API Well Number: 43047542560000

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

FORM 3
AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER Ute 13-1 SWD	
2. TYPE OF WORK DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○	**3. FIELD OR WILDCAT** WINDY RIDGE
4. TYPE OF WELL Water Disposal Well Coalbed Methane Well: NO	**5. UNIT or COMMUNITIZATION AGREEMENT NAME**
6. NAME OF OPERATOR FINLEY RESOURCES INC	**7. OPERATOR PHONE** 817 231-8735
8. ADDRESS OF OPERATOR PO Box 2200, Fort Worth, TX, 76113	**9. OPERATOR E-MAIL** awilkerson@finleyresources.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 1420H624896	**11. MINERAL OWNERSHIP** FEDERAL ○ INDIAN ● STATE ○ FEE ○
12. SURFACE OWNERSHIP FEDERAL ○ INDIAN ○ STATE ○ FEE ●	
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Uintah Partners LLC	**14. SURFACE OWNER PHONE (if box 12 = 'fee')** 435-200-6800
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') 3165 E. Millrock Drive, Salt Lake City, UT 84121	**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute Indian Tribe	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ●
19. SLANT VERTICAL ● DIRECTIONAL ○ HORIZONTAL ○	

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1075 FSL 1289 FWL	SWSW	13	4.0 S	1.0 E	U
Top of Uppermost Producing Zone	1075 FSL 1289 FWL	SWSW	13	4.0 S	1.0 E	U
At Total Depth	1075 FSL 1289 FWL	SWSW	13	4.0 S	1.0 E	U

21. COUNTY UINTAH	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 1075	**23. NUMBER OF ACRES IN DRILLING UNIT** 40
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 1040	**26. PROPOSED DEPTH** MD: 3789 TVD: 3789
27. ELEVATION - GROUND LEVEL 5103	**28. BOND NUMBER** RLB0011294	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** 43-8496

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	17.5	13.375	0 - 60	48.0	H-40 ST&C	0.0	Class G	41	1.17	15.8
SURF	12.25	9.625	0 - 358	36.0	J-55 ST&C	8.6	Premium Lite High Strength	35	3.53	11.0
							Class G	85	1.17	15.8
PROD	8.75	7	0 - 3789	23.0	J-55 LT&C	8.0	50/50 Poz	271	1.24	13.2

ATTACHMENTS

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

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	☑ COMPLETE DRILLING PLAN
☑ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)	☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)	☑ TOPOGRAPHICAL MAP

NAME Zachary Archer	**TITLE** Landman	**PHONE** 817-231-8759
SIGNATURE	**DATE** 01/27/2014	**EMAIL** zarcher@finleyresources.com

API NUMBER ASSIGNED
43047542560000

APPROVAL

Permit Manager

CONFIDENTIAL

RECEIVED: March 05, 2014

Finley Resources, Inc.
Ute 13-1 SWD
1075' FSL 1289' FWL Section 13, T4S, R1E
Uintah County, UT

Drilling Program

1. Formation Tops

Duchesne River	surface
Green River(top)	2,278'
Top Bird's Nest	3,222'
Base Bird's Nest	3,589'
TD	3,789'

2. Depth to Oil, Gas, Water, or Minerals

Top Bird's Nest	1,722'	-	3,222'	(Injection zone)
Base Bird's Nest	3,589'	-	TD	(Injection zone)

Fresh water may be encountered in the Duchesne Formation, but is not expected below about 300'.

3. Pressure Control

Section	BOP Description
Surface	12-1/4" diverter
Interm/Prod	The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc for a 5M system.

A 5M BOP system will consist of 2 ram preventers (double or two singles) and an annular preventer (see attached diagram). A choke manifold rated to at least 5,000 psi will be used.

4. Casing

Description	Interval		Weight (ppf)	Grade	Coup	Pore Press @ Shoe	MW @ Shoe	Frac Grad @ Shoe	Safety Factors		
	Top	Bottom							Burst	Collapse	Tension
Conductor	0'	60'	48	H-40	STC	--	--	--	1,730	770	322,000
13 3/8									--	--	--
Surface	0'	358'	36	J-55	STC	8.33	8.6	11	3,520	2,020	422,000
9 5/8									19.32	16.99	32.74
Production	0'	3,789'	23	J-55	LTC	8.5	8	11	4,360	3,270	344,000
7									3.36	2.73	3.95

Assumptions:

Surface casing MASP = (frac gradient + 1.0 ppg) - (gas gradient)

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Intermediate casing MASP = (reservoir pressure) - (gas gradient)
Production casing MASP = (reservoir pressure) - (gas gradient)
All collapse calculations assume fully evacuated casing with a gas gradient
All tension calculations assume air weight of casing
Gas gradient = 0.1 psi/ft

All casing shall be new.
All casing strings shall have a minimum of 1 centralizer on each of the bottom 3 joints.

5. Cement

Job	Hole Size	Fill	Slurry Description	ft^3 / sacks	OH excess	Weight (ppg)	Yield (ft^3/sk)
Conductor	17 1/2	60'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	48 / 41	15%	15.8	1.17
Surface Lead	12 1/4	200'	Premium Lite II w/ 3% KCl + 10% bentonite	125 / 35	100%	11.0	3.53
Surface Tail	12 1/4	158'	Class G w/ 2% KCl + 0.25 lbs/sk Cello Flake	99 / 85	100%	15.8	1.17
Production Tail	8 3/4	1,789'	50/50 Poz/Class G w/ 3% KCl + 2% bentonite	336 / 271	25%	13.2	1.24

The surface casing will be cemented to surface. In the event that cement does not reach surface during the primary cement job, a remedial job will be performed.

Actual cement volumes for the production casing string will be calculated from an open hole caliper log, plus 25% excess.

6. Type and Characteristics of Proposed Circulating Medium

Interval	Description
Surface - 358'	An air and/or fresh water system will be utilized.
358' - TD	A water based mud system will be utilized. Hole stability may be improved with additions of KCl or a similar inhibitive substance. In order to control formation pressure the system will be weighted with additions of bentonite, and if conditions warrant, with barite. Anticipated maximum mud weight is 8.0 ppg.

7. Logging, Coring, and Testing

Logging: A dual induction, gamma ray, and caliper log will be run from TD to the base of the surface casing. A compensated neutron/formation density log will be run from TD to the top of the Garden Gulch formation. A cement bond log will be run from PBTD to the cement top behind the production casing.

Cores: As deemed necessary.

DST: There are no DST's planned for this well.

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8. Anticipated Abnormal Pressure or Temperature

Maximum anticipated bottomhole pressure will be approximately equal to total depth (feet) multiplied by a 0.44 psi/ft gradient.

3,789' x 0.44 psi/ft = 1675 psi

No abnormal temperature is expected. No H_2S is expected.

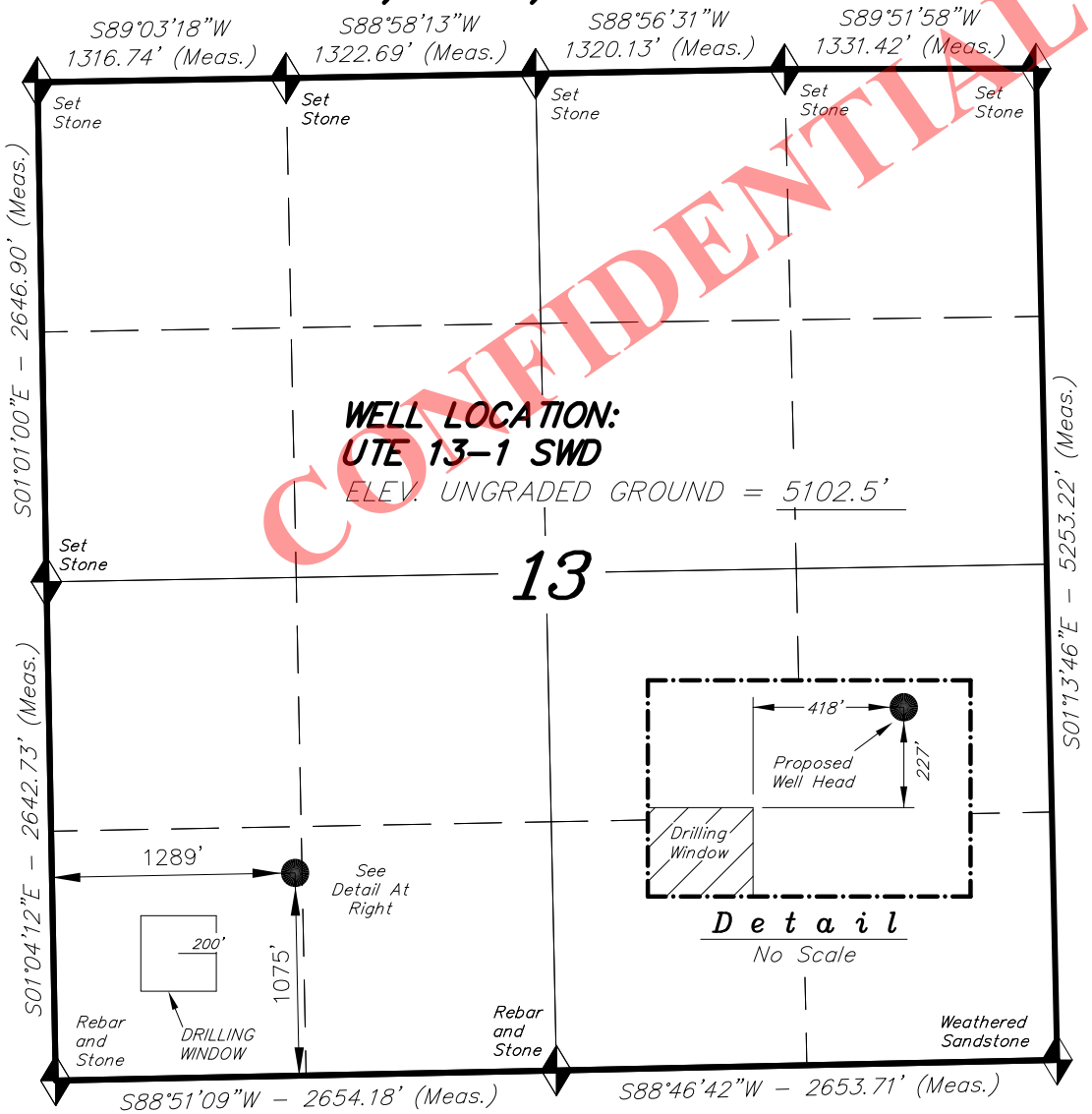
9. Other Aspects

This is planned as a vertical well.

RECEIVED: January 27, 2014

API Well Number: 43047542560000

T4S, R1E, U.S.B.&M.



CONFIDENTIAL

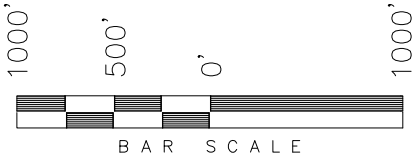
◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; Elevations are based on an N.G.S. OPUS Correction. LOCATION: LAT. 40°04'09.56" LONG. 110°00'43.28" (Tristate Aluminum Cap) Elev. 5281.57'

UTE 13-1 SWD
(Surface Location) NAD 83
LATITUDE = 40° 07' 51.07"
LONGITUDE = 109° 50' 08.85"

FINLEY RESOURCES INC.

WELL LOCATION, UTE 13-1 SWD, LOCATED AS SHOWN IN THE SW 1/4 SW 1/4 OF SECTION 13, T4S, R1E, U.S.B.&M. UINTAH COUNTY, UTAH.



NOTES:
1. Well footages are measured at right angles to the Section Lines.
2. Bearings are based on Global Positioning Satellite observations.

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.

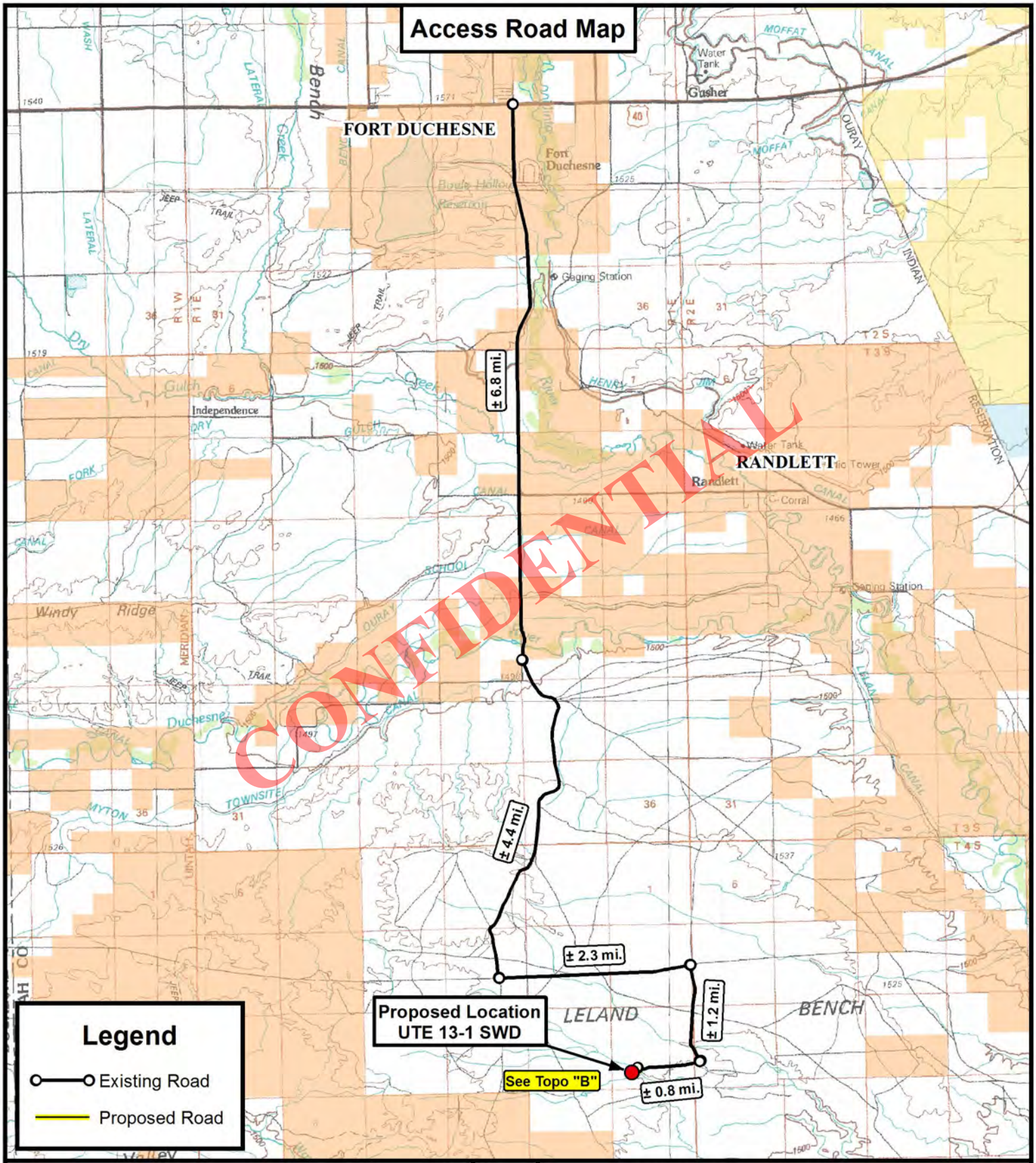
REGISTERED LAND SURVEYOR
No. 189377
12-19-13
STACY W. STEWART
REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
(435) 781-2501

