40°08'47.271"N	109°40'16.722"W	5.01	
3555.00	33.410	164.250	3357.57	865.65	-819.60	297.17	40°08'46.801"N	109°40'16.543"W	0.59	
3646.00	34.380	165.260	3433.11	916.36	-868.56	310.51	40°08'46.317"N	109°40'16.371"W	1.23	
3736.00	34.820	168.960	3507.20	967.44	-918.36	321.90	40°08'45.825"N	109°40'16.225"W	2.38	
3827.00	33.410	171.740	3582.54	1018.37	-968.66	330.48	40°08'45.328"N	109°40'16.114"W	2.31	
3918.00	29.390	172.580	3660.20	1065.58	-1015.61	336.96	40°08'44.864"N	109°40'16.031"W	4.44	
4008.00	27.090	172.840	3739.48	1107.94	-1057.85	342.37	40°08'44.446"N	109°40'15.961"W	2.56	
4099.00	25.720	176.670	3820.99	1148.01	-1098.12	346.10	40°08'44.048"N	109°40'15.913"W	2.40	
4189.00	25.810	178.740	3902.05	1186.43	-1137.21	347.66	40°08'43.662"N	109°40'15.893"W	1.00	
4280.00	26.600	183.150	3983.70	1225.38	-1177.36	346.98	40°08'43.265"N	109°40'15.902"W	2.31	
4358.00†	24.623	186.282	4054.04	1257.48	-1210.95	344.24	40°08'42.933"N	109°40'15.937"W	3.07	Mahogany
4371.00	24.300	186.850	4065.87	1262.55	-1216.30	343.63	40°08'42.880"N	109°40'15.945"W	3.07	
4462.00	17.810	184.170	4150.75	1293.47	-1248.81	340.38	40°08'42.559"N	109°40'15.987"W	7.21	
4552.00	13.700	183.680	4237.35	1316.82	-1273.18	338.69	40°08'42.318"N	109°40'16.009"W	4.57	



# Actual Wellpath Report

Three Rivers 4-38T-820 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 4-38T-820 (1530' FSL & 2293' FEL)
Area	Three Rivers	Well	Three Rivers 4-38T-820
Field	UINTAH COUNTY	Wellbore	Three Rivers 4-38T-820 AWP
Facility	Sec.04-T8S-R20E		

## WELLPATH DATA (76 stations) † = interpolated/extrapolated station

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Vert Sect [ft]	North [ft]	East [ft]	Latitude	Longitude	DLS [°/100ft]	Comments
4643.00	11.090	180.240	4326.22	1335.66	-1292.69	337.96	40°08'42.126"N	109°40'16.018"W	2.98	
4734.00	9.810	180.770	4415.71	1351.70	-1309.19	337.82	40°08'41.962"N	109°40'16.020"W	1.41	
4824.00	8.000	180.160	4504.62	1365.24	-1323.12	337.70	40°08'41.825"N	109°40'16.021"W	2.01	
4915.00	6.720	181.570	4594.87	1376.55	-1334.78	337.54	40°08'41.710"N	109°40'16.024"W	1.42	
5005.00	5.390	180.380	4684.37	1385.76	-1344.27	337.37	40°08'41.616"N	109°40'16.026"W	1.48	
5096.00	4.600	176.280	4775.02	1393.51	-1352.19	337.57	40°08'41.538"N	109°40'16.023"W	0.95	
5127.00†	4.400	176.585	4805.93	1395.91	-1354.61	337.73	40°08'41.514"N	109°40'16.021"W	0.65	Lower Green River
5145.00†	4.284	176.776	4823.87	1397.26	-1355.97	337.80	40°08'41.500"N	109°40'16.020"W	0.65	Top of Production
5186.00	4.020	177.250	4864.77	1400.18	-1358.94	337.96	40°08'41.471"N	109°40'16.018"W	0.65	
5277.00	3.800	180.160	4955.56	1406.25	-1365.14	338.10	40°08'41.410"N	109°40'16.016"W	0.33	
5368.00	3.710	177.560	5046.36	1412.08	-1371.10	338.22	40°08'41.351"N	109°40'16.015"W	0.21	
5458.00	3.180	170.240	5136.20	1417.43	-1376.47	338.77	40°08'41.298"N	109°40'16.008"W	0.76	
5549.00	2.780	171.470	5227.07	1422.15	-1381.14	339.52	40°08'41.251"N	109°40'15.998"W	0.45	
5639.00	2.300	173.370	5316.99	1426.12	-1385.09	340.06	40°08'41.212"N	109°40'15.991"W	0.54	
5730.00	2.210	173.150	5407.92	1429.68	-1388.64	340.48	40°08'41.177"N	109°40'15.986"W	0.10	
5820.00	1.990	188.440	5497.86	1432.86	-1391.91	340.45	40°08'41.145"N	109°40'15.986"W	0.67	
5911.00	1.900	171.740	5588.80	1435.83	-1394.97	340.44	40°08'41.115"N	109°40'15.986"W	0.63	
6001.00	2.120	176.280	5678.75	1438.96	-1398.11	340.76	40°08'41.084"N	109°40'15.982"W	0.30	
6092.00	2.210	171.250	5769.68	1442.37	-1401.52	341.14	40°08'41.050"N	109°40'15.977"W	0.23	
6183.00	2.120	177.470	5860.62	1445.77	-1404.94	341.48	40°08'41.016"N	109°40'15.973"W	0.28	
6273.00	1.810	176.060	5950.57	1448.81	-1408.02	341.65	40°08'40.986"N	109°40'15.971"W	0.35	
6364.00	2.120	166.670	6041.51	1451.91	-1411.09	342.14	40°08'40.955"N	109°40'15.964"W	0.49	
6454.00	1.990	171.560	6131.45	1455.14	-1414.25	342.75	40°08'40.924"N	109°40'15.956"W	0.24	
6545.00	1.900	147.550	6222.40	1458.14	-1417.09	343.79	40°08'40.896"N	109°40'15.943"W	0.89	
6635.00	2.120	148.470	6312.35	1461.12	-1419.77	345.46	40°08'40.870"N	109°40'15.922"W	0.25	
6726.00	2.390	152.480	6403.28	1464.56	-1422.89	347.22	40°08'40.839"N	109°40'15.899"W	0.34	
6817.00	2.300	155.870	6494.20	1468.19	-1426.23	348.84	40°08'40.806"N	109°40'15.878"W	0.18	
6893.00†	1.886	157.661	6570.15	1470.92	-1428.78	349.94	40°08'40.781"N	109°40'15.864"W	0.55	Wasatch
6907.00	1.810	158.080	6584.14	1471.36	-1429.20	350.11	40°08'40.777"N	109°40'15.862"W	0.55	
6983.00	2.210	160.770	6660.10	1474.01	-1431.70	351.04	40°08'40.752"N	109°40'15.850"W	0.54	End of Surveys
7035.00	2.210	160.770	6712.06	1476.00	-1433.59	351.70	40°08'40.733"N	109°40'15.841"W	0.00	Projection To Bit (BHL)



# Actual Wellpath Report

Three Rivers 4-38T-820 AWP

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## REFERENCE WELLPATH IDENTIFICATION

Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 4-38T-820 (1530' FSL & 2293' FEL)
Area	Three Rivers	Well	Three Rivers 4-38T-820
Field	UINTAH COUNTY	Wellbore	Three Rivers 4-38T-820 AWB
Facility	Sec.04-T8S-R20E		

## TARGETS

Name	MD [ft]	TVD [ft]	North [ft]	East [ft]	Grid East [US ft]	Grid North [US ft]	Latitude	Longitude	Shape
Hardline: 50' From Center of Geo Target		4830.50	-1476.76	324.61	2151627.11	7226596.07	40°08'40.307"N	109°40'16.190"W	point
Three Rivers 4-38T-820 Driller's Target Radius: 5' Center @ 98' FSL & 1972' FEL		4830.50	-1428.76	332.61	2151634.13	7226644.21	40°08'40.781"N	109°40'16.087"W	circle
Three Rivers 4-38T-820 Geo Target Radius: 50' 50' FSL & 1980' FEL		4830.50	-1476.76	324.61	2151627.11	7226596.06	40°08'40.307"N	109°40'16.190"W	circle
Three Rivers 4-38T-820 Target On Plat 20' FSL & 1980' FEL		4830.50	-1506.77	324.61	2151627.73	7226566.07	40°08'40.010"N	109°40'16.190"W	point

## WELLPATH COMPOSITION - Ref Wellbore: Three Rivers 4-38T-820 AWB Ref Wellpath: Three Rivers 4-38T-820 AWP

Start MD [ft]	End MD [ft]	Positional Uncertainty Model	Log Name/Comment	Wellbore
13.00	119.00	Unknown Tool (Standard)	Conductor	Three Rivers 4-38T-820 AWB
119.00	1029.00	Unknown Tool (Standard)	Surface	Three Rivers 4-38T-820 AWB
1029.00	6983.00	MTC (Collar, post-2000) (Standard)	MWD	Three Rivers 4-38T-820 AWB
6983.00	7035.00	Blind Drilling (std)	Projection to bit	Three Rivers 4-38T-820 AWB



## Actual Wellpath Report

Three Rivers 4-38T-820 AWP

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### REFERENCE WELLPATH IDENTIFICATION

Operator	ULTRA RESOURCES, INC	Slot	Three Rivers 4-38T-820 (1530' FSL & 2293' FEL)
Area	Three Rivers	Well	Three Rivers 4-38T-820
Field	UINTAH COUNTY	Wellbore	Three Rivers 4-38T-820 AWP
Facility	Sec.04-T8S-R20E		

### WELLPATH COMMENTS

MD [ft]	Inclination [°]	Azimuth [°]	TVD [ft]	Comment
2869.00	25.148	156.960	2749.80	Top Green River
4358.00	24.623	186.282	4054.04	Mahogany
5127.00	4.400	176.585	4805.93	Lower Green River
5145.00	4.284	176.776	4823.87	Top of Production
6893.00	1.886	157.661	6570.15	Wasatch
6983.00	2.210	160.770	6660.10	End of Surveys
7035.00	2.210	160.770	6712.06	Projection To Bit (BHL)

**ULTRA RESOURCES, INC.**  
**DAILY COMPLETION REPORT FOR 09/29/2014 TO 10/20/2014**

Well Name	THREE RIVERS 4-38T-820	Frac Planned	7
Location:	UINTAH County, UTAH(NWSE 4 8S 20E)	AFE#	140973
Total Depth Date:	09/23/2014 TD 7,035	Formation:	(Missing)
Production Casing:	Size 5 1/2 Wt 17 Grade J-55 Set At 4,992	GL:	KB: 4,764

Date: 09/29/2014			
Supervisor:	Duncan		
Work Objective:	Logging		
Contractors:	CHS		
Completion Rig:	Casedhole Sol	Supervisor Phone:	435-828-1472
Upcoming Activity:	Prep for frac work		
Activities			
1330-1630	MIRU CHS WLU, run 4.65' gauge ring fr/surface to 6947'. POH w/gauge ring. Run CBL/GR/CCL fr/6935' to surface. TOC @ 790'. RDMO WLU.		
Costs (\$):	Daily: 5,138	Cum: 5,138	AFE: 1,298,141

Date: 09/30/2014			
Supervisor:	Duncan		
Work Objective:	Nipple up BOP		
Contractors:	Knight		
Completion Rig:	(Missing)	Supervisor Phone:	435-828-1472
Upcoming Activity:	Prep for frac work		
Activities			
1000-1100	MINU Knight 5K BOP. Set flow back tanks.		
Costs (\$):	Daily: 367	Cum: 5,505	AFE: 1,298,141

Date: 10/01/2014			
Supervisor:	Duncan		
Work Objective:	Prep for frac work		
Contractors:	MBT, R&R, Sunrise, Target, Rhettis		
Completion Rig:	(Missing)	Supervisor Phone:	435-828-1472
Upcoming Activity:	Prep for frac work		
Activities			
0800-0801	MI set frac tanks. Install flow back iron. Fill 10K, and 500 bbl tanks		
Costs (\$):	Daily: 1,215	Cum: 6,720	AFE: 1,298,141

Date: 10/02/2014			
Supervisor:	Duncan		
Work Objective:	Testing		
Contractors:	RBS, R&R, Rhettis		
Completion Rig:	(Missing)	Supervisor Phone:	435-828-1472
Upcoming Activity:	Prep for frac work		
Activities			
0800-0900	MIRU RBS Test Unit, and test csg, WH, Flow back lines, and BOP to 4,250 psig, good test. RDMO Testers		
Costs (\$):	Daily: 8,062	Cum: 14,782	AFE: 1,298,141

Date: 10/03/2014			
Supervisor:	Duncan		
Work Objective:	Perforating		
Contractors:	CHS		
Completion Rig:	Casedhole Sol	Supervisor Phone:	435-828-1472
Upcoming Activity:	Prep for frac work		
Activities			
1200-1330	Perforate stage 1 (6722'-6890').		
Costs (\$):	Daily: 4,500	Cum: 19,282	AFE: 1,298,141

Date: 10/04/2014			
Supervisor:	Fletcher		
Work Objective:	Prep for frac work		
Contractors:	(Missing)		
Completion Rig:	(Missing)	Supervisor Phone:	3036459812
Upcoming Activity:	Completion		
Costs (\$):	Daily: 0	Cum: 19,282	AFE: 1,298,141

Date: 10/06/2014			
Supervisor:	(Missing)		
Work Objective:	(Nothing Recorded)		
Contractors:	(Missing)		
Completion Rig:	(Missing)	Supervisor Phone:	(Missing)
Upcoming Activity:			
Costs (\$):	Daily: 12,712	Cum: 31,994	AFE: 1,298,141