DATE SURVEYED: 12-18-13	SURVEYED BY: S.H.
DATE DRAWN: 12-19-13	DRAWN BY: M.W.
REVISED:	SCALE: 1" = 1000'

RECEIVED: January 27, 2014

API Well Number: 43047542560000



Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

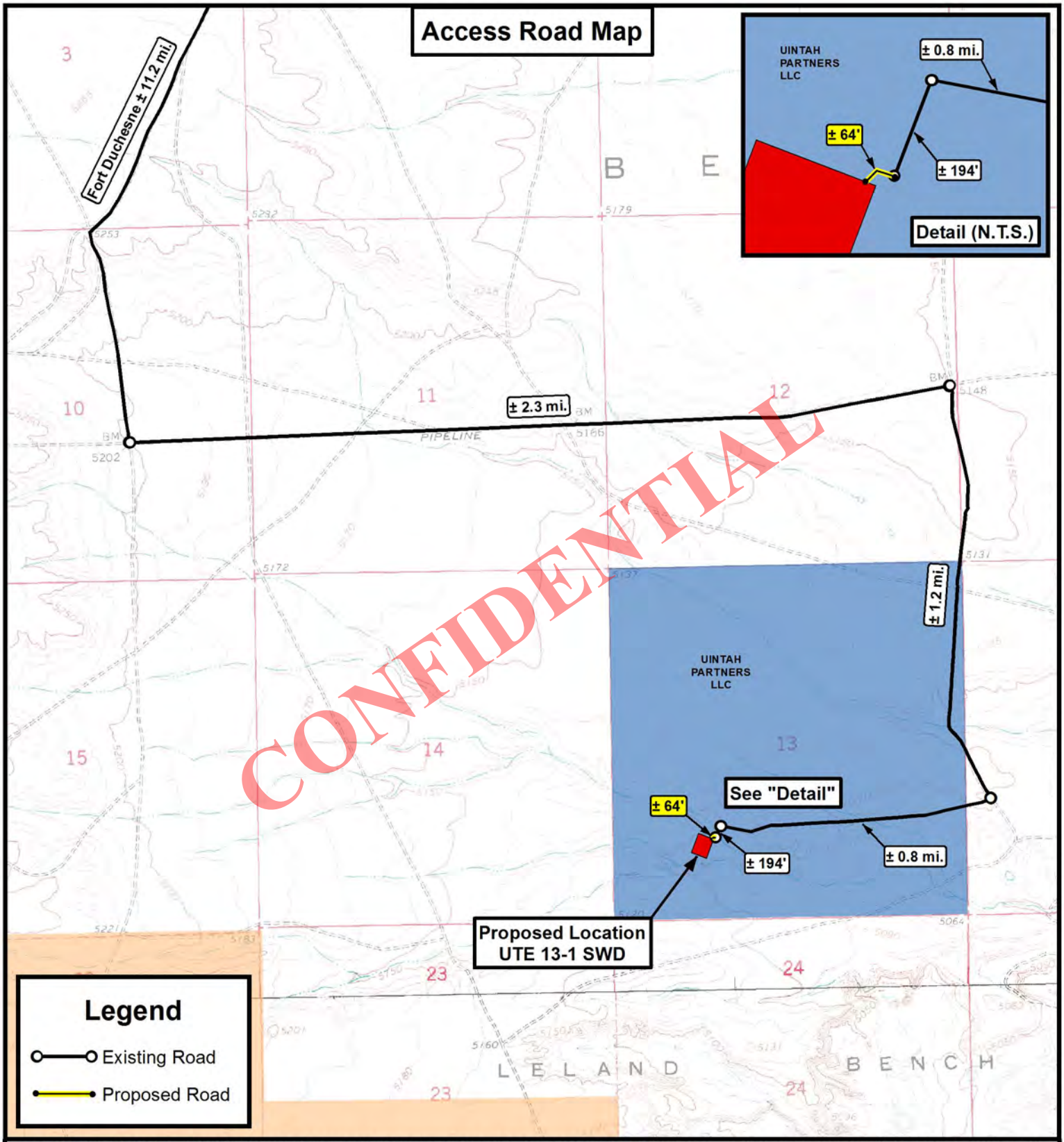
FINLEY RESOURCES INC.
UTE 13-1 SWD
Sec. 13, T4S, R1E, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	12-20-2013	
SCALE:	1:100,000	

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43047542560000



THE PARCEL INFORMATION SHOWN HAS NOT BEEN SURVEYED BY TRI-STATE LAND SURVEYING, INC. - TRI-STATE DOES NOT WARRANTY 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.

Tri State Land Surveying, Inc.
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F: (435) 781-2518

N

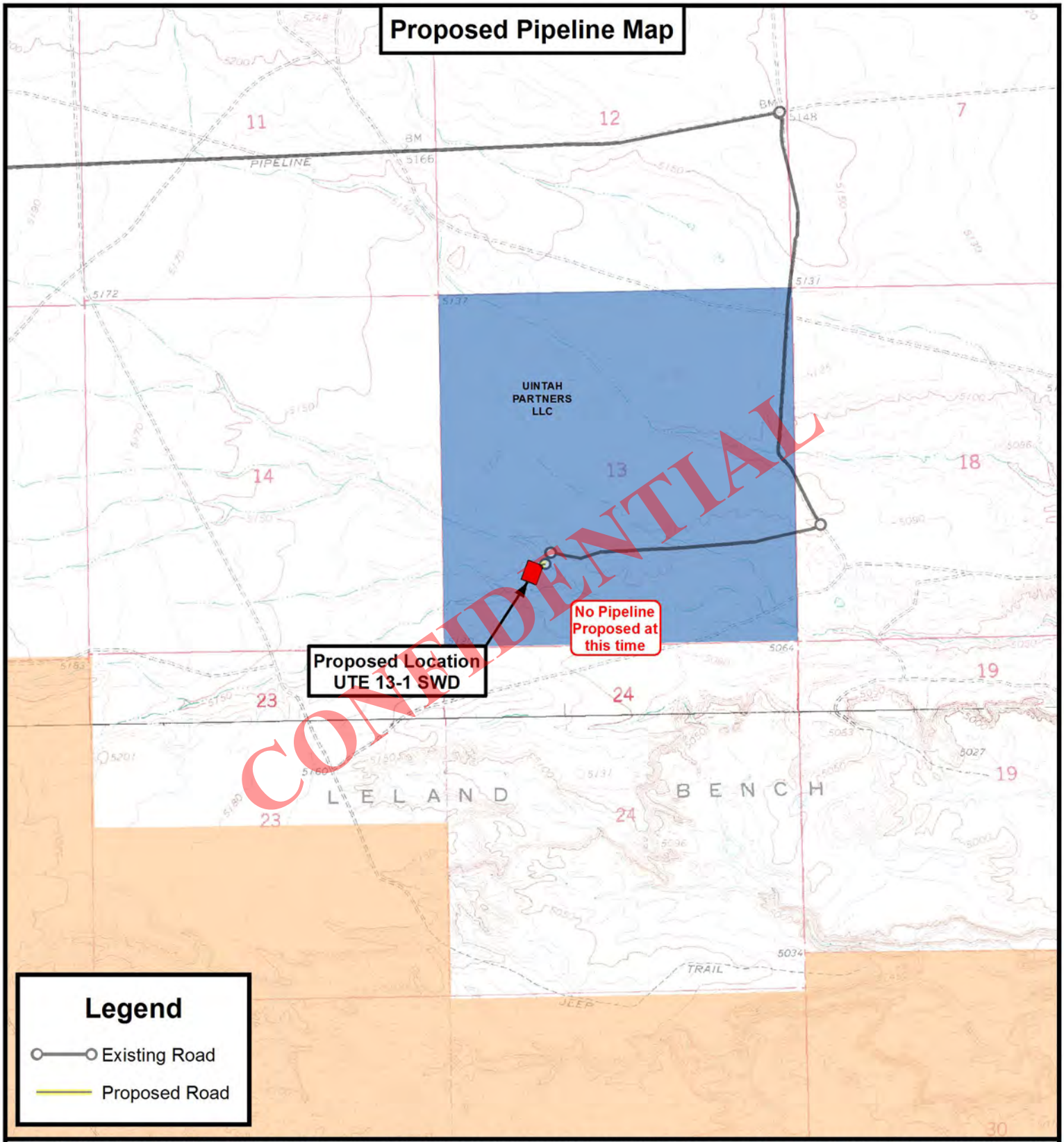
FINLEY RESOURCES INC.
UTE 13-1 SWD
Sec. 13, T4S, R1E, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	12-20-2013	
SCALE:	1 " = 2,000 '	

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43047542560000



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F: (435) 781-2518

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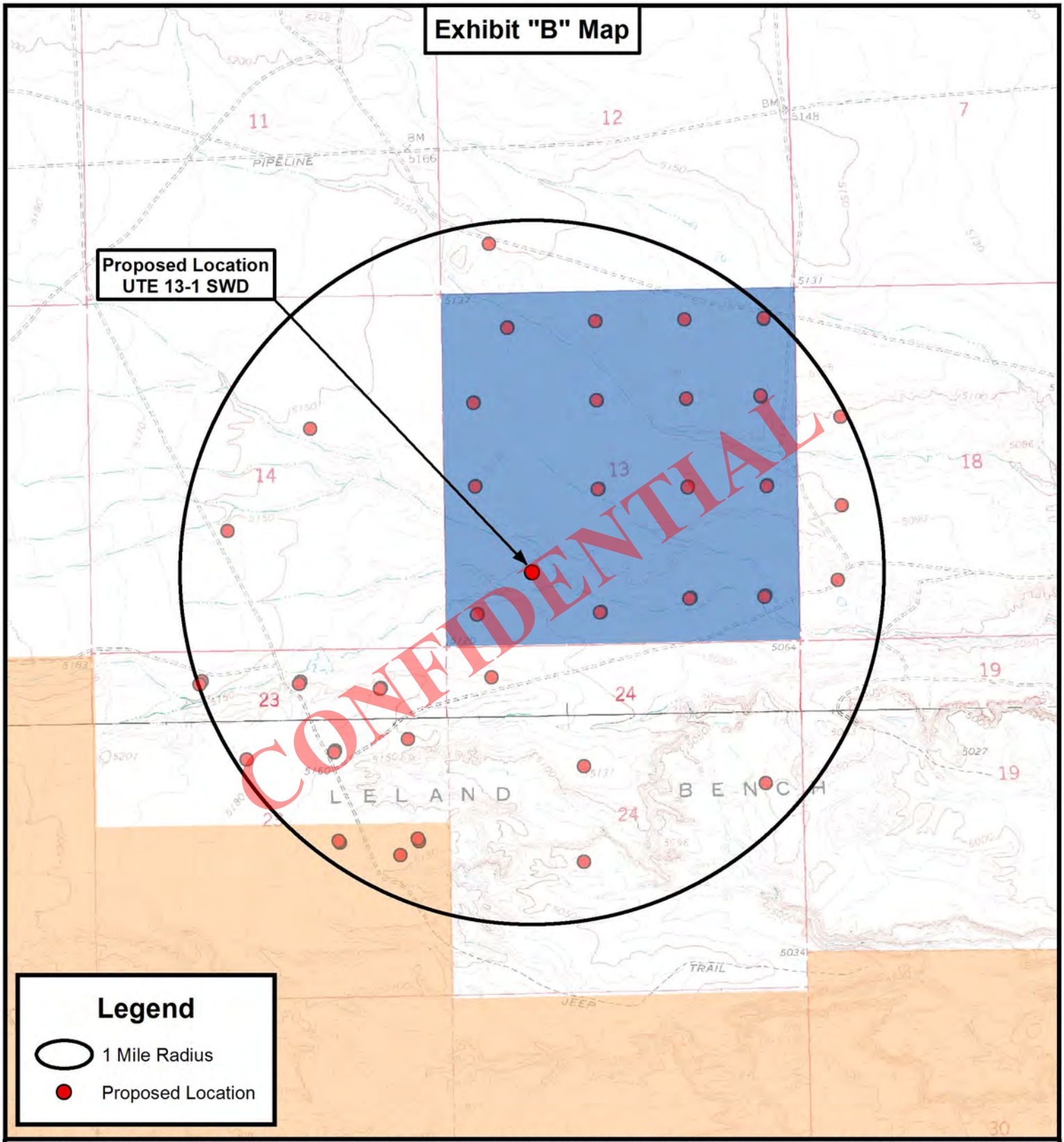
FINLEY RESOURCES INC.
UTE 13-1 SWD
Sec. 13, T4S, R1E, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	12-20-2013	
SCALE:	1 " = 2,000 '	

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43047542560000



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Tri State Land Surveying, Inc.
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F: (435) 781-2518

N

FINLEY RESOURCES INC.
UTE 13-1 SWD
Sec. 13, T4S, R1E, U.S.B.&M.
Uintah County, UT.

DRAWN BY:	A.P.C.	REVISED:
DATE:	12-20-2013	
SCALE:	1 " = 2,000 '	

TOPOGRAPHIC MAP

SHEET D

MEMORANDUM OF SURFACE USE AGREEMENT
AND GRANT OF EASEMENTS

WHEREAS, Salradus, L.L.C., Bonnie Coleman managing member, whose address is 148 West Center Street, Heber City, UT 84032, Coleman Mountain Holdings, L.L.C., Mary Jo Coleman Adamson managing member, whose address is P.O. Box 610, Roosevelt, UT 84066, Joseph N. Coleman, Trustee of the Coleman Family Trust, dated June 7, 1991, whose address is 393 East Center, Heber City, UT 84032, and Leila Coleman, Trustee of the Coleman Family Trust dated June 28, 1991, whose address is 950 South 400 East #112, St. George, UT 84770 (hereinafter collectively referred to as "Coleman"), and Uintah Resources, Inc. whose address is 3165 E. Millrock Drive, Suite 550, Salt Lake City, UT 84121 ("Optionee"") (Coleman and Optionee are hereinafter collectively referred to as "Owner") and Finley Resources, Inc., whose address is P.O. Box 2200, Fort Worth, Texas, 76113 ("Operator"), have entered into that certain Easement, Right-of-Way and Surface Use Agreement, hereinafter the "SUA", dated effective April 24th, 2012 covering the following lands owned by Owner in Uintah County, Utah, to wit:

Township 4 South, Range 1East, U.S.M.
Section 13: All
Section 16: All
Section 23: N/2

hereinafter the "Lands"

WHEREAS, in the SUA Owner grants and conveys unto Operator a non-exclusive right to enter upon and use the Lands and Owner's adjacent lands for certain oil and gas related purposes, together with a right-of-way across the Lands to maintain and construct access roads, well sites, holding tanks and other such related facilities necessary for Operators oil and gas operations.

This Memorandum of Surface and Damage Agreement shall serve as notice of the agreement covering the Lands and that the SUA is binding upon Owner and Operator's respective successors and/or assigns.

The terms and provisions of the unrecorded SUA are referred to and incorporated herein, and made a part hereof to the same extent as though set out verbatim. Should any conflict arise between the terms of this Memorandum of Surface Use Agreement and Grant of Easements and the SUA, the terms of the SUA shall control.

Executed this 24th day of April, 2012.