Date: 10/07/2014			
Supervisor:	Stringham/Duncan		
Work Objective:	Perf, Frac, and Flowback		SSE: 2
Contractors:	HES,R&R,Rheets,Target,Sunrise		
Completion Rig:	Hal, HAL RED T4	Supervisor Phone: 435-790-2326/435-828-1472	
Upcoming Activity:	Drill out plug		
Activities			
0330-0430	Rig Down Annulas From TR 4-36T-820 & Rig Up On TR 4-38T-820 & TR 4-34-820		
0430-0600	Frac Stage 1		
0600-0705	Perforate stage 2 (6618'-6695'). Set 5.5" FTFP @ 6715'.		
0705-0730	Wait on TR 4-34-820.		
0730-0830	Change out chemical trailer.		
0830-0845	Frac Stage 2.		
0845-0950	Pumped and displaced acid for stage #2, lost suction pump on blender. Shut operations down to repair pump.		
0950-1045	After 2000 gallons of 15% HCL, and one casing volume of .25 ppg sand. Due to high pressure unable to frac stage 2. Ordered to re-perforate.		
1045-1200	Build gun and re-perforate stage 2 (6618'-6695').		
1200-1315	Frac Stage 2.		
1315-1425	Perforate stage 3 (6400'-6583'). Set 5.5" FTFP @ 6603'.		
1425-1600	Frac stage 3.		
1600-1700	Perforate stage 4 (6114'-6356'). Set 5.5" FTFP @ 6376'.		
1700-1830	Wait On TR 4-34-820		
1830-1915	Off Load Sand		
1915-2040	Frac Stage 4		
2040-2145	Perforate Stage 5 (5838'-6087'). Set 5.5" FTFP @ 6107'.		
2145-0000	Wait On TR 4-34-820		
0000-0225	Wait On TR 4-34-820		
Costs (\$):	Daily: 4,037	Cum: 36,031	AFE: 1,298,141

Date: 10/08/2014			
Supervisor:	Stringham/Duncan		
Work Objective:	Perf, Frac, and Flowback		SSE: 2
Contractors:	HES,R&R,Rheets,Target,Sunrise,IPS,ETS		
Completion Rig:	Hal, HAL RED T4, IPS CT 2"	Supervisor Phone: 435-790-2326/435-828-1472	
Upcoming Activity:	Drill out plug		
Activities			
0000-0225	Wait On TR 4-34-820		
0225-0345	Wait On TR 4-34-820		
0345-0425	Change Out Chemical Trailer		
0430-0620	Frac Stage 5.		
0620-0715	Perforate Stage 6 (5319'-5603'). Set 5.5" FTFP @ 5619'.		
0715-0820	Wait On TR 4-34-820.		
0820-0940	Frac Stage 6.		
0940-1040	Perforate Stage 7 (5145'-5287'). Set 5.5" FTFP @ 5301'.		
1040-1125	Wait On TR 4-34-820.		
1125-1250	Frac Stage 7.		
1250-1251	SICP 1270 psi. WO CTU.		
Costs (\$):	Daily: 75,683	Cum: 111,714	AFE: 1,298,141

Date: 10/09/2014			
Supervisor:	Stringham/Duncan		
Work Objective:	Drill out plug		SSE: 2
Contractors:	IPS,R&R,ETS,Rhetts		
Completion Rig:	IPS CT 2"	Supervisor Phone: 435-790-2326/435-828-1472	
Upcoming Activity:	Flow test well		
Activities			
0710-0740	Swing over IPS 2" CTU fr/the TR 4-34-820. Using the same ETS BHA fr/the TR 4-34-820 as follows: Coil Connector, Bi-Directional jar, MHA Dual Check Valves, 3/4" Ball Seat (back pressure valve) Hydraulic Disconnect, motor and 5 blade 4.625" mill. Function test motor,(2000 psi @ 1.5 bbl/min). NU stack to 7-1/16" 5K BOP, RU flow back iron. Fill surface lines with water. Close valve to flow back tank and pressure test to 3500 psi. Bleed pressure back to 1000 psi. Open top ram, 700 psi.		
0740-0820	RIH with mill and motor to plug @ 5301'. (Coil depth 5300').		
0820-0830	Drill plug @ 5301' (575) PSI.		
0830-0835	Pump a 10 bbl gel sweep. RIH with mill and motor to plug @ 5619'. (Coil depth 5616').		
0835-0900	Drill plug @ 5619' (550) PSI.		
0900-0910	Pump a 10 bbl gel sweep. RIH to plug @ 6107'. Tag sand at 6007', wash sand to plug. (Coil depth 6106').		
0910-0920	Drill plug @ 6107' (460) PSI.		
0920-0930	Pump a 20 bbl gel sweep. RIH to plug @ 6376'. (Coil depth 6373').		
0930-0940	Drill plug @ 6376' (480) PSI.		
0940-0950	Pump a 10 bbl gel sweep. RIH to plug @ 6603'. (Coil depth 6601').		
0950-1000	Drill plug @ 6603' (480) PSI.		
1000-1010	Pump a 10 bbl gel sweep. RIH to plug @ 6715'. (Coil depth 6710').		
1010-1020	Drill plug @ 6715' (480) PSI.		
1020-1150	RIH to PBTD @ 7017'. Pump 20 bbl gel sweep, 10 bbl water spacer & 20 bbl gel sweep. (Coil PBTD @ 7009'). Make 500' short trip and retag PBTD. POOH @ 50 ft/min for 30 min and then continue POOH. Close Bottom ram, SICP 600 PSI.		
1150-1300	RD CTU move over to the TR 4-36T-820.		
1300-1301	Turn well over to flow testers, open well on 18/64 choke. IP 600 PSI.		
Costs (\$):	Daily: 416,052	Cum: 527,766	AFE: 1,298,141

Date: 10/10/2014			
Supervisor: Stringham/Duncan			
Work Objective: Flow test well			SSE: 2
Contractors: R&R, Rhetts			
Completion Rig: (Missing)		Supervisor Phone: 435-790-2326/435-828-1472	
Upcoming Activity: Turned over to Production Dept			
Costs (\$):	Daily: 13,999	Cum: 541,764	AFE: 1,298,141

Date: 10/11/2014			
Supervisor: Duncan			
Work Objective: Flow test well			
Contractors: R&R, Rhetts			
Completion Rig: (Missing)		Supervisor Phone: 435-828-1472	
Upcoming Activity: Turned over to Production Dept			
Costs (\$):	Daily: 0	Cum: 541,764	AFE: 1,298,141

Date: 10/12/2014			
Supervisor: Fletcher			
Work Objective: Turned over to Production Dept			
Contractors: (Missing)			
Completion Rig: (Missing)		Supervisor Phone: 3036459812	
Upcoming Activity:			
Costs (\$):	Daily: 0	Cum: 541,764	AFE: 1,298,141

Date: 10/13/2014			
Supervisor: (Missing)			
Work Objective: (Nothing Recorded)			
Contractors: (Missing)			
Completion Rig: (Missing)		Supervisor Phone: (Missing)	
Upcoming Activity:			
Costs (\$):	Daily: 5,983	Cum: 547,747	AFE: 1,298,141

Date: 10/14/2014			
Supervisor: (Missing)			
Work Objective: (Nothing Recorded)			
Contractors: (Missing)			
Completion Rig: (Missing)		Supervisor Phone: (Missing)	
Upcoming Activity:			
Costs (\$):	Daily: 10,875	Cum: 558,622	AFE: 1,298,141

Date: 10/15/2014			
Supervisor: (Missing)			
Work Objective: (Nothing Recorded)			
Contractors: (Missing)			
Completion Rig: (Missing)		Supervisor Phone: (Missing)	
Upcoming Activity:			
Costs (\$):	Daily: 31,079	Cum: 589,701	AFE: 1,298,141

Date: 10/18/2014			
Supervisor: (Missing)			
Work Objective: (Nothing Recorded)			
Contractors: (Missing)			
Completion Rig: (Missing)		Supervisor Phone: (Missing)	
Upcoming Activity:			
Costs (\$):	Daily: 8,622	Cum: 598,323	AFE: 1,298,141

Date: 10/20/2014			
Supervisor: JIM BURNS			
Work Objective: TIH w/ Rods			
Contractors: STONE			
Completion Rig: (Missing)		Supervisor Phone: 435-299-2974	
Upcoming Activity: Clean out			
Activities			
0600-0700 CREW TRAVEL			
0700-1400 OPEN WELL, P/U RODS, SPACE OUT, FILL AND TEST			
1400-1500 CREW TRAVEL			
Costs (\$):	Daily: 0	Cum: 0	AFE: 1,298,141

## ULTRA RESOURCES, INC. PERFORATION AND FRAC SUMMARY FOR THREE RIVERS 4-38T-820

Well Name:	THREE RIVERS 4-38T-820			Fracs Planned:	7
Location:	UINTAH County, UTAH (NWSE 004 8S 20E)				
Stage 1	Frac Date:	10/07/2014	Avg Rate:	49.0 BPM	Avg Pressure: 2,409 PSI
Initial Completion	Proppant:	116,475 lbs total 116475 lbs Ottawa	Max Rate:	62.0 BPM	Max Pressure: 3,735 PSI
	Initial Annulus Pressure:	125	Final Annulus Pressure:	124	Pump Down Volume:
	PreFrac SICP:		ISIP:	2,058 PSI	Base BBLs to Recover: 3,668 BBLs
	Pseudo Frac Gradient:	0.732 PSI/FT	Pseudo Frac Gradient:	14.067 LB/GAL	
			Net Pressure:	461 psi	Total BBLs to Recover: 3,668 BBLs
	Breakdown Pressure:	2574	Breakdown Rate:	4.6	Perfs Open:
	ScreenOut:	No	Tracer:	(None)	
<b>Zones:</b>	<u>Perf Date</u>	<u>SPF</u>	<u>Perf Interval: From To</u>		
12	10/03/2014	3	6,722	6,723	
11	10/03/2014	3	6,729	6,730	
10	10/03/2014	3	6,743	6,744	
9	10/03/2014	3	6,757	6,758	
8	10/03/2014	3	6,782	6,783	
7	10/03/2014	3	6,812	6,813	
6	10/03/2014	3	6,821	6,822	
5	10/03/2014	3	6,837	6,838	
4	10/03/2014	3	6,856	6,857	
3	10/03/2014	3	6,869	6,870	
2	10/03/2014	3	6,877	6,879	
1	10/03/2014	3	6,889	6,890	
Stage 2	Frac Date:	10/07/2014	Avg Rate:	39.0 BPM	Avg Pressure: 2,948 PSI
Initial Completion	Proppant:	134,347 lbs total 134347 lbs Ottawa	Max Rate:	61.0 BPM	Max Pressure: 4,641 PSI
	Initial Annulus Pressure:	86	Final Annulus Pressure:	69	Pump Down Volume:
	PreFrac SICP:		ISIP:	3,414 PSI	Base BBLs to Recover: 5,412 BBLs
	Pseudo Frac Gradient:	0.943 PSI/FT	Pseudo Frac Gradient:	18.128 LB/GAL	
			Net Pressure:	616 psi	Total BBLs to Recover: 5,412 BBLs
	Breakdown Pressure:	1590	Breakdown Rate:	3.0	Perfs Open:
	ScreenOut:	No	Tracer:	(None)	
<b>Zones:</b>	<u>Perf Date</u>	<u>SPF</u>	<u>Perf Interval: From To</u>		
21	10/07/2014	3	6,616	6,617	
20	10/07/2014	3	6,618	6,619	
19	10/07/2014	3	6,625	6,626	
18	10/07/2014	3	6,627	6,628	
17	10/07/2014	3	6,632	6,633	
16	10/07/2014	3	6,634	6,635	
15	10/07/2014	3	6,639	6,640	
14	10/07/2014	3	6,641	6,642	
13	10/07/2014	3	6,644	6,645	
12	10/07/2014	3	6,646	6,647	
11	10/07/2014	3	6,655	6,656	
10	10/07/2014	3	6,657	6,658	
9	10/07/2014	3	6,665	6,666	
8	10/07/2014	3	6,667	6,668	
7	10/07/2014	3	6,677	6,678	
6	10/07/2014	3	6,679	6,680	
5	10/07/2014	3	6,685	6,686	
4	10/07/2014	3	6,687	6,688	
3	10/07/2014	3	6,691	6,692	
2	10/07/2014	3	6,692	6,693	
1	10/07/2014	3	6,693	6,695	
Stage 3	Frac Date:	10/07/2014	Avg Rate:	51.0 BPM	Avg Pressure: 2,882 PSI
Initial Completion	Proppant:	158,605 lbs total 158605 lbs Ottawa	Max Rate:	62.0 BPM	Max Pressure: 3,929 PSI
	Initial Annulus Pressure:	54	Final Annulus Pressure:	30	Pump Down Volume:
	PreFrac SICP:		ISIP:	1,552 PSI	Base BBLs to Recover: 4,939 BBLs
	Pseudo Frac Gradient:	0.669 PSI/FT	Pseudo Frac Gradient:	12.857 LB/GAL	
			Net Pressure:	-526 psi	Total BBLs to Recover: 4,939 BBLs
	Breakdown Pressure:	1387	Breakdown Rate:	5.6	Perfs Open:
	ScreenOut:	No	Tracer:	(None)	
<b>Zones:</b>	<u>Perf Date</u>	<u>SPF</u>	<u>Perf Interval: From To</u>		
12	10/07/2014	3	6,400	6,401	
11	10/07/2014	3	6,411	6,412	
10	10/07/2014	3	6,423	6,424	
9	10/07/2014	3	6,433	6,434	
8	10/07/2014	3	6,471	6,472	
7	10/07/2014	3	6,482	6,483	
6	10/07/2014	3	6,499	6,500	
5	10/07/2014	3	6,512	6,513	
4	10/07/2014	3	6,532	6,533	
3	10/07/2014	3	6,545	6,546	
2	10/07/2014	3	6,561	6,563	
1	10/07/2014	3	6,582	6,583	