OWNER:

Salradus, L.L.C.
Bonnie S. Coleman, managing member
148 West Center Street
Heber City, UT 84032

Coleman Mountain Holdings, L.L.C.
Mary Jo Coleman Adamson, Managing Member
P.O. Box 610
Roosevelt, UT 84066

Coleman Family Trust
Joseph N. Coleman, Trustee
393 East Center
Heber City, UT 84032

The Coleman Family Trust
Leila Coleman, Trustee
950 South 400 East #112
St. George, UT 84770

Uintah Resources, Inc.
By: Todd Dana
Its: President

OPERATOR:

Finley Resources Inc.
By: Clinton Koerth
Its: Vice President

Coleman Mountain Holdings, L.L.C.
Mary Jo Coleman, managing member.
610 N. Mesa Circle. PO Box 610
Roosevelt, UT 84066

Coleman Family Trust
Joseph N. Coleman, Trustee
393 East Center
Heber City, UT 84032

The Coleman Family Trust
Leila Coleman, Trustee
950 South 400 East #112
St. George, UT 84770

Uintah Resources, Inc.
By: ~~Todd Dana~~ Vincent J Memmott
Its: President

OPERATOR:

Finley Resources Inc.
By: Clinton Koerth
Its: Vice President

Coleman Mountain Holdings, L.L.C.
Mary Jo Coleman Adamson, Managing Member
P.O. Box 610
Roosevelt, UT 84066

Coleman Family Trust
Joseph N. Coleman, Trustee
393 East Center
Heber City, UT 84032

Leila Coleman Trustee

The Coleman Family Trust
Leila Coleman, Trustee
950 South 400 East #112
St. George, UT 84770

Uintah Resources, Inc.
By: Todd Dana
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OPERATOR:

Finley Resources Inc.
By: Clinton Koerth
Its: Vice President

API Well Number: 43047542560000

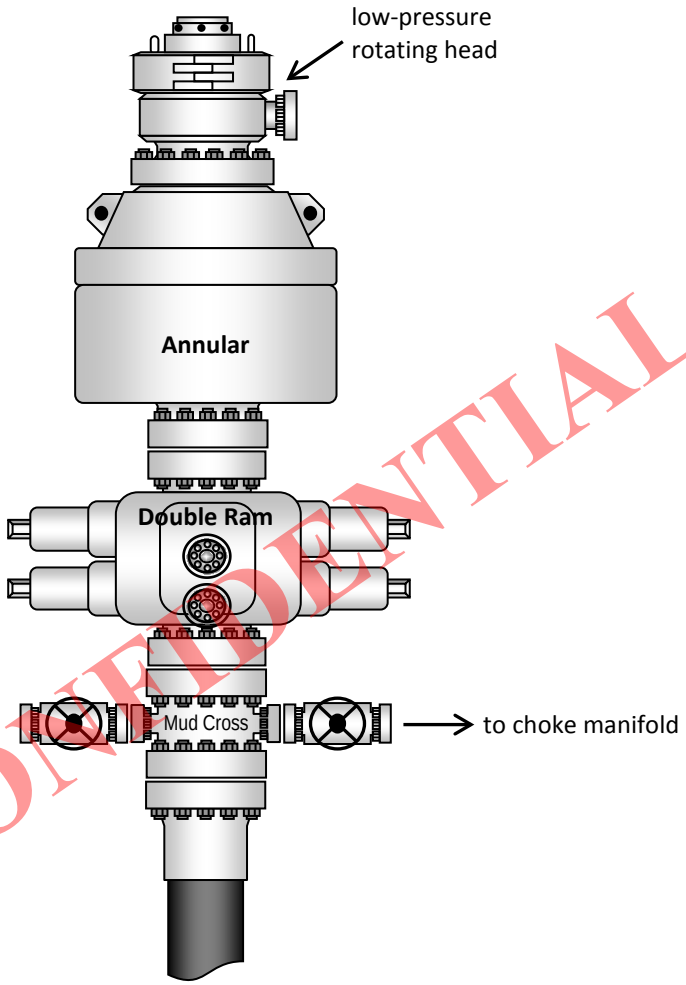
Leila Coleman, Trustee
950 South 400 East #112
St. George, UT 84770

Uintah Resources, Inc.
By: Todd Dana
Its: President

OPERATOR:

Finley Resources Inc.
By: Clinton Koerth
Its: Vice President

Typical 5M BOP stack configuration



RECEIVED: January 27, 2014

API Well Number: 43047542560000

Star Point Enterprises, Inc.

2580 Creekview Road
Moab, Utah 84532
435/719-2018

January 10, 2014

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

RE: Request for Exception to Spacing – Finley Resources, Inc. – **Ute 13-1 SWD**
1,075' FSL & 1,289' FWL, SW/4 SW/4, Section 13, T4S, R1E, USB&M
Uintah County, Utah

Dear Diana:

Finley Resources, Inc. respectfully submits this request for exception to spacing (R649-3-2) based on topography since the well is located less than 460 feet to the drilling unit boundary and is the second well proposed within the 40 acre drilling spacing unit. Finley Resources, Inc. is the only owner and operator within 460 feet of the surface and target location as well as all points along the intended well bore path and never intends production from the well bore with the well bore being drilled solely for the purpose of future UIC approval and water disposal. This well will not be capable of production.

Thank you very much for your timely consideration of this application. Please feel free to contact Zachary Archer of Finley Resources, Inc. at 817-231-8759 or myself should you have any questions or need additional information.

Sincerely,

Don Hamilton
Agent for Finley Resources, Inc.

cc: Zachary Archer, Finley Resources, Inc.

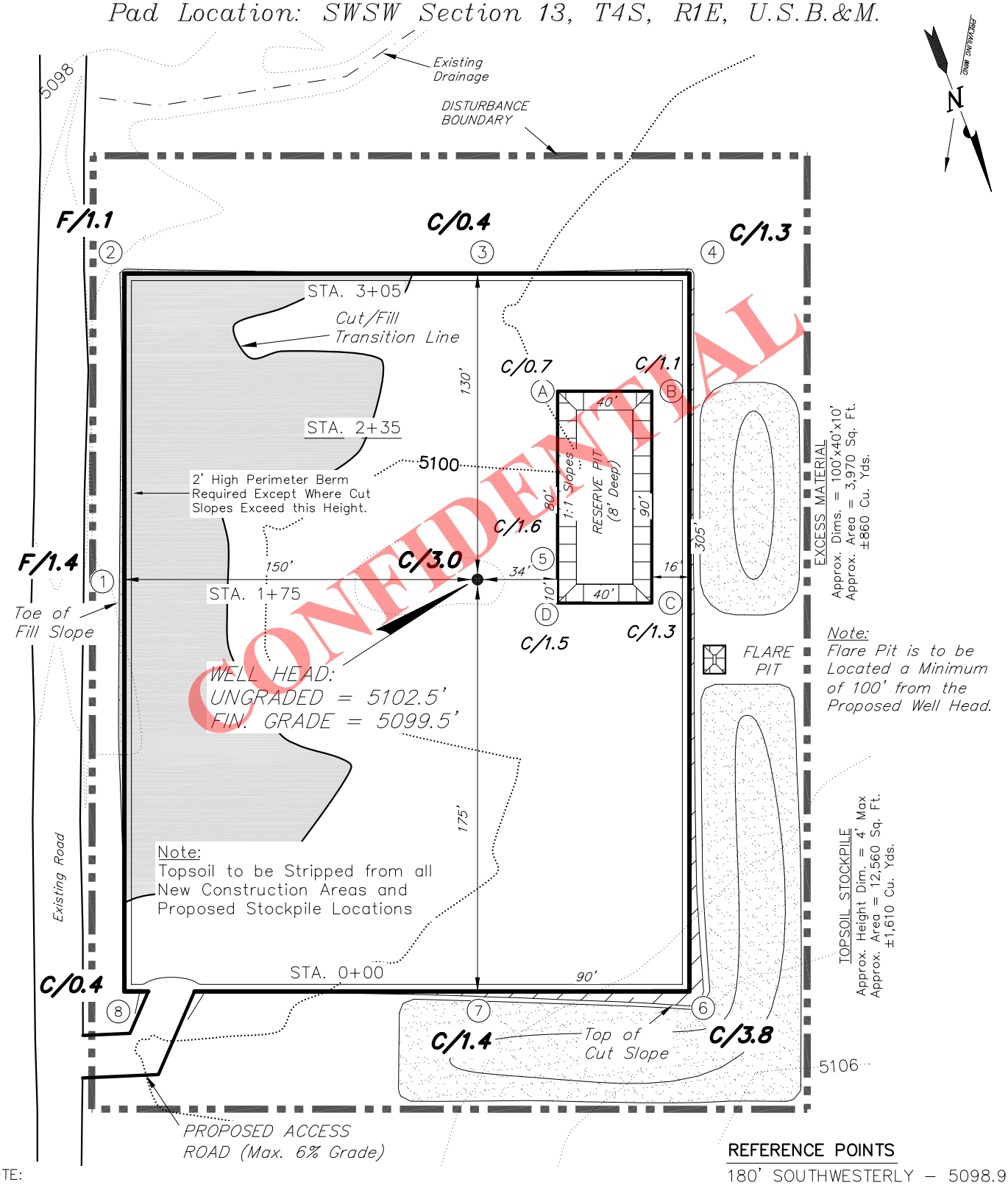
RECEIVED: January 27, 2014

FINLEY RESOURCES INC.

PROPOSED LOCATION LAYOUT

UTE 13-1 SWD

Pad Location: SWSW Section 13, T4S, R1E, U.S.B.&M.



NOTE:
The topsoil & excess material areas are calculated as being mounds containing 2,470 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

REFERENCE POINTS

180' SOUTHWESTERLY – 5098.9'
230' SOUTHWESTERLY – 5098.9'
225' NORTHEASTERLY – 5102.3'
275' NORTHEASTERLY – 5102.8'

SURVEYED BY:	S.H.	DATE SURVEYED:	12-18-13
DRAWN BY:	M.W.	DATE DRAWN:	12-19-13
SCALE:	1" = 60'	REVISED:	

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: January 27, 2014

FINLEY RESOURCES INC.

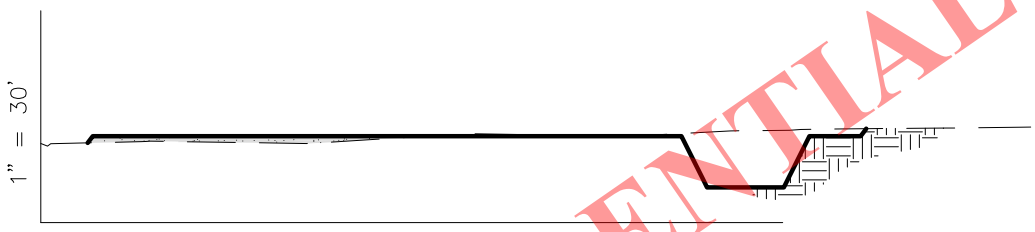
CROSS SECTIONS

UTE 13-1 SWD

Pad Location: SWSW Section 13, T4S, R1E, U.S.B.&M.

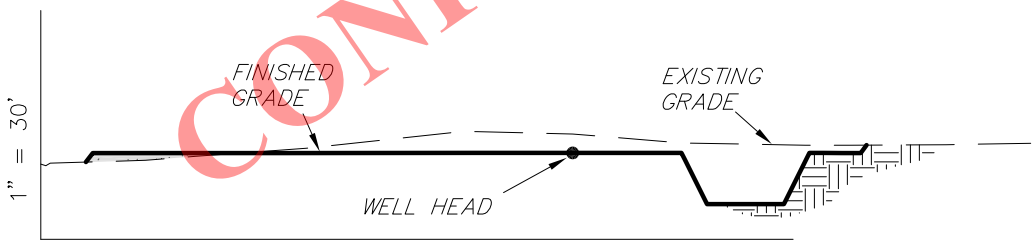
1" = 60'

STA. 3+05



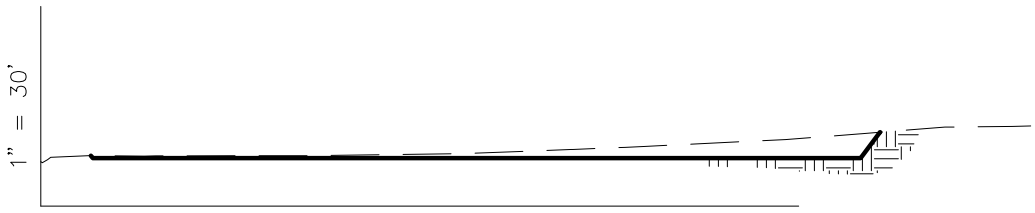
1" = 60'

STA. 2+35



1" = 60'

STA. 1+75



1" = 60'

STA. 0+00

NOTE:
UNLESS OTHERWISE
NOTED ALL CUT/FILL
SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	1,040	1,040	Topsoil is not included in Pad Cut Volume	0
PIT	780	0		780
TOTALS	1,820	1,040	1,470	780

SURVEYED BY:	S.H.	DATE SURVEYED:	12-18-13
DRAWN BY:	M.W.	DATE DRAWN:	12-19-13
SCALE:	1" = 60'	REVISED:	

Tri State Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: January 27, 2014

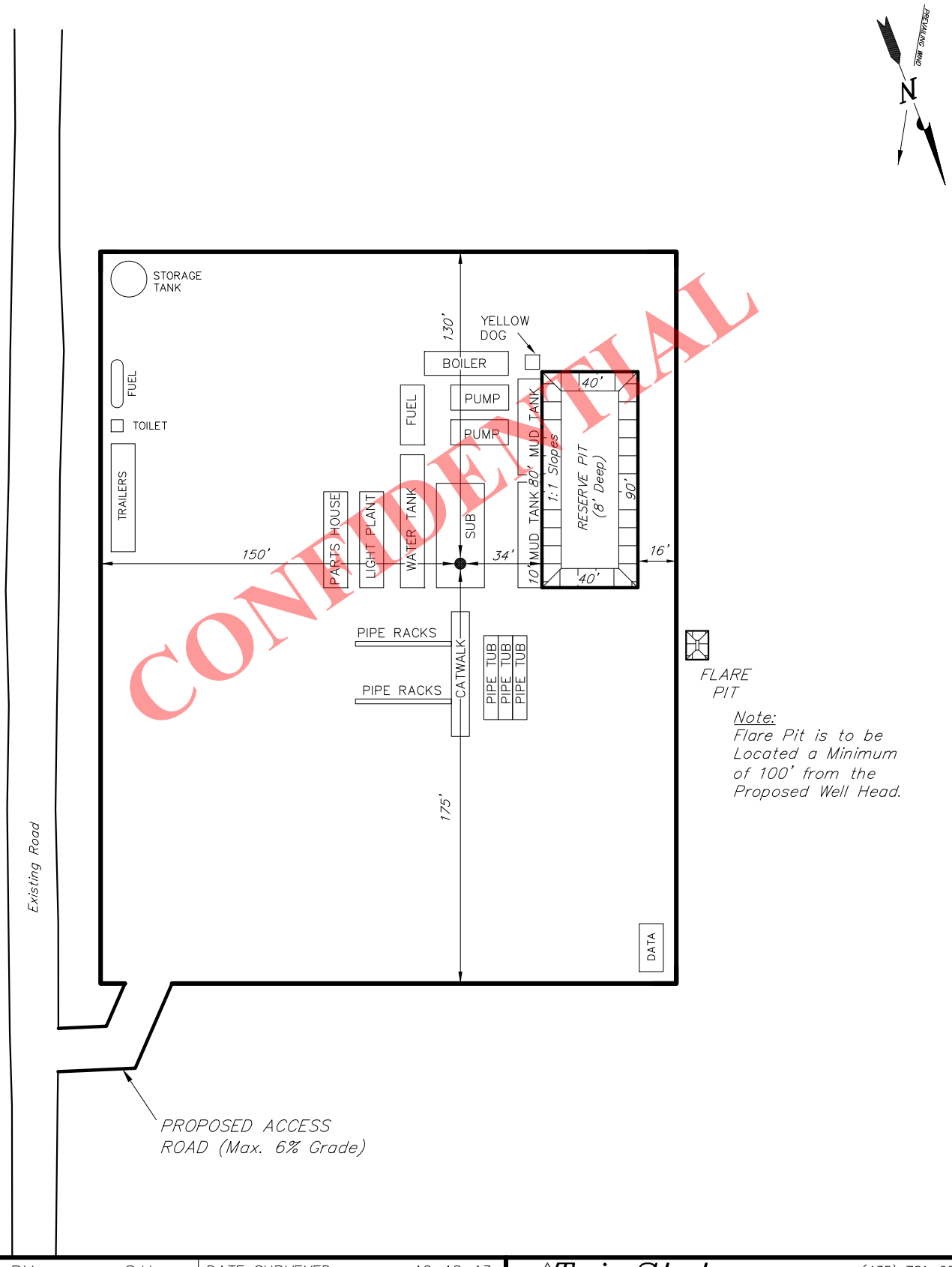
API Well Number: 43047542560000

FINLEY RESOURCES INC.