Stage 4	Frac Date: 10/07/2014	Avg Rate: 42.0 BPM	Avg Pressure: 3,048 PSI
Initial Completion	Proppant: 191,326 lbs total 191326 lbs Ottawa	Max Rate: 61.0 BPM	Max Pressure: 4,149 PSI
	Initial Annulus Pressure: 55	Final Annulus Pressure: 0	Pump Down Volume:
	PreFrac SICP:	ISIP: 1,742 PSI	Base BBLs to Recover: 4,062 BBLs
	Pseudo Frac Gradient: 0.707 PSI/FT	Pseudo Frac Gradient: 13.593 LB/GAL	
		Net Pressure: -827 psi	Total BBLs to Recover: 4,062 BBLs
	Breakdown Pressure: 3409	Breakdown Rate: 9.2	Perfs Open:
	ScreenOut: No	Tracer: (None)	
<u>Zones:</u>	<u>Perf Date</u>	<u>SPF</u>	<u>Perf Interval: From To</u>
13	10/07/2014	3	6,114 6,115
12	10/07/2014	3	6,129 6,130
11	10/07/2014	3	6,145 6,146
10	10/07/2014	3	6,192 6,193
9	10/07/2014	3	6,205 6,206
8	10/07/2014	3	6,235 6,236
7	10/07/2014	3	6,267 6,268
6	10/07/2014	3	6,290 6,291
5	10/07/2014	3	6,300 6,301
4	10/07/2014	3	6,306 6,307
3	10/07/2014	3	6,318 6,319
2	10/07/2014	3	6,343 6,344
1	10/07/2014	3	6,355 6,356
Stage 5	Frac Date: 10/08/2014	Avg Rate: 49.0 BPM	Avg Pressure: 2,913 PSI
Initial Completion	Proppant: 181,188 lbs total 181188 lbs Ottawa	Max Rate: 62.0 BPM	Max Pressure: 3,870 PSI
	Initial Annulus Pressure: 79	Final Annulus Pressure: 77	Pump Down Volume:
	PreFrac SICP:	ISIP: 2,067 PSI	Base BBLs to Recover: 4,918 BBLs
	Pseudo Frac Gradient: 0.773 PSI/FT	Pseudo Frac Gradient: 14.853 LB/GAL	
		Net Pressure: -577 psi	Total BBLs to Recover: 4,918 BBLs
	Breakdown Pressure: 2616	Breakdown Rate: 3.9	Perfs Open:
	ScreenOut: No	Tracer: (None)	
<u>Zones:</u>	<u>Perf Date</u>	<u>SPF</u>	<u>Perf Interval: From To</u>
13	10/07/2014	3	5,838 5,839
12	10/07/2014	3	5,872 5,873
11	10/07/2014	3	5,884 5,885
10	10/07/2014	3	5,899 5,900
9	10/07/2014	3	5,927 5,928
8	10/07/2014	3	5,936 5,937
7	10/07/2014	3	5,947 5,948
6	10/07/2014	3	5,988 5,989
5	10/07/2014	3	6,008 6,009
4	10/07/2014	3	6,030 6,031
3	10/07/2014	3	6,039 6,040
2	10/07/2014	3	6,073 6,074
1	10/07/2014	3	6,086 6,087
Stage 6	Frac Date: 10/08/2014	Avg Rate: 48.0 BPM	Avg Pressure: 2,913 PSI
Initial Completion	Proppant: 103,456 lbs total 103456 lbs Ottawa	Max Rate: 61.0 BPM	Max Pressure: 3,934 PSI
	Initial Annulus Pressure: 72	Final Annulus Pressure: 64	Pump Down Volume:
	PreFrac SICP:	ISIP: 1,244 PSI	Base BBLs to Recover: 2,871 BBLs
	Pseudo Frac Gradient: 0.655 PSI/FT	Pseudo Frac Gradient: 12.593 LB/GAL	
		Net Pressure: -794 psi	Total BBLs to Recover: 2,871 BBLs
	Breakdown Pressure: 2916	Breakdown Rate: 2.9	Perfs Open:
	ScreenOut: No	Tracer: (None)	
<u>Zones:</u>	<u>Perf Date</u>	<u>SPF</u>	<u>Perf Interval: From To</u>
12	10/08/2014	3	5,319 5,320
11	10/08/2014	3	5,353 5,354
10	10/08/2014	3	5,360 5,361
9	10/08/2014	3	5,372 5,373
8	10/08/2014	3	5,398 5,399
7	10/08/2014	3	5,413 5,414
6	10/08/2014	3	5,418 5,419
5	10/08/2014	3	5,513 5,514
4	10/08/2014	3	5,570 5,571
3	10/08/2014	3	5,588 5,589
2	10/08/2014	3	5,597 5,598
1	10/08/2014	3	5,601 5,603

Stage 7	Frac Date: 10/08/2014	Avg Rate: 50.0 BPM	Avg Pressure: 2,240 PSI
Initial Completion	Proppant: 151,838 lbs total 151838 lbs Ottawa	Max Rate: 62.0 BPM	Max Pressure: 3,783 PSI
	Initial Annulus Pressure: 37	Final Annulus Pressure: 41	Pump Down Volume:
	PreFrac SICP:	ISIP: 1,268 PSI	Base BBLs to Recover: 4,181 BBLs
	Pseudo Frac Gradient: 0.673 PSI/FT	Pseudo Frac Gradient: 12.935 LB/GAL	
	Breakdown Pressure: 1612	Net Pressure: -510 psi	Total BBLs to Recover: 4,181 BBLs
	ScreenOut: No	Breakdown Rate: 2.2	Perfs Open:
		Tracer: (None)	
<u>Zones:</u>	<u>Perf Date</u>	<u>SPF</u>	<u>Perf Interval: From To</u>
13	10/08/2014	3	5,145 5,146
12	10/08/2014	3	5,153 5,154
11	10/08/2014	3	5,161 5,162
10	10/08/2014	3	5,175 5,176
9	10/08/2014	3	5,190 5,191
8	10/08/2014	3	5,204 5,205
7	10/08/2014	3	5,213 5,214
6	10/08/2014	3	5,223 5,224
5	10/08/2014	3	5,232 5,233
4	10/08/2014	3	5,248 5,249
3	10/08/2014	3	5,255 5,256
2	10/08/2014	3	5,276 5,277
1	10/08/2014	3	5,286 5,287