TYPICAL RIG LAYOUT

UTE 13-1 SWD

Pad Location: SWSW Section 13, T4S, R1E, U.S.B.&M.



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DRAWN BY:	M.W.	DATE DRAWN:	12-19-13
SCALE:	1" = 60'	REVISED:	

Tri State Land Surveying, Inc. (435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

RECEIVED: January 27, 2014

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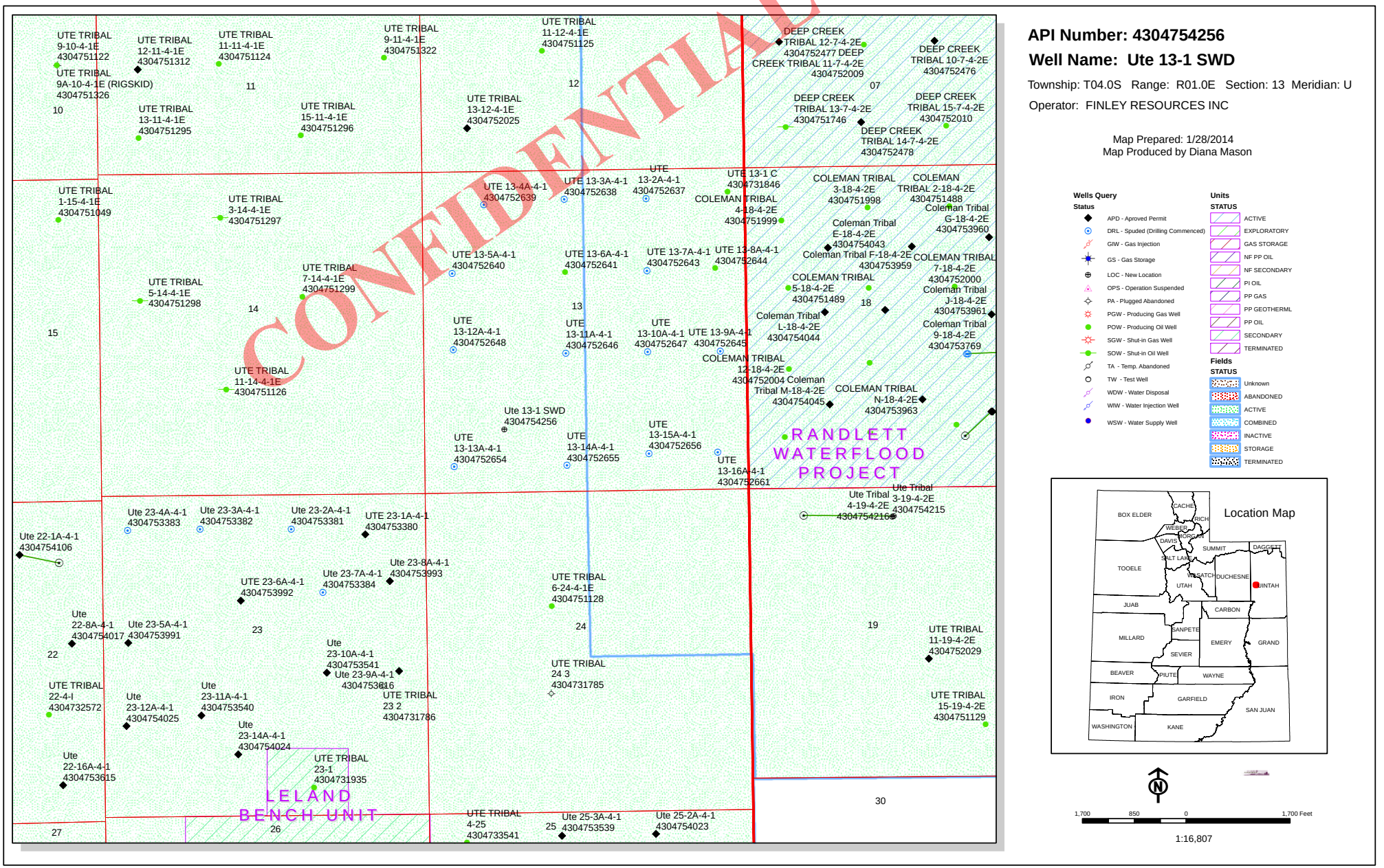


API Number: 4304754256

Well Name: Ute 13-1 SWD

Township: T04.0S Range: R01.0E Section: 13 Meridian: U

Operator: FINLEY RESOURCES INC

Map Prepared: 1/28/2014
Map Produced by Diana Mason

Wells Query

Status

- APD - Aproved Permit
- DRL - Spuded (Drilling Commenced)
- GIW - Gas Injection
- GS - Gas Storage
- LOC - New Location
- OPS - Operation Suspended
- PA - Plugged Abandoned
- PGW - Producing Gas Well
- POW - Producing Oil Well
- SGW - Shut-in Gas Well
- SOW - Shut-in Oil Well
- TA - Temp. Abandoned
- TW - Test Well
- WDW - Water Disposal
- WIW - Water Injection Well
- WSW - Water Supply Well

Units

STATUS

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields

STATUS

- Unknown
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- STORAGE
- TERMINATED

1,700 850 0 1,700 Feet

1:16,807

RECEIVED: January 28, 2014

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator	FINLEY RESOURCES INC				
Well Name	Ute 13-1 SWD				
API Number	43047542560000	**APD No**	9314	**Field/Unit**	WINDY RIDGE
Location: 1/4,1/4	SWSW **Sec** 13 **Tw** 4.0S **Rng** 1.0E	1075 FSL	1289 FWL		
GPS Coord (UTM)	599188 4442930	**Surface Owner**	Uintah Partners LLC		

Participants

Jim Burns - Starpoint, Dayton Slaugh - Tristate, Jim Simonton - Finley

Regional/Local Setting & Topography

This location is in an area known as the Leland Bench. Most of the bench is fairly flat with some slight rolling hills and shallow ephemeral drainages. The Parriette wetlands are found below south. The town of Randlette is about 10 miles north. This Salt Water Disposal well is located in the center of producing oil wells operated by Finley resources

Surface Use Plan

Current Surface Use
Grazing

New Road Miles	Well Pad	Src Const Material	Surface Formation
0	**Width** 200 **Length** 200	Onsite	UNTA

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

High desert shrubland ecosystem. Expected vegetation consists of black sagebrush, shadscale, Atriplex spp., mustard spp, rabbit brush, horsebrush, broom snakeweed, Opuntia spp and spring annuals.
Dominant vegetation;
Galletta and Globe Mallow
Wildlife;
Adjacent habitat contains forbs that may be suitable browse for deer, antelope, prairie dogs or rabbits, though none were observed.

Soil Type and Characteristics

light colored clays

Erosion Issues N

Sedimentation Issues N

Site Stability Issues N

RECEIVED: March 05, 2014

Drainage Diverson Required? N

Berm Required? N

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	100 to 200	5
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	300 to 1320	10
Native Soil Type	Mod permeability	10
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	30 1 Sensitivity Level

Characteristics / Requirements

Pit to be dug to a depth of 8'. Pit should be fenced to prevent entry by deer, other wildlife and domestic animals. Pit to be closed within one year after drilling activities are complete

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** N

Other Observations / Comments

I would like to witness the step rate test

Chris Jensen	2/5/2014
Evaluator	**Date / Time**

RECEIVED: March 05, 2014

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
9314	43047542560000	LOCKED	WD	P	No
Operator	FINLEY RESOURCES INC		**Surface Owner-APD**	Uintah Partners LLC	
Well Name	Ute 13-1 SWD		**Unit**		
Field	WINDY RIDGE		**Type of Work**	DRILL	
Location	SWSW 13 4S 1E U 1075 FSL 1289 FWL GPS Coord (UTM) 599184E 4442928N				

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill	3/4/2014
APD Evaluator	**Date / Time**

Surface Statement of Basis

Location is proposed in a good location with no apparent risks from drainages. Access road enters the pad from the east. The landowner or its representative was not in attendance for the pre-site inspection.
The soil type and topography at present do combine to pose a significant threat to erosion or sediment/ pollution transport in these regional climate conditions.
Usual construction standards of the Operator appear to be adequate for the proposed purpose as submitted.
I recognize no special flora or animal species or cultural resources on site that the proposed action may harm. The Parriette wetland area can be found South of the site. The location was not previously surveyed for cultural and paleontological resources (as the operator saw fit). I have advised the operator take all measures necessary to comply with ESA and MBTA and that actions insure no disturbance to species that may have not been seen during onsite visit.
Fencing around the reserve pit will be necessary to prevent wildlife and livestock from entering. A synthetic liner of 16 mils (minimum) should be utilized in the reserve pit.
Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.

Chris Jensen	2/5/2014
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Measures (BMP's) shall be taken to protect steep slopes and topsoil pile from erosion, sedimentation and stability issues.

RECEIVED: March 05, 2014

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 1/27/2014
API NO. ASSIGNED: 43047542560000
WELL NAME: Ute 13-1 SWD
OPERATOR: FINLEY RESOURCES INC (N3460)
PHONE NUMBER: 817-231-8759
CONTACT: Zachary Archer

PROPOSED LOCATION: SWSW 13 040S 010E
Permit Tech Review: ☑

SURFACE: 1075 FSL 1289 FWL
Engineering Review: ☐

BOTTOM: 1075 FSL 1289 FWL
Geology Review: ☑

COUNTY: UINTAH
LATITUDE: 40.13084
LONGITUDE: -109.83583
UTM SURF EASTINGS: 599184.00
NORTHINGS: 4442928.00
FIELD NAME: WINDY RIDGE
LEASE TYPE: 2 - Indian
LEASE NUMBER: 1420H624896
PROPOSED PRODUCING FORMATION(S): GREEN RIVER
SURFACE OWNER: 4 - Fee
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - RLB0011294
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** 43-8496
- ☐ **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: R649-3-3
Effective Date:
Siting:

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
1 - Exception Location - dmason
4 - Federal Approval - dmason
5 - Statement of Basis - bhill
23 - Spacing - dmason

RECEIVED: March 05, 2014

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: Ute 13-1 SWD
API Well Number: 43047542560000
Lease Number: 1420H624896
Surface Owner: FEE (PRIVATE)
Approval Date: 3/5/2014

Issued to:
FINLEY RESOURCES INC , PO Box 2200, Fort Worth, TX 76113

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 R649-3-3. The expected producing formation or pool is the GREEN RIVER 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:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the “Board”). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being

drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

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

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 at 801-538-5284
  (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov

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:

For John Rogers
Associate Director, Oil & Gas

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Green River District
Vernal Field Office
170 South 500 East
Vernal, UT 84078
http://www.blm.gov/ut/st/en/fo/vernal.html

AUG 05 2014

IN REPLY REFER TO:
3160 (UTG011)

April Wilkerson
Finley Resources, Inc.
PO Box 2200
Ft. Worth, TX 76113

43 047 54256

Re: Request to Return APD
Well No. Ute 13-1 SWD
SWSW, Sec. 13, T4S, R1E
Uintah County, Utah
Lease No. 14-20-H62-4896

Dear April:

The Application for Permit to Drill (APD) for the above referenced well received in this office on March 14, 2014, is being returned unapproved per request to this office in an email message to Land Law Examiner Robin R. Hansen received on June 23, 2014, from Don Hamilton. If you intend to drill at this location at a future date, a new APD must be submitted.

If you have any questions regarding APD processing, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka
Assistant Field Manager
Lands & Resource Minerals

Enclosures

cc: UDOGM
Don Hamilton

bcc: Well File

FINLEY RESOURCES, INC. NOTIFICATION FORM—STATE, UTE TRIBE, BIA.,BLM

OPERATOR: FINLEY RESOURCES, INC. RIG NAME/CONST. CO: Pro-Petro

SUBMITTED BY: JIM SIMONTON PHONE #: 435-630-1023

WELL NAME/NUMBER: Ute 13-1 SWD

QTR/QTR: SWSW SEC.: 13 T: 4S R: 1 E

LEASE SN: Fee UTM: 599184E 4442928N

CONFIDENTIAL

API #: 43-047-54256

LOCATION CONSTRUCTION START DATE: 10/28/14

LOCATION CONSTRUCTION FINISH DATE: 10/31/14

CONDUCTOR SPUD NOTICE: DATE: 10/31/14 TIME: 10:00AM

SURFACE SPUD NOTICE: DATE: 11/1/14 TIME: 4:00PM

SURFACE CSG.CEMENT NOTICE: DATE: 11/2/14 TIME: noon

REMARKS: On 10/31/14 RU Pete Martin rat hole rig. Bucket drill 24" hole to 42' and ran 40' of 16" conductor and grout in. On 11/1/14 RU Pro-Petro air rig and spud 12-1/4" surface hole at 4:00PM. Air mist to 500'. Ran 10 jts.of new 9-5/8" 36# J-55 LT&C csg.to 425' on 11/2/14. Used 5 centralizers. RU cementers on 11/2/14 and cement surface csg.with 260 sxs.of 15.8 ppg "G" cement and displace plug with fresh water. Had 17 bbl.of good cement to surface. Hole standing full. RDUFA.

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H624896

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Water Disposal Well

8. WELL NAME and NUMBER: Ute 13-1 SWD

2. NAME OF OPERATOR:
FINLEY RESOURCES INC

9. API NUMBER: 43047542560000

3. ADDRESS OF OPERATOR:
PO Box 2200 , Fort Worth, TX, 76113

PHONE NUMBER:
817 231-8735 Ext

9. FIELD and POOL or WILDCAT: WINDY RIDGE

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1075 FSL 1289 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWSW Section: 13 Township: 04.0S Range: 01.0E Meridian: U

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 2/2/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Step Rate and MIT Testing

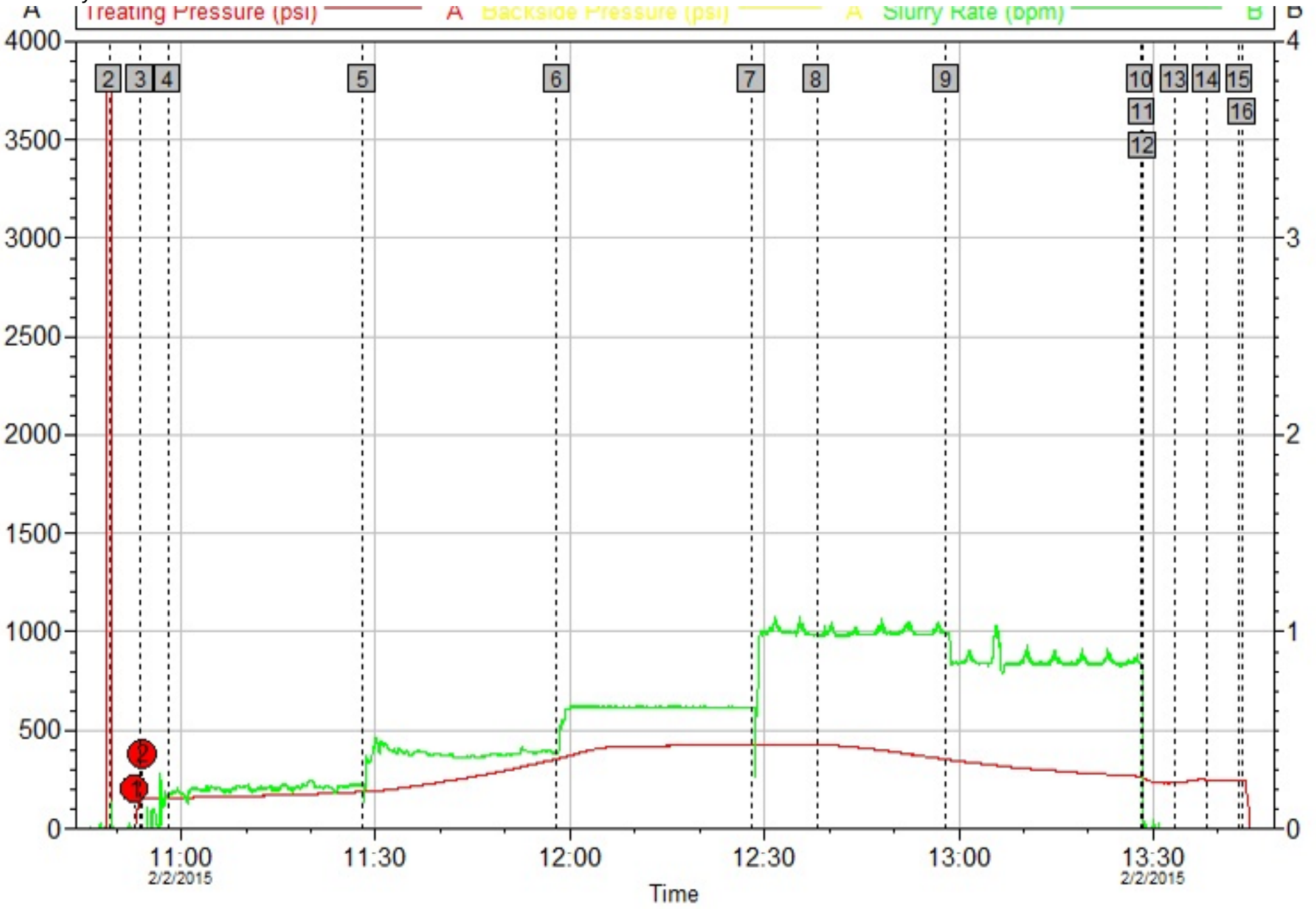
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Finley Resources, Inc. respectfully submits the attached Step Rate and MIT Test data and witness verification for the Ute 13-1 SWD.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
March 03, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Don Hamilton	435 650-3866	Permitting Agent (Star Point Enterprises, Inc.)
SIGNATURE		**DATE**
N/A		3/3/2015

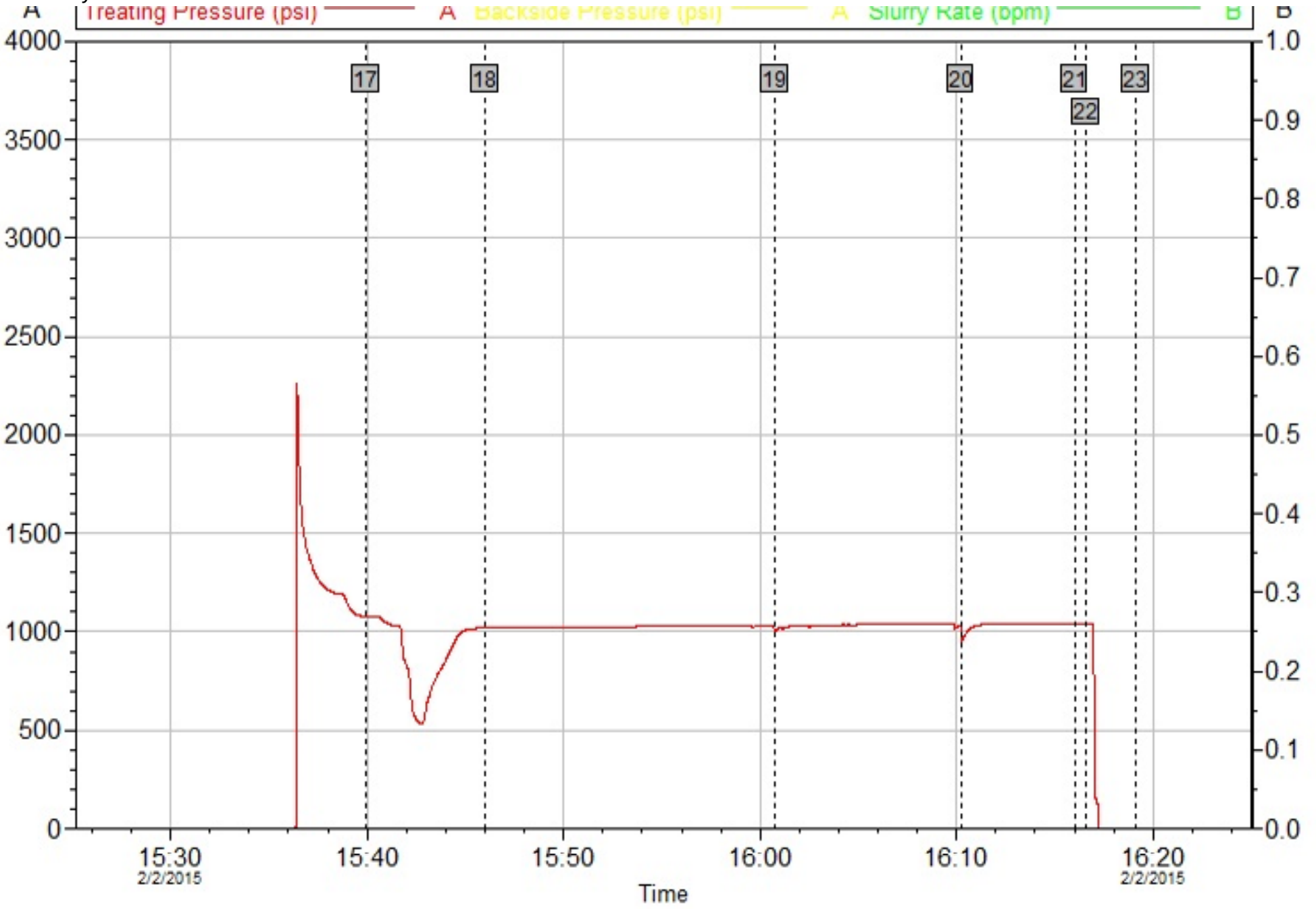
RECEIVED: Mar. 03, 2015



Customer: FINLEY RESOURCES INC - EBUS	Job Date: 02-Feb-2015	Sales Order #: 0902095959
Well Description: Ute 13-1 -4-1 SWD	UWI:	

INSITE for Stimulation v4.5.1
02-Feb-15 16:21

RECEIVED: Mar. 03, 2015



Customer: FINLEY RESOURCES INC - EBUS	Job Date: 02-Feb-2015	Sales Order #: 0902095959
Well Description: Ute 13-1 -4-1 SWD	UWI:	

INSITE for Stimulation v4.5.1
02-Feb-15 16:23

RECEIVED: Mar. 03, 2015

HALLIBURTON JOB LOG

TICKET # 9.02E+08		TICKET DATE February 2, 2015	
REGION NORTH AMERICA	NWA / COUNTRY ROCKY MOUNTAIN / USA	BDA / STATE Utah	COUNTY Duchesne
MBU ID / EMPL # 0	H.E.S EMPLOYEE NAME 0	PSL DEPARTMENT PRODUCTION ENHANCMENT	
LOCATION VERNAL UT.	COMPANY Finley	CUSTOMER REP / PHONE 0	
TICKET AMOUNT $0.00	WELL TYPE 00 / WELL CATEGORY 00	API/UWI # 0	
WELL LOCATION LAND	DEPARTMENT 5005	JOB PURPOSE CODE 0	
LEASE Ute / WELL # 13-1-4-1 SWD	SEC / TWP / RNG 0		

Chart No.	Time	Rate bpm	Volume bbl	Pmps T	Pmps C	Press.(PSI) Tbg	Press.(PSI) Csg	Job Description / Remarks
	0500							CALLED OUT
	0900							ON LOCATION
	0905							PRE RIG UP SAFETY HUDDLE
	0910							RIG UP
	0820							PRE JOB SAFETY MEETING
	10:48	0.0	0			3,806		Pressure Test
	10:52	0.0	0			3		Start Job
	10:53	0.0	0			142		Open Well
	10:54	0.0	0			150		Pump-In
	10:58	0.2	0			157		Injection Rate Start 0.2
	11:28	0.2	6			188		Injection Rate End 0.2. Increase Rate to 0.4
	11:58	0.4	18			354		Injection Rate end 0.4 step increase rate to 0.6
	12:28	0.6	36			427		Injection Rate end 0.6 step increase rate to 1.0
	12:38	1.0	46			428		Break Formation
	12:58	1.0	66			353		Injection Rate end 1.0 step decrease rate to 0.85
	13:28	0.8	91			265		Injection Rate end
	13:28	0.8	92			265		Shutdown
	13:28	0.3	92			264		ISIP
	13:33	0.0	92			233		Shut-In Pressure @ 5 Minutes
	13:38	0.0	92			248		Shut-In Pressure @ 10 Minutes
	13:43	0.0	92			246		Shut-In Pressure @ 15 Minutes
	13:43	0.0	92			247		Shut In Well
	15:39	0.0	92			1,076		Open Well
	15:46	0.0	92			1,020		MIT Pressure Test Start
	16:00	0.0	92			1,011		Dropped parts in bed of truckcable
	16:10	0.0	92			1,032		Dropped parts in bed of truck
	16:16	0.0	92			1,044		MIT EndPressure Test
	16:16	0.0	92			1,044		Shut In Well
	16:19							Ending Job
								ALL RATES AND PRESSURES DIRECTED BY CUSTOMER REP.
								SUMMARY
								HHP **5** FG. **0.51**
								AVG RT. **0.7** BPM MAX RT. **1.1** BPM
								AVG PRESS. **300** PSI MAX PRESS. **428** PSI
								TOTAL LOAD **3,864** GAL **92.0** BBL

RECEIVED: Mar. 03, 2015

HALLIBURTON
JOB SUMMARY

TICKET #	TICKET DATE
902095959	February 2, 2015

REGION	NWA / COUNTRY	BDA / STATE	COUNTY
NORTH AMERICAN	ROCKY MOUNTAIN / USA	Utah	Duchesne

MBU ID / EMPL #	H.E.S EMPLOYEE NAME / EMPLOYEE #	PSL DEPARTMENT
		PRODUCTION ENHANCMENT

LOCATION	COMPANY	CUSTOMER REP / PHONE
VERNAL UT.	Finley	

TICKET AMOUNT	WELL TYPE	WELL CATEGORY	API/UWI #

WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE
LAND	5005	

LEASE	WELL #	SEC / TWP / RNG
Ute	13-1-4-1 SWD	

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
	8.0			
Merrell, Brandon / 244956	8.0			
	8.0			
	8.0			
	8.0			
	8.0			
	8.0			
	8.0			

H.E.S. UNIT #'S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
	70			
12251192	70			
	70			
	70			
	70			
	70			
	70			
	70			

Form. Name — Type:
Form. Thickness 328 From 3,238 To 3,566
Packer Type — Set At 3,177
Bottom Hole Temp. — Pressure 1,739
Misc. Data — Total Depth

	Called Out	On Location	Job Started	Job Completed
Date	2/2/2015	2/2/2015	2/2/2015	11/19/2014
Time	0500	0900	1052	1617

Materials

Treat. Fluid		Density		Lb/Gal			
Disp. Fluid		Density	8.34	Lb/Gal			
Prop. Type		Sz		Lb.			
Prop. Type		Sz		Lb.			
Acid Type		Gal.		%			
Acid Type		Gal.		%			
Surfactant		Gal.		In			
Surfactant		Gal.		In			
Fluid Loss		Gal/Lb		In			
Gelling Agent		Gal		In			
Breaker		Gal/Lb		In			
Breaker		Gal/Lb		In			
INHIBITOR		Gal/Lb		In			
Bioballs			Qty.				
Biocide		Gal/Lb		In			
Cross-linker		Gal/Lb		In			
Cross-linker		Gal/Lb		In			
Clay Contol		Gal/Lb		In			
Clay Contol		Gal/Lb		In			
Buffer		Gal/Lb		In			
Buffer		Gal/Lb		In			
Buffer		Gal/Lb		In			
Foamer		Gal/Lb		In			
Catalyst		Gal/Lb		In			
Other		Gal/Lb		In			
Other		Gal/Lb		In			
Other		Gal/Lb		In			
Other		Gal/Lb		In			
Other		Gal/Lb		In			

Well Data

	New/Used	Weight	Size	From	To	Max. Allow
Casing		23.00	7.000	0	3,820	
Casing						
Liner						
Tbg. / D.P.		12.75	4.500	0	3,198	
Tbg. / D.P.						
Tbg. / D.P.						
Perforations						Shots/Ft.
Perforations				3238	3,566	
Perforations						
Perforations						
Perforations						
Perforations						
Perforations						
Perforations						

Hours On Location		Operating Hours		Description of Job
Date	Hours	Date	Hours	
	8.0		8.00	
Total	8.0	Total	8.00	

Job Leaders

MBU LDR.	
TEAM LDR.	Merrell, Brandon / 244956
ENG.	Merrell, Brandon / 244956

Treating Personnel

VAN	Merrell, Brandon / 244956
SAFTEY	
DRIVER	Merrell, Brandon / 244956

Hydraulic Horsepower

Ordered	Avail.	Used
500	500	5

Rates in BPM

Max. Rate	Avg. Rate
1.1	0.7

Summary

Pressures

Circulating		Displacement			
Breakdown	428	Maximum	428		
Average	300	Frac. Gradient	0.51		
Shut In: Instant	264	5 Min.	233	15 Min.	246

Volumes

Preflush:	Gal - BBl		Type:	
Load & Bkdn:	Gal - BBl		Pad:Bbl -Gal	
Treatment:	Gal - BBl		Disp:Bbl-Gal	
Total Volume	Gal - BBl	3,864	Gal	92.0 BBL

RECEIVED: Mar. 03, 2015

INSPECTION FORM:

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: UE 13-1 SWD API Number: 43-047-54256

Qtr/Qtr: SWSW Section: 13 Township: 4S Range: 1E

Company Name: Finley Resources, Inc.