## Hydraulic Fracturing Fluid Product Component Information Disclosure

Job Start Date:	10/7/2014
Job End Date:	10/8/2014
State:	Utah
County:	Uintah
API Number:	43-047-54421-00-00
Operator Name:	Ultra Resources
Well Name and Number:	Three Rivers 4-38T-820
Longitude:	-109.67232500
Latitude:	40.14858300
Datum:	NAD27
Federal/Tribal Well:	NO
True Vertical Depth:	7,500
Total Base Water Volume (gal):	1,246,535
Total Base Non Water Volume:	0



### Hydraulic Fracturing Fluid Composition:

Trade Name	Supplier	Purpose	Ingredients	Chemical Abstract Service Number (CAS #)	Maximum Ingredient Concentration in Additive (% by mass)**	Maximum Ingredient Concentration in HF Fluid (% by mass)**	Comments
Fresh Water	Operator	Base Fluid					
			Fresh Water	7732-18-5	100.00000	89.95993	Density = 8.330
SAND - PREMIUM WHITE	Halliburton	Proppant					
			Crystalline silica, quartz	14808-60-7	100.00000	8.98869	
HYDROCHLORIC ACID 10-30%	Halliburton	Solvent					
			Hydrochloric acid	7647-01-0	30.00000	0.20936	
LoSurf-300D	Halliburton	Non-ionic Surfactant					
			Ethanol	64-17-5	60.00000	0.04804	
			Heavy aromatic petroleum naphtha	64742-94-5	30.00000	0.02402	
			Naphthalene	91-20-3	5.00000	0.00400	
			Poly(oxy-1,2-ethanediyl), alpha-(4-nonylphenyl)-omega-hydroxy-, branched	127087-87-0	5.00000	0.00400	
			1,2,4 Trimethylbenzene	95-63-6	1.00000	0.00080	
WVG-35 GELLING AGENT	Halliburton	Gelling Agent					
			Guar gum	9000-30-0	100.00000	0.04811	
BC-140	Halliburton	Crosslinker					
			Monoethanolamine borate	26038-87-9	60.00000	0.02506	

			Ethylene glycol	107-21-1	30.00000	0.01253	
Cla-Web™	Halliburton	Additive					
			Ammonium salt	Confidential	60.00000	0.02909	Denise Tuck, Halliburton 3000 N. Sam Houston Pkwy E., Houston, TX 77032 281-871-6226
SandWedge® NT	Halliburton	Conductivity Enhancer					
			Dipropylene glycol monomethyl ether	34590-94-8	60.00000	0.01984	
			Heavy aromatic petroleum naphtha	64742-94-5	10.00000	0.00331	
MC MX 2-2738	Multi-Chem	Scale Inhibitor					
			Phosphonate of a Diamine, Sodium Salt	Proprietary	30.00000	0.01104	
			Methyl Alcohol	67-56-1	30.00000	0.01104	
FE-1A ACIDIZING COMPOSITION	Halliburton	Additive					
			Acetic anhydride	108-24-7	100.00000	0.00699	
			Acetic acid	64-19-7	60.00000	0.00419	
FR-66	Halliburton	Friction Reducer					
			Hydrotreated light petroleum distillate	64742-47-8	30.00000	0.01001	
MC B-8614	Multi-Chem	Biocide					
			Glutaraldehyde	111-30-8	30.00000	0.00553	
			Alkyl (C12-16) dimethylbenzylammonium chloride	68424-85-1	5.00000	0.00092	
MUSOL A SOLVENT	Halliburton	Solvent					
			Ethylene glycol monobutyl ether	111-76-2	100.00000	0.00294	
			Oxylated alcohol	Confidential	30.00000	0.00088	
OPTIFLO-HTE	Halliburton	Breaker					
			Walnut hulls	Mixture	100.00000	0.00248	
			Crystalline silica, quartz	14808-60-7	30.00000	0.00074	
SP BREAKER	Halliburton	Breaker					
			Sodium persulfate	7775-27-1	100.00000	0.00191	
HAI-404M™	Halliburton	Corrosion Inhibitor					
			Aldehyde	Confidential	30.00000	0.00039	
			Isopropanol	67-63-0	30.00000	0.00039	
			Methanol	67-56-1	30.00000	0.00039	
			Quaternary ammonium salt	Confidential	10.00000	0.00013	
			1-(Benzyl)quinolinium chloride	15619-48-4	10.00000	0.00013	
Ingredients shown above are subject to 29 CFR 1910.1200(i) and appear on Material Safety Data Sheets (MSDS). Ingredients shown below are Non-MSDS.							
		Other Ingredient(s)					
			Water	7732-18-5		0.80978	
		Other Ingredient(s)					
			Oxyalkylated phenolic resin	Confidential		0.02402	
		Other Ingredient(s)					

		Polyacrylamide copolymer	Confidential		0.01001
	Other Ingredient(s)				
		Oxyalkylated phenolic resin	Confidential		0.00801
	Other Ingredient(s)				
		Sodium chloride	7647-14-5		0.00409
	Other Ingredient(s)				
		Quaternary ammonium compound	Confidential		0.00331
	Other Ingredient(s)				
		Quaternary amine	Confidential		0.00242
	Other Ingredient(s)				
		Modified bentonite	Confidential		0.00241
	Other Ingredient(s)				
		Alcohols, C12-16, ethoxylated	68551-12-2		0.00180
	Other Ingredient(s)				
		Fatty acid tall oil amide	Confidential		0.00167
	Other Ingredient(s)				
		Ammonium chloride	12125-02-9		0.00167
	Other Ingredient(s)				
		Cured acrylic resin	Confidential		0.00074
	Other Ingredient(s)				
		Quaternary amine	Confidential		0.00048
	Other Ingredient(s)				
		Ethoxylated nonylphenol	Confidential		0.00048
	Other Ingredient(s)				
		Silica, amorphous - fumed	7631-86-9		0.00048
	Other Ingredient(s)				
		Naphthenic acid ethoxylate	68410-62-8		0.00039
	Other Ingredient(s)				
		Methanol	67-56-1		0.00036
	Other Ingredient(s)				
		Sorbitan, mono-9-octadecenoate, (Z)	1338-43-8		0.00033
	Other Ingredient(s)				
		Sorbitan monooleate polyoxyethylene derivative	9005-65-6		0.00033
	Other Ingredient(s)				
		Fatty acids, tall oil	Confidential		0.00013
	Other Ingredient(s)				
		Polyethoxylated fatty amine salt	61791-26-2		0.00013
	Other Ingredient(s)				
		Enzyme	Confidential		0.00012
	Other Ingredient(s)				
		Ethoxylated amine	Confidential		0.00006
	Other Ingredient(s)				
		Amine salts	Confidential		0.00005
	Other Ingredient(s)				