Lease: State _____ Fee: Surface Federal _____ Indian _____

Inspector: Chris Jensen Date: 2/2/2015

Initial Conditions:

Tubing - Rate: 0 Pressure: 300 # psi

Casing/Tubing Annulus - Pressure: 10 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	1020	300
5	1020	300
10	1020	"
15	1020	"
20	1020	"
25	1020	"
30	1020	300 #

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 300 # psi

Casing/Tubing Annulus Pressure _____ psi

COMMENTS:

Witness CJ Jensen

Operator Representative

James A. Simonton 435-630-1023

Reset Form

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

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-4896

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER Injection

7. UNIT or CA AGREEMENT NAME: Ute

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

8. WELL NAME and NUMBER: Ute 13-1-4-1

2. NAME OF OPERATOR: Finley Resources, Inc

9. API NUMBER: 4304754256

3. ADDRESS OF OPERATOR: 1308 Lake Street CITY Fort Worth STATE TX ZIP 76102

PHONE NUMBER: (817) 231-8735

10 FIELD AND POOL, OR WILDCAT: Leland Bench

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1075 FSL , 1289 FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 1075 FSL , 1289 FWL
AT TOTAL DEPTH: 1075 FSL , 1289 FWL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 13 4S 1E

12. COUNTY: Uintah

13. STATE: UTAH

14. DATE SPUDDED: 12/21/2014

15. DATE T.D. REACHED: 12/25/2014

16. DATE COMPLETED: 1/26/2015 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5103 GL

18. TOTAL DEPTH: ~~MD~~ 3,830 TVD 3,830

19. PLUG BACK T.D.: MD 3,774 TVD 3,774

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

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

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
12 1/4	9 5/8 J55	36		424		G 260		0	
8 3/4	7 J55	23		3,818		10&14 (725		200	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2	3,198	3,177						

26. PRODUCING INTERVALS / **27. PERFORATION RECORD**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Birds Nest					3,238 3,566			Open ☑ Squeezed ☐
(B)								Open ☐ Squeezed ☐
(C)								Open ☐ Squeezed ☐
(D)								Open ☐ Squeezed ☐

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
3,238 - 3,566	No stimulation of perfs

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: P

(5/2000)

(CONTINUED ON BACK)

RECEIVED: Feb. 25, 2015

31. INITIAL PRODUCTION

INTERVAL A (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 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.)

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)
Green River	2,278			Green River	2,278
Birds Nest	3,222	3,589		Birds Nest	3,222
TD	3,830			TD	3,830

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) James Terry TITLE Field Operations Engineer

SIGNATURE _____ DATE 2/24/2015

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

(5/2000)

RECEIVED: Feb. 25, 2015

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H624896

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Water Disposal Well

8. WELL NAME and NUMBER: Ute 13-1 SWD

2. NAME OF OPERATOR:
FINLEY RESOURCES INC

9. API NUMBER: 43047542560000

3. ADDRESS OF OPERATOR:
PO Box 2200 , Fort Worth, TX, 76113

PHONE NUMBER: 817 231-8735 Ext

9. FIELD and POOL or WILDCAT: WINDY RIDGE

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1075 FSL 1289 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SWSW Section: 13 Township: 04.0S Range: 01.0E Meridian: U

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 3/25/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Initial Injection Report

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

Finley Resources, Inc. initiated initial injection on March 25, 2015 following UIC permit approval. Initial day rate was 1068 bbl/day at a pressure of 100 psi. Average initial rate (3/25/15 to 3/31/15) was 945 bbl/day with an average well head pressure of 130 psi.

Accepted by the Utah Division of Oil, Gas and Mining

Date: April 20, 2015

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Don Hamilton	435 650-3866	Permitting Agent (Star Point Enterprises, Inc.)
SIGNATURE		**DATE**
N/A		4/9/2015

RECEIVED: Apr. 09, 2015

Mark Reinbold <markreinbold@utah.gov>

Finley Ute 13-1 SWD - Initial Injection Report

10 messages

Star Point Enterprises, Inc. <starpoint@etv.net> Thu, Apr 9, 2015 at 6:41 AM
Reply-To: starpoint@etv.net
To: Mark Reinbold <markreinbold@utah.gov>
Cc: Clay O'Neil <Clay@finleyresources.com>, James Terry <JTerry@finleyresources.com>

43 047 54256
13 4S 1E

Mark;

Thank you for the reminder for this report. Attached please find the submitted initial injection report for the Ute 13-1 SWD submitted through the online system. Please let us know if you have any questions or require additional information.

Don

Ute 13-1 SWD - Initial Injection Report (submitted package).pdf
22K

Mark Reinbold <markreinbold@utah.gov> Mon, Apr 20, 2015 at 9:16 AM
To: "Star Point Enterprises, Inc." <starpoint@etv.net>

Don,

Thanks for the report. Sorry it has taken me awhile to reply. I was on a family vacation in Puerto Rico April 9-17, so I just got back to the office this morning.

I have a question regarding the daily injection rate, based on the injection pressure. Our engineer Dustin Doucet prepared a graphic representation of pressure vs. injection rate, based on Finley's Step Rate Test (see attachments). From that graph, it appears that an injection pressure of 100 psi would correspond to an injection rate of about 0.12 BPM. That rate calculates to about 173 bbls/day. I am curious as to how Finley could be injecting 1068 bbls/day at 100 psi. Could you please check on it and get back to me? Thank you.

[Quoted text hidden]

--

Mark L. Reinbold, Environmental Scientist
Utah Department of Natural Resources
Division of Oil, Gas & Mining
1594 W North Temple
PO Box 145801
Salt Lake City, UT 84114-5801
Phone 801-538-5333
Fax 801-539-3940

20150420085946.pdf
257K

Clay O'Neil <Clay@finleyresources.com> Mon, Apr 20, 2015 at 12:42 PM
To: "Mark Reinbold (markreinbold@utah.gov)" <markreinbold@utah.gov>
Cc: "starpoint@etv.net" <starpoint@etv.net>

Mark,

As per our conversation this morning, here is an e-mail response to your question. When Finley did the MIT, the well had just been perforated and more than likely some of the perfs were not fully opened, also, as more fluid is pumped in the well it is natural for the pressures to drop and rates go up. This is due to near wellbore skin damage from the drilling fluid used to drill the well, as well as pushing fluid further into the formation and connecting more permeable sections. We have also run 4 ½" tbg in the well, which allows us to move more fluid with less friction pressure. If you have any other questions, please let me know. Currently, we are moving 1500-2000 BWPD at 150-190# IP.

Thanks

Clay O'Neil

817-713-9514

From: Star Point Enterprises, Inc. [mailto:starpoint@etv.net]
Sent: Monday, April 20, 2015 10:43 AM
To: Clay O'Neil; James Terry
Subject: FW: Finley Ute 13-1 SWD - Initial Injection Report

Clay and James;

Need your help with the question below. I think the answer is that the well was not at steady state during the initial injection so it took some initial high-volume pumping to get the 100 psi but wanted your input before I responded to Mark.

Don

From: Mark Reinbold [mailto:markreinbold@utah.gov]
Sent: Monday, April 20, 2015 9:17 AM
To: Star Point Enterprises, Inc.
Subject: Re: Finley Ute 13-1 SWD - Initial Injection Report

[Quoted text hidden]

Mark Reinbold <markreinbold@utah.gov> Mon, Apr 20, 2015 at 1:33 PM
To: "Doucet, Dustin" <dustindoucet@utah.gov>

[Quoted text hidden]

Mark Reinbold <markreinbold@utah.gov> Wed, Aug 19, 2015 at 9:37 AM
To: Clay O'Neil <Clay@finleyresources.com>, "Doucet, Dustin" <dustindoucet@utah.gov>

Clay,

Some time ago we asked you to perform another Step Rate Test (SRT) in order to establish a reliable minimum fracture pressure and maximum allowable injection pressure, which is consistent with the observed injection rate. Please let us know when you schedule the SRT so we may send a DOGM witness. Thank you.
[Quoted text hidden]

Clay O'Neil <CO'Neil@finleyresources.com> Wed, Aug 19, 2015 at 11:40 AM
To: Mark Reinbold <markreinbold@utah.gov>
Cc: "Dustin Doucet (dustindoucet@utah.gov)" <dustindoucet@utah.gov>, "starpoint@etv.net" <starpoint@etv.net>

Mark,

I have looked through all of our email exchanges and I'm not coming up with anything where we were asked to perform another step rate test. Maybe what I had got deleted or is hidden with another email chain that I'm not finding. Could you forward me whatever you have where that discussion took place? I can't recall ever having to do that before, either, on other injection wells. If we did do this, depending on what the data showed, would we be able to get a higher MAIP than 300#?

Thanks

Clay

From: Mark Reinbold [mailto:markreinbold@utah.gov]
Sent: Wednesday, August 19, 2015 10:38 AM
To: Clay O'Neil; Doucet, Dustin

[Quoted text hidden]

[Quoted text hidden]

Mark Reinbold <markreinbold@utah.gov> Wed, Aug 19, 2015 at 11:49 AM
To: "Doucet, Dustin" <dustindoucet@utah.gov>

Dustin,

It is my understanding that you had a phone conversation with Clay, in which you requested the new SRT.
[Quoted text hidden]

Dustin Doucet <dustindoucet@utah.gov> Wed, Aug 19, 2015 at 2:11 PM
To: Clay O'Neil <CO'Neil@finleyresources.com>
Cc: Mark Reinbold <markreinbold@utah.gov>, "starpoint@etv.net" <starpoint@etv.net>

Clay,

I think it goes back to our conversation in April in regards to the existing SRT and new injection rates and pressures we were seeing at that time. This is somewhat detailed in the correspondence below. I believe in that conversation I stated that a new SRT would be required but I would leave that up to you and Mark to work out the details. I had suggested that if it is taking fluid essentially on vacuum that you may be able to get us enough data at different injection rates that we felt comfortable with the data and existing rates and pressures but you would have to talk with Mark on the details. I had a similar discussion with Mark, but sounds like we all kind of forgot about it. I think if you did do a new SRT and the data showed a higher pressure was warranted, that you could get a higher injection pressure.

Dustin
[Quoted text hidden]
--
Dustin K. Doucet
Petroleum Engineer
Division of Oil, Gas and Mining
1594 West North Temple, Ste 1210
Salt Lake City, Utah 84116
801.538.5281 (ofc)
801.359.3940 (fax)

web: www.ogm.utah.gov

Clay O'Neil <CO'Neil@finleyresources.com> Wed, Aug 19, 2015 at 2:26 PM
To: Dustin Doucet <dustindoucet@utah.gov>
Cc: "starpoint@etv.net" <starpoint@etv.net>, "Mark Reinbold (markreinbold@utah.gov)" <markreinbold@utah.gov>

Ok, thanks. My recollection of that conversation was that we could do another SRT if we wanted to see if we could get a higher MAIP, not that one would be required. I don't have notes to back that up, but, that was my understanding, that's why we haven't done another one. We are currently pumping 1500-1900 BPD at 280-290#, it has pretty much flat lined there. We can get another one done if that is what you want, just hate to have to spend any money right now. Looks like oil is headed down into the $30's this week. We are planning to drill about 40 wells if oil gets back up to $55(I might be retired before it does that) and would need some extra disposal volume at that time, which we might could get by doing another SRT and it shows we can go to a higher MAIP. Any chance we could wait until then to do that? The 13-1 SWD is handling all of our water needs where we are now. Let me know, we will do whatever you want done.

Thanks

Clay

From: Dustin Doucet [mailto:dustindoucet@utah.gov]
Sent: Wednesday, August 19, 2015 3:12 PM
To: Clay O'Neil
Cc: Mark Reinbold; starpoint@etv.net

[Quoted text hidden]

[Quoted text hidden]

Dustin Doucet <dustindoucet@utah.gov> Wed, Aug 19, 2015 at 2:49 PM
To: Clay O'Neil <CO'Neil@finleyresources.com>
Cc: "starpoint@etv.net" <starpoint@etv.net>, "Mark Reinbold (markreinbold@utah.gov)" <markreinbold@utah.gov>

Have you been increasing injection rates on the well? If so, what has the pressure been increasing or remaining relatively flat, all friction? Or has the well been gradually pressuring up at the same rate? Overall I think we are comfortable that at 300 psi, there is no chance of fracturing. The initial SRT really didn't mean anything. Another one may not give us any more data either, but would be more representative of the actual conditions. I think I would want to see what data you do have from injecting before deciding anything. Could you answer the questions above and provide me with some rates vs. pressures that you have seen during injection if they seem consistent or would tell us anything? Thanks.

[Quoted text hidden]

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H624896

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: Water Disposal Well

8. WELL NAME and NUMBER: Ute 13-1 SWD

2. NAME OF OPERATOR: FINLEY RESOURCES INC

9. API NUMBER: 43047542560000

3. ADDRESS OF OPERATOR: PO Box 2200 , Fort Worth, TX, 76113

PHONE NUMBER: 817 231-8735 Ext

9. FIELD and POOL or WILDCAT: WINDY RIDGE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1075 FSL 1289 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 13 Township: 04.0S Range: 01.0E Meridian: U

COUNTY: UINTAH

STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 3/25/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: Initial Injection Report

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

Finley Resources, Inc. initiated initial injection on March 25, 2015 following UIC permit approval. Initial day rate was 1068 bbl/day at a pressure of 100 psi. Average initial rate (3/25/15 to 3/31/15) was 945 bbl/day with an average well head pressure of 130 psi.

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Don Hamilton	435 650-3866	Permitting Agent (Star Point Enterprises, Inc.)
SIGNATURE N/A		**DATE** 4/9/2015

RECEIVED: Apr. 09, 2015

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL Water Disposal Well	**5.LEASE DESIGNATION AND SERIAL NUMBER:** 1420H624896
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
	7.UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: FINLEY RESOURCES INC	**8. WELL NAME and NUMBER:** Ute 13-1 SWD
	9. API NUMBER: 43047542560000
3. ADDRESS OF OPERATOR: PO Box 2200 , Fort Worth, TX, 76113 **PHONE NUMBER:** 817 231-8735 Ext	**9. FIELD and POOL or WILDCAT:** WINDY RIDGE
4. LOCATION OF WELL **FOOTAGES AT SURFACE:** 1075 FSL 1289 FWL **QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:** Qtr/Qtr: SWSW Section: 13 Township: 04.0S Range: 01.0E Meridian: U	**COUNTY:** UINTAH **STATE:** UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ SUBSEQUENT REPORT Date of Work Completion: 3/25/2015	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Initial Injection Report

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

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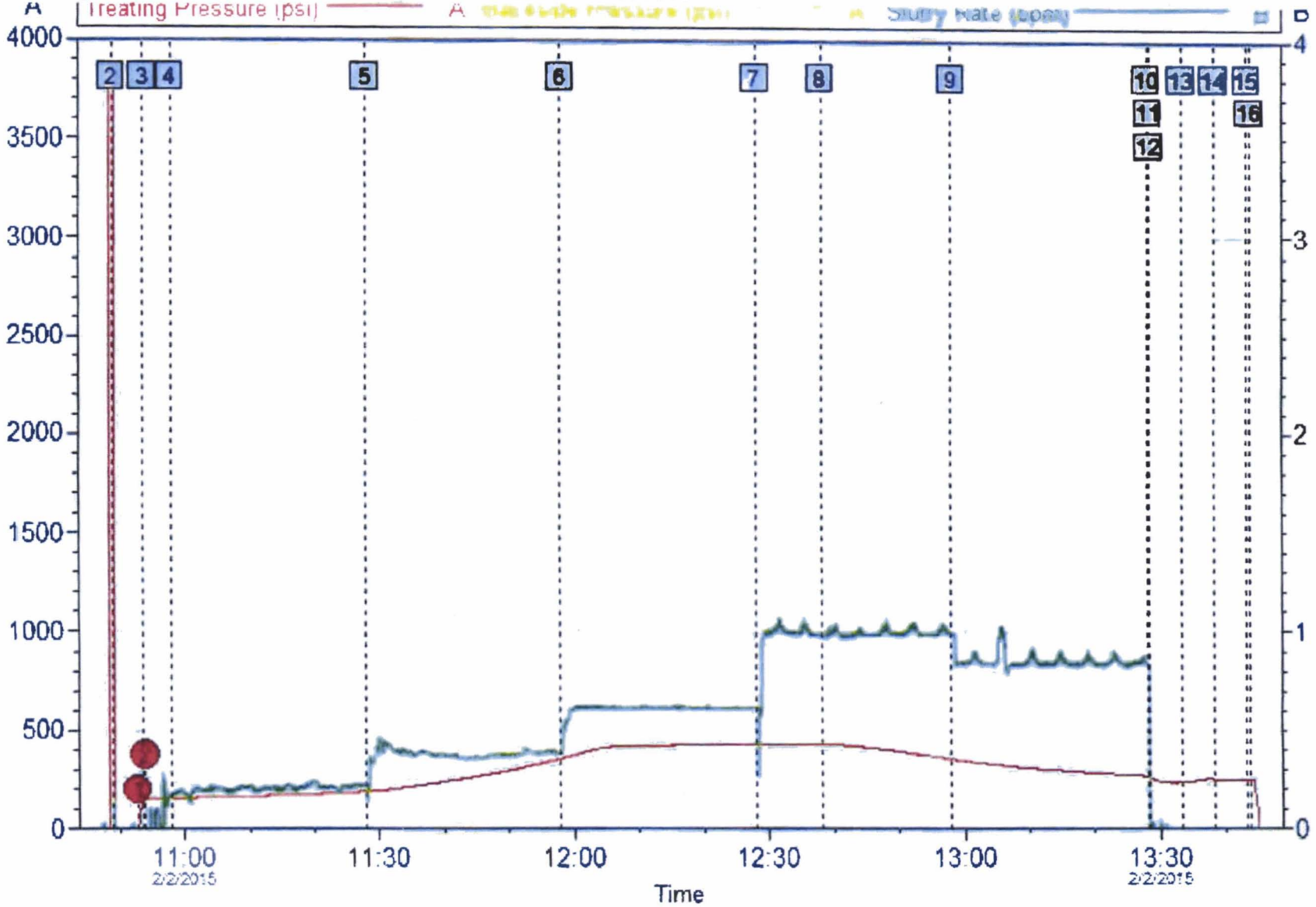
NAME (PLEASE PRINT) Don Hamilton	**PHONE NUMBER** 435 650-3866	**TITLE** Permitting Agent (Star Point Enterprises, Inc.)
SIGNATURE N/A		**DATE** 4/9/2015

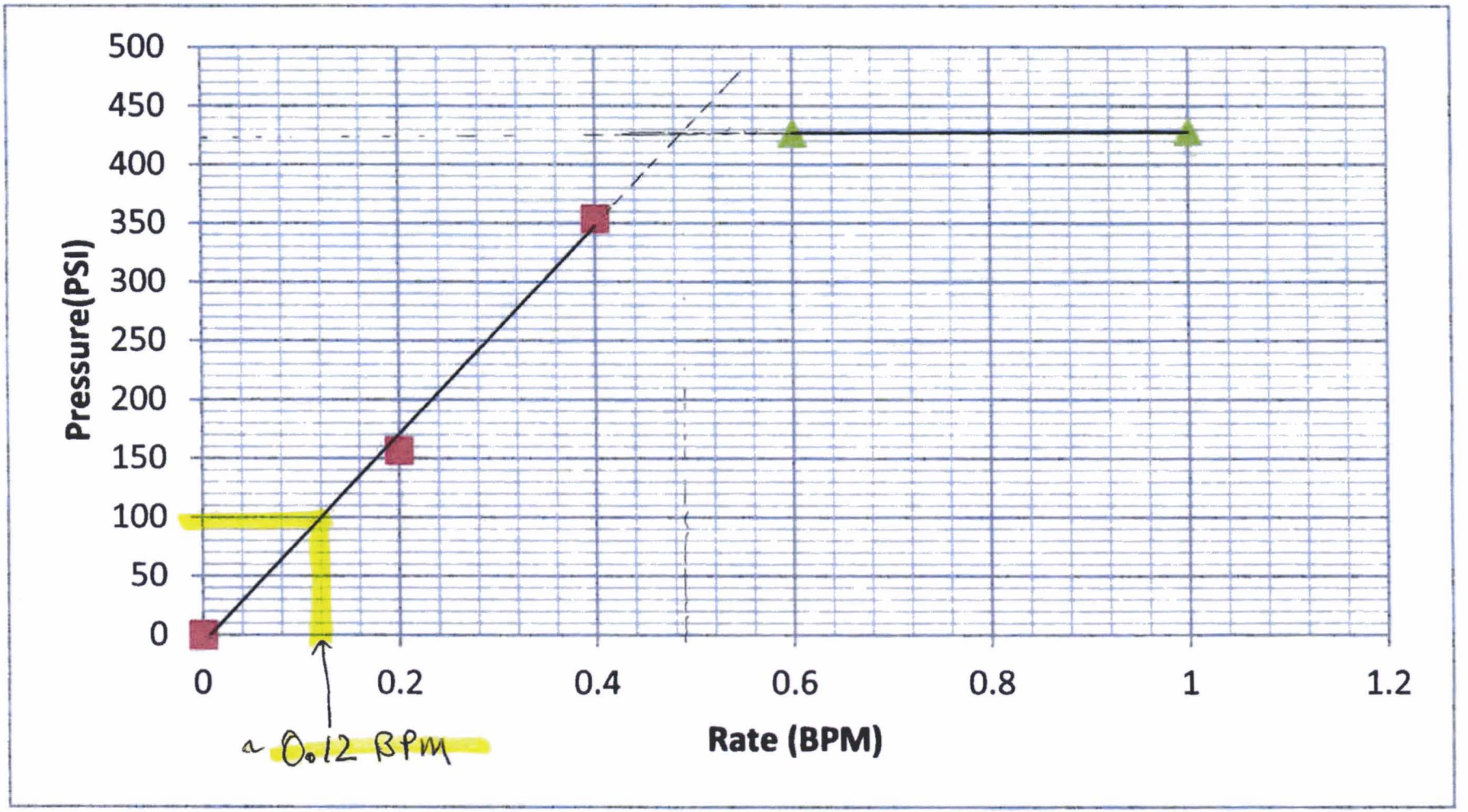
RECEIVED: Apr. 09, 2015



Customer: FINLEY RESOURCES INC - EBUS	Job Date: 02-Feb-2015	Sales Order #: 0902095959
Well Description: Ute 13-1 -4-1 SWD	UWI:	

NSTE for Stimulation v4.5.1
02-Feb-15 16:21

RECEIVED: Mar. 03, 2015



Initial injection pressure = 100 psi

Expected injection rate = @ 0.12 BPM

$\frac{0.12 \text{ bbls}}{\text{min}} \times \frac{1440 \text{ min}}{\text{day}} \approx 173 \text{ bbls/day}$ @ 100 psi

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

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-431

Operator: Finley Resources, Inc.

Well: Ute 13-1 SWD

Location: Section 13, Township 4 South, Range 1 East, USM

County: Uintah

API No.: 43-047-54256

Well Type: Salt Water Disposal Well

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on March 19, 2015.
2. Maximum Allowable Injection Pressure: 300 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Birds Nest zone, Green River Formation (3,228' – 3,566')
5. A Monthly Injection Report shall be filed as required by R649-8-20, UIC Form 3.
6. A pressure gauge shall be installed to measure pressure in the casing-tubing annulus. This pressure is to be monitored and reported on the Monthly Injection Report.

Approved by: _____ 3-24-2015
John Rogers
Associate Director
Date

JR/MLR/js
cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Ute Indian Tribe
Star Point Enterprises, Inc.
Uintah County
Well File
N:\O&G Permits\Injection Permits

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

March 19, 2015

Finley Resources, Inc.
1308 Lake Street
Fort Worth, TX 76113

Subject: Windy Ridge Well: Ute 13-1 SWD, Section 13, Township 4 South, Range 1 East, USM, Uintah County, Utah, API Well # 43-047-54256

Finley Resources, Inc.:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.

2. Conformance with all conditions and requirements of the complete application submitted by Finley Resources, Inc.

3. A casing\tubing pressure test shall be conducted prior to commencing injection.

4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

5. The top of the injection interval shall be limited to a depth no higher than 3,228 feet in the Ute 13-1 SWD well.

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers
Associate Director

JR/MLR/js
cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Ute Indian Tribe
Star Point Enterprises, Inc.
Uintah County
Well File
N:\O&G Permits\Injection Permits

1594 West North Temple, Suite 1210, Salt Lake City, UT 84116
PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

UIC INJECTION PERMIT APPLICATION ANALYSIS FORM
WELL NAME: Ute 13-1 SWD, Sec 13-T4S, R1E, UBB&M, Windy Ridge Field, API #: 43-0047-54256

R649-5-2. Requirements For Class II Injection Wells Including Water Disposal, Storage And Enhanced Recovery Wells.	**Completed Items, Needed Items, & Comments**
1. Injection wells shall be completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.	1. OK
2. The application for an injection well shall include a properly completed UIC Form 1 and the following:	2. OK
2.1. A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well.	2.1 OK, five producing oil wells located within one-half mile radius of proposed injection well.
2.2. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity.	2.2 OK
2.3. A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.	2.3 CBL rec'd via e-mail 2/16/2015.
2.4. Copies of logs already on file with the division should be referenced, but need not be refiled.	2.4 OK
2.5. A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.	2.5 OK
2.6. A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.	2.6 OK, produced water, est. max. 5000 BOPD, limited by injection rate.
2.7. Standard laboratory analyses of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is being injected, and (3) the compatibility of the fluids.	2.7 (1) Analyses of proposed injection fluids submitted with application. (2) Water sample taken from injection interval during completion and submitted to DOGM. (3) The water sample taken from injection interval during completion was of dubious quality, but another nearby Birds Nest sample verifies poor quality of the water in the aquifer, indicating that proposed injection fluids will not degrade the aquifer.
2.8. The proposed average and maximum injection pressures.	2.8 EPA max rate 300 psi. Step-Rate-Test (SRT) suggests max rate at 425 psi (breakover point).
2.9. Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata.	2.9 SRT was performed during completion to determine fracture parting pressure through the proposed injection interval of Birds Nest zone in Green River Formation. Finley will abide by EPA max rate of 300 psi, thus assuring no fracturing.
2.10. Appropriate geological data on the injection interval and confining beds, and nearby Underground Sources of Drinking Water, including the geologic name, lithologic description, thickness, depth, water quality, and lateral extent; also information relative to geologic structure near the proposed well which may affect the conveyance and/or storage of the injected fluids.	2.10 OK
2.11. A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals.	2.11 Five producing oil wells within the half-mile radius Area of Review. Wellbore diagrams and CBLs indicate adequate casing and cement.
2.12. An affidavit certifying that a copy of the application has been provided to all operators, owners and surface owners within a one-half mile radius of the proposed injection well.	2.12 OK, included with application.
2.13. Any other additional information that the board or division may determine is necessary to adequately review the application.	2.13 OK

Reviewed by: Mark Reinbold Date: March 17, 2015

Star Point
Enterprises, Inc.

2580 Creekview Road
Moab, Utah 84532
435/650-3866

Revised edition

RECEIVED
MAR 19 2015
DIV. OF OIL, GAS & MINING

February 13, 2015

Brad Hill – Oil & Gas Permitting Manager
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Application for Class II Injection Well – Ute 13-1 SWD – Finley Resources, Inc.

Dear Mr. Hill;

On behalf of Finley Resources, Inc., Star Point Enterprises, Inc. respectfully submits the attached Application for Injection Well (UIC Form 1) with supplemental information for conversion of the existing Ute 13-1 SWD to an Underground Injection Control Class II Injection Well. The Ute 13-1 SWD was recently drilled and is presently completed and capable of water disposal with expedited review and processing of this application requested. Following approval the well would be utilized exclusively for the purpose of subsurface injection of water from Finley Resources, Inc. (Finley) operations in the Uintah Basin with no commercial use proposed.

Thank you very much for your previous approval of our application. Please feel free to contact Clay O'Neil at clay@finleyresources.com or 817-713-9514 myself at starpoint@etv.net or 435-650-3866 should you have any questions or need additional information.

Sincerely,

Don Hamilton

Digitally signed by Don Hamilton
DN: cn=Don Hamilton, o=Star Point Enterprises, Inc., ou, email=starpoint@etv.net, c=US
Date: 2015.03.19 09:34:56 -06'00'

Don Hamilton, Permitting Agent

cc: Clay O'Neil, Finley Resources, Inc.
April Wilkerson, Finley Resources, Inc.

Revised editim

RECEIVED

MAR 19 2015

DIV. OF OIL, GAS & MINING

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

UIC FORM 1

APPLICATION FOR INJECTION WELL

Name of Operator	Utah Account Number	Well Name and Number
Finley Resources, Inc.	N 3460	Ute 13-1 SWD
Address of Operator	**Phone Number**	**API Number**
P.O. Box 2200 CITY Ft. Worth STATE TX ZIP 76113	(817) 231-8735	4304754256
Location of Well		**Field or Unit Name**
Footage : 1075 FSL 1289 FWL County : Uintah		Windy Ridge
QQ, Section, Township, Range: SWSW 13 4S 1E State : UTAH		**Lease Designation and Number** 1420H624896

Is this application for expansion of an existing project?		Yes ☐	No ☑
Will the proposed well be used for:	Enhanced Recovery?	Yes ☐	No ☑
	Disposal?	Yes ☑	No ☐
	Storage?	Yes ☐	No ☑
Is this application for a new well to be drilled?		Yes ☐	No ☑
If this application is for an existing well, has a casing test been performed?		Yes ☑	No ☐

Date of test: 2/2/2015

Proposed injection interval: from 3,228 to 3,566

Proposed maximum injection: rate 5,000 bpd pressure 300 psig

Proposed injection zone contains oil ☐, gas ☐, and / or fresh water ☐ within ½ mile of the well.

List of attachments: (see attached report with detailed attachment list)

ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT UTAH OIL AND GAS CONSERVATION GENERAL RULES

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Don Hamilton Title Permitting Agent

Signature Don Hamilton Digitally signed by Don Hamilton DN: cn=Don Hamilton, o=Star Point Enterprises, Inc., ou, email=starpoint@etv.net, c=US Date: 2015.03.19 09:34:45 -06'00' Date 2/13/2015

(5/2002)

UNDERGROUND INJECTION CONTROL PERMIT APPLICATION

UIC CLASS II INJECTION WELL

FINLEY resources
ACQUIRE » DEVELOP » SUCCEED

UTE 13-1 SWD
SWSW, SEC. 13, T4S, R1E, USB&M
Uintah County, Utah
API # 43-047-54256
Lease # 1420H624896

Prepared for:

Brad Hill – Oil & Gas Permitting Manager
Division of Oil, Gas and Mining
1594 West North Temple
Salt Lake City, Utah 84116

February 13, 2015
(revised March 19, 2015)

Ute Tribal 13-1 SWD
SWSW, Sec. 13, T4S, R1E, USB&M
Uintah County, Utah

LIST OF FIGURES

EXECUTIVE SUMMARY

The proposed Ute 13-1 SWD well is located in the SW/4 SW/4 (1,075 feet FSL and 1,289 feet FWL), of Section 13, Township 4 South, Range 1 East, in Uintah County, Utah. The well will be an Underground Injection Control (UIC) Class II injection well used exclusively for the purpose of subsurface injection of water from Finley Resources, Inc. (Finley) operations in the Uintah Basin. The permit to drill application for the Ute 13-1 SWD well was approved by the Utah Division of Oil, Gas and Mining (UDOGM) on March 5, 2014. The well was subsequently spud on December 12, 2014 and completed as an injection well on January 26, 2015.