			Amine salts	Confidential		0.00005	
		Other Ingredient(s)					
			Quaternary amine	Confidential		0.00005	
		Other Ingredient(s)					
			Crystalline silica, quartz	14808-60-7		0.00005	
		Other Ingredient(s)					
			C.I. Pigment Red 5	6410-41-9		0.00002	
		Other Ingredient(s)					
			Cured acrylic resin	Confidential		0.00002	
		Other Ingredient(s)					
			Sodium iodide	7681-82-5		0.00001	
		Other Ingredient(s)					
			Ammonium phosphate	7722-76-1		0.00001	
		Other Ingredient(s)					
			Naphthalene	91-20-3		0.00000	
		Other Ingredient(s)					
			Phosphoric Acid	7664-38-2		0.00000	
		Other Ingredient(s)					
			Sodium sulfate	7757-82-6		0.00000	

\* Total Water Volume sources may include fresh water, produced water, and/or recycled water

\*\* Information is based on the maximum potential for concentration and thus the total may be over 100%

Note: For Field Development Products (products that begin with FDP), MSDS level only information has been provided.

Ingredient information for chemicals subject to 29 CFR 1910.1200(i) and Appendix D are obtained from suppliers Material Safety Data Sheets (MSDS)







Well Name: Three Rivers 4-38T-820 4 Green River

Date, Time & SO: 10/07/14 7:15 PM 901720988  
 Top & Bottom Perfs: 6114 TO 6307.0  
 Mid-Perf: 6235

# HALLIBURTON

BHST: 155 °F

Stage	Stage Name	Slurry Vol (bbl)	Pump Time	Fluid Name	Fluid Volume (gal)	Proppant Mass (lb)	Slurry Rate (bpm)	Max Slurry Rate (bpm)	Pressure Ave (psi)	Pressure Max (psi)	Pressure Min (psi)	Prop Conc Avg (PPG)	Prop Conc Max (PPG)	Liquid Additives				LoSurf-3000	CLA-Web (Clay Cont.) (gpt)	MC MX 2-2822 (Conduct. Enh.) (gpt)	Optiflo HTE 7727-54-0 (Breaker) (gpt)	SP 7775-27-1 (Breaker) (gpt)	FR-66 (Fric Red) (gpt)	MC B-8614 7681-52-9 (Bactericide) (gpt)		
														WG-35 9000-30-0 (Gel) (gpt)	BC 140 590-29-4 (Xlinker) (gpt)	Sandwedge N 1310-58-3 (Xlinker) (gpt)	BA-20 631-61-8 (Buffer) (gpt)									
1	Pre-Pad	11	0:01:07	FR Water	466	0	5.3	14.7	2443	3409	1339	0.00	0.00					1.00	0.50					0.30	0.20	
2	0 PPG	24	0:02:23	15 % HCL Acid	1000	0	9.0	18.2	2425	2901	2268	0.00	0.00													
3	0 PPG	1435	0:23:55	FR Water	60271	0	52.1	60.4	3428	4149	1591	0.00	0.00					1.00	0.50	0.38				0.48	0.20	
4	0.5 PPG White Sand	926	0:15:26	FR Water	37965	20,235	60.3	60.4	3394	3668	3156	0.53	0.59					1.00	0.50	0.38				0.70	0.20	
5	0.5 PPG White Sand	123	0:02:03	FR Water	5040	2,626	60.2	60.4	3634	3654	3675	0.52	0.54					1.00	0.50	2.00				0.70	0.20	
6	0.5 PPG White Sand	123	0:02:03	FR Water	5061	2,758	60.3	60.5	3631	3672	3603	0.55	0.59	0.80	0.80			1.00	0.50	0.25	0.80	0.80		0.77	0.20	
7	0 PPG	0	0:00:00	16# Delta 140	1	0	0.0	0.0	0	0	0	0.00	0.00	16.00	1.60			1.00	0.50	0.25	1.00	1.00			0.20	
8	2 PPG White Sand	550	0:09:10	16# Delta 140	21029	44,308	60.2	60.5	3382	3622	3213	2.11	2.19	16.00	1.60			0.97	0.50	0.25	1.00	1.00			0.20	
9	4 PPG White Sand	412	0:06:52	16# Delta 140	14477	58,400	60.2	60.3	2969	3240	2756	4.03	4.19	16.00	1.60			1.00	0.50	0.25	1.00	1.00			0.20	
10	6 PPG White Sand	379	0:06:19	16# Delta 140	12308	65,885	60.3	61.3	2616	2766	2519	5.35	6.13	16.00	1.60	1.68		1.00	0.50		0.85	0.85			0.20	
						0																				
						0																				
						0																				
						0																				
11	Flush	153	0:02:33	FR Water	6415	0	37.1	61.4	2556	3477	1584	0.00	0.00					0.85	0.45					0.30	0.20	
						0																				
	Growler @ Flush	57			2400	0								50.00				0.00							0.00	

Calculated Amt	769.09	80.55	110.69	0.00	161.44	81.20	57.55	50.02	50.02	64.99	32.61
Actual Amt	1511.00	79.60	110.80	0.00	160.60	80.30	57.30	49.90	49.90	65.90	32.10
Percent Variance	96.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Strap Amt	1511.00	79.00	120.00		153.00	81.00	59.00	50.00	50.00	64.00	30.00
Percent Variance	96.5%	-1.9%	8.4%	0.0%	-5.2%	0.0%	2.5%	0.0%	0.0%	0.0%	-8.0%

Percent Variance is reported as 0% if variance is within 1 gallon.

Slurry (bbl) 4136  
 Pump Time (Min) 1:11:51  
 Clean Fluid (gal) 164033  
 Proppant (lb) 197847

Avg Rate 42.3 BPM  
 Avg Corrected Rate 46.0 BPM  
 Max Rate 61.4 BPM  
 Average Prop Con 1.5  
 Average Pressure 2770.7 PSI  
 Maximum Pressure 4149.0 PSI

**BREAKDOWN INFORMATION:**

Base Fluid: 8.35 PPG  
 Wellhead Pressure: 1400 PSI  
 Broke Back: 3409 PSI  
 Pressure (Prop at Perfs): 3447 PSI  
 Initial ISIP: PSI  
 ISDP: 1742 PSI

@ 9.2 BPM  
 @ 60.3 BPM  
 @ 0.714 PSI/FT

(Use weight slips for below amounts)

TOTAL PROPPANT PUMPED: 190,900 Lbs			
% of Job	Prop	Mesh	Quantity Units
0%	None	20/40	Lbs
0%	TLC	20/40	Lbs
100%	White Sand	20/40	190,900 Lbs

Initial Annulus Pressure 55.0 PSI  
 Final Annulus Pressure 0.0 PSI

Variance 0.0%

MB Vari	SS Vari	Dens Vari	SC Vari
1.7%	-1.1%	0.2%	0.2%

Average Annulus Pressure 53.5 PSI  
 Change in Annulus Pressure -55.0 PSI

**CLEAN STREAM**

UV1 HRs	UV2 HRs	Transm.%
537	537	85.1

**COMMENTS:**  
 HES Engineer: Paul McLean  
 Co. Rep: Bert Stringham  
 Crew: Red B

Xlink samples look good  
 Good job by Crew  
 3bbl overflush per Co Rep  
 Per Co rep FR taken to .5 in stage 3  
 Staged Early into S5 due to increasing pressure  
 Per Co Rep FR Taken to .7 in Stage 3  
 Increased gel setpoint to obtain gel loading  
 Went long in stage 10 to put away sand that was cut in stage 4 per co rep  
 Difficulty mixing gel conc, increased LA1 up make up for week gel loading





Well Name: Three Rivers 4-38T-820 7 Green River

Date, Time & SO: 10/08/14 11:29 AM 901720988  
 Top & Bottom Perfs: 5145 TO 5249.0  
 Mid-Perf: 5216

# HALLIBURTON

BHST: 133 °F

Stage	Stage Name	Slurry Vol (bb)	Pump Time	Fluid Name	Fluid Volume (gal)	Proppant Mass (lb)	Slurry Rate (bpm)	Max Slurry Rate (bpm)	Pressure Ave (psi)	Pressure Max (psi)	Pressure Min (psi)	Prop Conc Avg (PPG)	Prop Conc Max (PPG)	Liquid Additives				Liquid Additives				SP 7775-27-1 (Breaker) (ppt)	FR-66 (Fric Red) (ppt)	MC B-8614 7681-52-9 (Bactericide) (ppt)		
														WG-35 9000-30-0 (Gel) (ppt)	BC 140 590-29-4 (Xlinker) (ppt)	Sandwedge N 1310-58-3 (Xlinker) (ppt)	BA-20 631-61-8 (Buffer) (ppt)	LoSurf-300D	CLA-Web (Clay Cont.) (ppt)	MC MX 2-2822 (Conduct. Enh) (ppt)	Optflo HTE 7727-54-0 (Breaker) (ppt)					
1	Pre-Pad	4	0:00:24	FR Water	170	0	1.6	3.8	1377	1720	965	0.00	0.00					0	1.00	0.50				0.30	0.20	
2	0 PPG	24	0:02:23	15% HCL Acid	1000	0	8.8	10.1	1839	1908	1715							0								
3	0 PPG	1141	0:18:01	FR Water	47818	0	57.4	61.0	2656	3783	1789							0	1.00	0.50	0.49			0.30	0.20	
4	0.5 PPG White Sand	1830	0:30:30	FR Water	75133	40,218	60.9	60.9	2517	2610	2456	0.54	0.63					0	1.00	0.50	2.00			0.30	0.20	
5	0.5 PPG White Sand	123	0:02:03	FR Water	5061	2,718	61.8	60.9	2545	2582	2513	0.54	0.55					0	1.00	0.50	2.00			0.30	0.20	
6	0.5 PPG White Sand	123	0:02:03	FR Water	5026	2,805	61.0	61.1	2534	2555	2497	0.56	0.58	8.00	0.80			0	1.00	0.50	0.25	0.50	0.50	0.30	0.20	
7	0 PPG	56	0:00:56	16# Delta 140	2364	0	60.9	61.0	2438	2498	2371			16.00	1.60			0	1.00	0.50	0.25	1.00	1.00		0.20	
8	2 PPG White Sand	438	0:07:18	16# Delta 140	16735	34,608	60.3	60.8	2251	2382	2180	2.07	2.28	16.00	1.60			0	1.00	0.50	0.25	1.00	1.00		0.20	
9	4 PPG White Sand	271	0:04:31	16# Delta 140	9500	36,176	60.0	60.2	2087	2206	2004	3.81	3.94	16.00	1.60			0	1.00	0.50	0.25	1.00	1.00		0.20	
10	6 PPG White Sand	250	0:04:10	16# Delta 140	8113	39,697	60.0	61.8	1976	2048	1870	4.89	5.78	14.00	1.42		1.75	0	1.00	0.50		0.89	0.89		0.20	
						0																				
						0																				
						0																				
						0																				
11	Flush	112	0:01:52	FR Water	4884	0	61.0	61.2	2391	2675	2000	0.00	0.00						1.00	0.50				0.30	0.20	
	Growler @ Flush	57			2400	0																				
														50.00						0.00					0.00	
														Calculated Amt	611.37	61.25	0.00	69.47	0.00	174.60	87.30	79.27	38.28	38.28	41.37	34.92
														Actual Amt	594.00	61.30	0.00	69.00	0.00	174.20	87.60	80.00	38.50	38.50	41.70	35.70
														Percent Variance	-2.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
														Strap Amt	602.00	60.50	0.00	67.00	0.00	178.00	88.50	85.00	38.00	38.00	44.00	38.00
														Percent Variance	-1.9%	0.0%	0.0%	-3.6%	0.0%	1.9%	1.4%	7.2%	0.0%	0.0%	6.4%	8.8%

Percent Variance is reported as 0% if variance is within 1 gallon.

Slurry (bb) 4371  
 Pump Time (Min) 1:15:10  
 Clean Fluid (gal) 175604  
 Proppant (lb) 162708

Avg Rate 50.2 BPM  
 Avg Connected Rate 55.1 BPM  
 Max Rate 61.8 BPM  
 Average Prop Con 2.1  
 Average Pressure 2240.1 PSI  
 Maximum Pressure 3783.0 PSI

**BREAKDOWN INFORMATION**

Base Fluid: 8.39 PPG  
 Wellhead Pressure: 965 PSI  
 Broke Back: 1612 PSI  
 Pressure (Prop at Perf): 2527 PSI  
 Initial FISP: PSI  
 ISDP: 1268 PSI

@ 2.2 BPM  
 @ 60.9 BPM  
 @ 0.679 PSIF T

(Use weight slips for below amounts)

TOTAL PROPPANT PUMPED	151,800	Lbs
% of Job		
0%	None	20.40 Lbs
0%	TLC	20.40 Lbs
100%	White Sand	20.40 151,800 Lbs

Initial Annulus Pressure 37.0 PSI  
 Final Annulus Pressure 41.0 PSI  
 Average Annulus Pressure 40.1 PSI  
 Change in Annulus Pressure 4.0 PSI

**CLEAN STREAM**

UV1 HRS	UV2 HRS	Transm.%
545	545	68.7

Variance 0.0%

MB Vari	SS Vari	Dens Vari	SC Vari
2.9%	1.7%	0.0%	0.9%

COMMENTS:  
 HES Engineer: Ugoma Achebe  
 Co. Rep: Joe Duncan  
 Crew: RED C  
 Equipment running well  
 Xlink Samples look good  
 Good job by Crew  
 Flush to top perforation per Co Rep