The Ute 13-1 SWD has been drilled to a total depth of 3,830 feet below the ground surface (bgs) with a plug back total depth (pbtd) of 3,774 feet. The well has been perforated in the Green River Formation Birds Nest Aquifer with an isolation packer set above the aquifer at 3,177 feet.

The UDOGM database indicates there are five wells located within the one-half mile radius Area of Review (AOR) for the proposed Ute 13-1 SWD. A cement bond log (CBL) has been completed to verify there is an 80% or better bond across the proposed injection intervals and the upper and lower confining layers. Required logs have been run across the proposed injection zones to demonstrate well suitability, establish the true maximum allowable injection pressure, and verify zone isolation.

Regional geologic and hydrologic studies reflect the Green River Formation is designated as moderately saline groundwater. Samples have been collected and analyzed from the proposed injection interval to confirm the zones within the Green River Formation are not considered an underground source of drinking water (USDW). It is anticipated that the targeted Green River interval has sufficient storage capacity at the Ute 13-1 SWD area to accept all anticipated injected volumes.

The well will be used to inject approved Class II wastes brought to the surface including but not limited to drilling fluids, spent well completion fluids and treatment and stimulation fluids. The well will not be utilized for commercial brine or other fluid disposal operations. Injected fluids will be limited to fluids produced in connection with oil and gas production in the Uintah Basin by Finley.

UIC WELL APPLICATION
UTE 13-1 SWD
API 43047542560000

The following document contains information provided in support of the application for new construction of the Ute 13-1 SWD to be utilized as a Class II injection well.

The Ute 13-1 injection well has been constructed following State of Utah approval. Finley plans to utilize the Ute 13-1 SWD well as an injection well for disposal of produced fluids from Finley wells operated in the Uintah Basin. The well has been perforated to inject into the Birds Nest Aquifer (located at depth ranging from 3,238 to 3,566 feet bgs) with an isolation packer installed at 3,177 feet.

The Ute 13-1 SWD well falls within the Indian Country boundary but the EPA has previously been notified and determined that the UIC application, review and approval would fall under the direction of the UDOGM.

Finley's business address and phone number is provided below:

Finley Resources Inc.
1308 Lake Street Fort Worth, Texas 76113
817.336.1924

AREA OF REVIEW

Enclosed as **Figure A1** is a map reflecting the area surrounding the proposed Ute 13-1 SWD well. The legal location for the Ute 13-1 SWD well is 1,075' FSL & 1,289' FWL, SWSW, Section 13, T4S, R1E, USB&M, Uintah County, Utah. This map includes a one-half mile radius Area of Review (AOR) centered on the proposed Ute 13-1 SWD well. Finley is required to investigate all wells for mechanical integrity within the AOR. There are five wells located within the AOR that are operated by Finley (Ute 13-11A-4-1, Ute 13-12A-4-1, Ute 13-13A-4-1, Ute 13-14A-4-1 and Ute 13-15A-4-1). All five wells have recently been drilled and completed. Refer to **Table A-1** for details of the wells located within the AOR.

Table A-1: AOR Well Details

Well Details			*Surface Casing*			*Production Casing*		
Well	Well Status	Distance from Injector (feet)	Size (inches)	Depth (feet)	Cement Top	Size (inches)	Depth (feet)	Estimated Cement Top (feet)
Ute 13-1 SWD	Completed SWD	0	9 5/8	424	Surface	7	3,818	Surface
Ute 13-10A-4-1	Producing Oil	1613	8 5/8	505	Surface	5 1/2	7,730	270
Ute 13-11A-4-1	Producing Oil	1613	8 5/8	505	Surface	5 1/2	7,663	230
Ute 13-12A-4-1	Producing Oil	1541	8 5/8	502	Surface	5 1/2	7,775	270
Ute 13-13A-4-1	Producing Oil	1056	8 5/8	502	Surface	5 1/2	7,654	180
Ute 13-14A-4-1	Producing Oil	1162	8 5/8	502	Surface	5 1/2	7,654	270
Ute 13-15A-4-1	Producing Oil	2417	8 5/8	502	Surface	5 1/2	7,618	200

Figure A-2 identifies surface ownership and the lease operator of those lands within a one-half mile radius of the Ute 13-1 SWD, the owners thereof, which must be provided notice of this application. Below is a listing of the names and addresses of all owners of record of land within a one-half mile radius of the proposed Ute 13-1 SWD injection well. The Ute Tribe (910 South 7500 East, Fort Duchesne, UT 84026) owns the mineral rights within one-half mile of the proposed injection well. Also included as **Figure A-3** is the Affidavit of Mailing.

Table A-2: List of Surface Owners within the AOR

Sections 13 & 14 (all)
Uintah Partners LLC
C/O Troy Dana
2825 E Cottonwood Parkway, #555
Salt Lake City, Utah 84121

Section 23 (N/2), 24 (all)
Salradus LLC
C/O Bonnie Coleman, Managing Member
362 N. Main Street
Heber City, Utah 84032

Coleman Mountain Holdings, LLC
C/O Mary Jo Coleman
3940E Hidden Springs Drive
Washington, Utah 84780

Coleman Family Trust, dated June 7, 1991
C/O Joseph N. Coleman, Trustee
393 East Center
Heber City, Utah 84032

Coleman Family Trust, dated June 28, 1991
C/O Leila Coleman, Trustee
950 South 400 East #104
St. George, Utah 84770

WELL DATA

The **Ute 13-1 SWD** well has been drilled and completed as an injection well within the Birds Nest aquifer of the Green River Formation. The proposed injection zone is located from 3,238 feet to 3,566 feet bgs. Finley proposes to utilize the Ute 13-1 SWD well for disposal of produced water from wells that Finley has working interest or operated wells located in Uintah County. **Figure B1** reflects a completed well bore diagram for the Ute 13-1 SWD well. Gamma ray and other open-hole logs, as well as, a cement bond log for the proposed injection well have previously been submitted to the UDOGM. The existing five oil production wells within a one-half mile radius of the proposed injection well have been reviewed in detail for mechanical integrity with no corrective actions identified. Copies of all regulatory filings regarding activities related to the physical state of these wells can be accessed at the Utah Division of Oil, Gas and Mining (UDOGM) online information system website.

NAME AND DEPTHS OF USDW's

A map of the Base of Moderately Saline Water (BMSW) (Plate1: BMSW Elevation Contour Map, Uinta Basin, Utah [DNR, 2012][1], shows the elevation to the BMSW (3,000 to 10,000 mg/L TDS] to be approximately 4,200 feet above mean sea level (amsl) at the location of the proposed UIC well. The surveyed ground elevation (ungraded) at Ute 13-1 SWD is 5,103 feet amsl. Based on Plate 1 and the surveyed ground elevation; the BMSW occurs at a depth of approximately 903 feet at the proposed Ute 13-1 SWD location. The top of the uppermost proposed injection interval is approximately 2,330 feet below the approximate BMSW depth. **Figure C1** contains a figure which shows the location of the injection well on Plate 1.

A search of Division of Water Rights records shows one water right within a 10,000 foot radius of the Ute 13-1 SWD well location. **Figure C2** shows the closest known potential Underground Source of Drinking Water (USDW) to the proposed UIC well at approximately 1.6 miles to the south. Division of Water Rights records indicates the closet well (ID: 43-10596) was drilled to a depth of 2,000 feet below the ground surface. The well is located very near the existing Finley 26-1 SWI well. A note in the Division files indicates a cap was welded on top of the casing while the owner (Synder Oil) decided if they wanted to complete the well. The regional and district Division offices were contacted inquiring additional information for this well. In both cases, no additional information from what is stated on the Division database was obtained.

GEOLOGY OF INJECTION AND CONFINING ZONES

The injection and confining intervals for the AOR are listed in the following table and are gross geologic intervals:

Table D-1 Estimated Tops of Important Geologic Markers

Formation	Depth in feet
Uinta	0 to 2,264
Base of Moderately Saline GW	903
Green River	2,264
Top Bird's Nest	3,222
Base Bird's Nest	3,589
TD	**3,830**
Mahogany Bench	3,885

[1] Moderately Saline Groundwater in the Uinta Basin, Utah: Special Study 144, Utah Geological Survey, Division of Utah Department of Natural Resources, 2012.

General Geology

Uinta Formation: Estimated surface to 2,264' in the Ute 13-1 SWD area.

The Uinta Formation overlies the Green River Formation. The Uinta consists mostly of alluvial plain sediments deposited after Lake Uinta and the Uinta Basin began to fill with sediments derived from surrounding uplands. Uinta sediments consist mostly of interbedded brown mudstones and siltstones with some interbedded light tan very fine grained fluvial sandstones. At the location of the Ute 13-1 SWD well, the Uinta Formation is approximately 2,270 feet thick and is present at the surface just below the Quaternary/Holocene surficial deposits.

Green River Formation: Estimated 2,264' to 7,000' in the Ute 13-1 SWD area.

The Green River Formation (Eocene) is a complex mixture of clastics, carbonates and organic rich mudstones deposited in an alluvial to lacustrine depositional system. The Green River interfingers with both the overlying Uinta and underlying Wasatch Formations. The Green River Formation is subdivided into upper and lower members, which in ascending order are: Douglas Creek Member and Parachute Creek Member.

The Douglas Creek Member consists of alternating beds of light gray, fine grained calcareous sandstone, limestone, dolomite, and gray-brown brittle shale as well as organic rich black shale. The Parachute Creek Member directly overlies the Douglas Creek Member and is overlain by the Uinta Formation. The Parachute Creek Member was deposited as a complex sequence of lacustrine and marginal lacustrine sediments consisting of laminated carbonate mudstones interbedded with light gray-brown shale, siltstones, and sandstones. The most organic rich shales, including the Mahogany Oil Shale Zone, are located within the Parachute Creek Member with the top of the Mahogany zone estimated to be 3,890 feet bgs in the area of the Ute 13-1 SWD. The Bird's Nest Aquifer was deposited near the top of the Green River Formation within the Parachute Creek Member. The Bird's Nest was deposited in the deeper part of Lake Uinta as the lake dried and became a restricted evaporitic basin. Sediments of the Bird's Nest are characterized as very fine-grained siltstones and mudstones interbedded with dark brown, laminated organic-rich carbonate mudstones and evaporate beds. The lake waters became concentrated with salts, primarily sodium bicarbonate, during this regressive phase. An important characteristic of the Bird's Nest is that large numbers of post depositional nahcolite crystals grew in the Bird's Nest sediments. Nahcolite crystals with diameters of one foot have been reported. Later dissolution of the nahcolite crystals and beds resulted in high-permeability vugular porosities.

Upper Confining Layer:

The upper confining zone is composed of very fine grained organic lean oil shale and lacustrine marlstone in the Parachute Creek member of the Green River formation. The gross thickness of the upper confining zone averages between 275 and 300 feet. The average thickness of the upper confining zone in the area of the proposed Ute Tribal 13-1 SWD is 285 feet.

Injection Zone:

The proposed injection zones are between 3,238 to 3,566 feet located in the Birds Nest zone of the Parachute Creek Member of the Green River formation. These intervals are composed of porous and permeable carbonate oil shale with large vugular porosity connected through an extensive fracture network. The combined thickness of the proposed injection zones is 328 feet.

Lower Confining Layer:

The lower confining zone is composed of very fine grained organic lean oil shale and lacustrine marlstone in the Parachute Creek member of the Green River formation. The gross thickness of the lower confining zone averages between 300 and 350 feet. The average thickness of the lower confining zone in the area of the proposed Ute Tribal 13-1 SWD is 330 feet.

Figure D1 is a cross-section of wells in the AOR showing the correlation of the upper confining zone, injection zone and lower confining zone. **Figure D2** is a structure map for the top of the lower confining zone.

OPERATING DATA

The daily volumetric disposal for the Ute Tribal 13-1 injection well will vary depending upon water production rates from producing wells in the vicinity. Finley anticipates a maximum injection volume of 5,000 barrels of water per day (BWPD). Injection rate will be constrained by the maximum allowable injection pressure (MAIP) at the surface. The EPA has established a set injection pressure for all Birds Nest Aquifer disposal wells. Injection pressure of 300 pounds per square inch (psi) is equivalent to a formation fracture gradient of 0.62 psi per foot (psi/ft). This established fracture gradient is lower than known fracture pressures in the Uinta basin to ensure that 300 psi injection will not cause fractures in the Birds Nest.

STIMULATION PROCEDURES

No stimulation is planned for this project.

INJECTION PROCEDURES

Injection fluids are planned to be trucked or piped to the site for disposal. The injected fluid will consist of produced water from the Uintah Basin wells operated by Finley. No fluid of any type from outside-operated wells will be injected. **Figure G1** is a list of current wells with water composition that will utilize the injection well. Finley reserves the right to add wells as they are drilled and completed within the project area.

Figure G2 contains water analysis reports for produced water collected from the Ute Tribal 13-08A, Ute Tribal 13-11A-4-1 wells. These analyses represent typical water which will be injected. The average TDS concentration of the two wells is 49,359.17 mg/l. The details and results for the injection formation samples and injection water

samples are summarized in **Table G-1**.

Table G-1: Summary of TDS Concentrations Analyzed

Well Name	Sample Date	Sample Site	TDS (mg/l)
Ute 13-1 SWD	1/28/2015	Well	177,851.53
Ute Tribal 13-08A	3/29/2013	Well	51,321.78
Ute Tribal 13-11A-4-1	3/11/2013	Treater	47,396.56

Figure G3 reflects formation water analysis and a compatibility report with the injection fluids summarized in **Table G-1** above. Finley is requesting maximum injection rate of 5,000 BWPD based on the attached **Figure G4** reflecting a step rate test completed on the injection interval; however, the actual injection rate will be established based on the MAIP at the surface. Injection will not begin until corrective action has been taken and the regulatory agencies have issued authorization to inject.

Finley plans to install monitoring equipment, as required by the DOGM. At a minimum, the well will be installed with pressure gauges, calibrated at all times to industry standards and manufacturer's specifications, on the tubing and on the casing-tubing annulus. If any non-compliant situation is found, the well will be immediately shut-in and regulatory agencies notified. Injection will not resume until corrective action has been taken and the regulatory agencies have issued authorization to inject.

PLUGGING AND ABANDONMENT PLAN

The Plugging & Abandonment (P&A) procedure for the Ute 13-1 SWD well will be conducted in accordance with UDOGM guideline requirements. **Figure H1** includes:

- P&A Procedure
- Schematic of proposed P&A plan

FINANCIAL RESPONSIBILITY DEMONSTRATION

Finley is required to maintain financial responsibility and resources to close, plug and abandon the underground injection operation in a manner prescribed by the UDOGM. The permittee has shown evidence of such financial responsibility to the UDOGM by the submission of a surety bond acceptable to the UDOGM.

AQUIFER EXEMPTION

An aquifer exemption is not expected at the proposed Ute 13-1 SWD well. The average concentration of TDS for injected water is 49,360 mg/L with injection formation concentration at 177,851.53 mg/L. The Ute 13-1 SWD is located approximately 1.6 miles from the closest known potential USDW.

EXISTING UIC AUTHORIZATIONS

Finley has two EPA issued permits

Ute Tribe 26-1 SWI
UIC Permit UT2780-04280
Uintah County, Utah

Ute Tribal 22-2 SWI
UIC Permit UT22266-29945
Uintah County, Utah

Figure A1 Area Map with Topography, Wells and Surface Ownership Shading

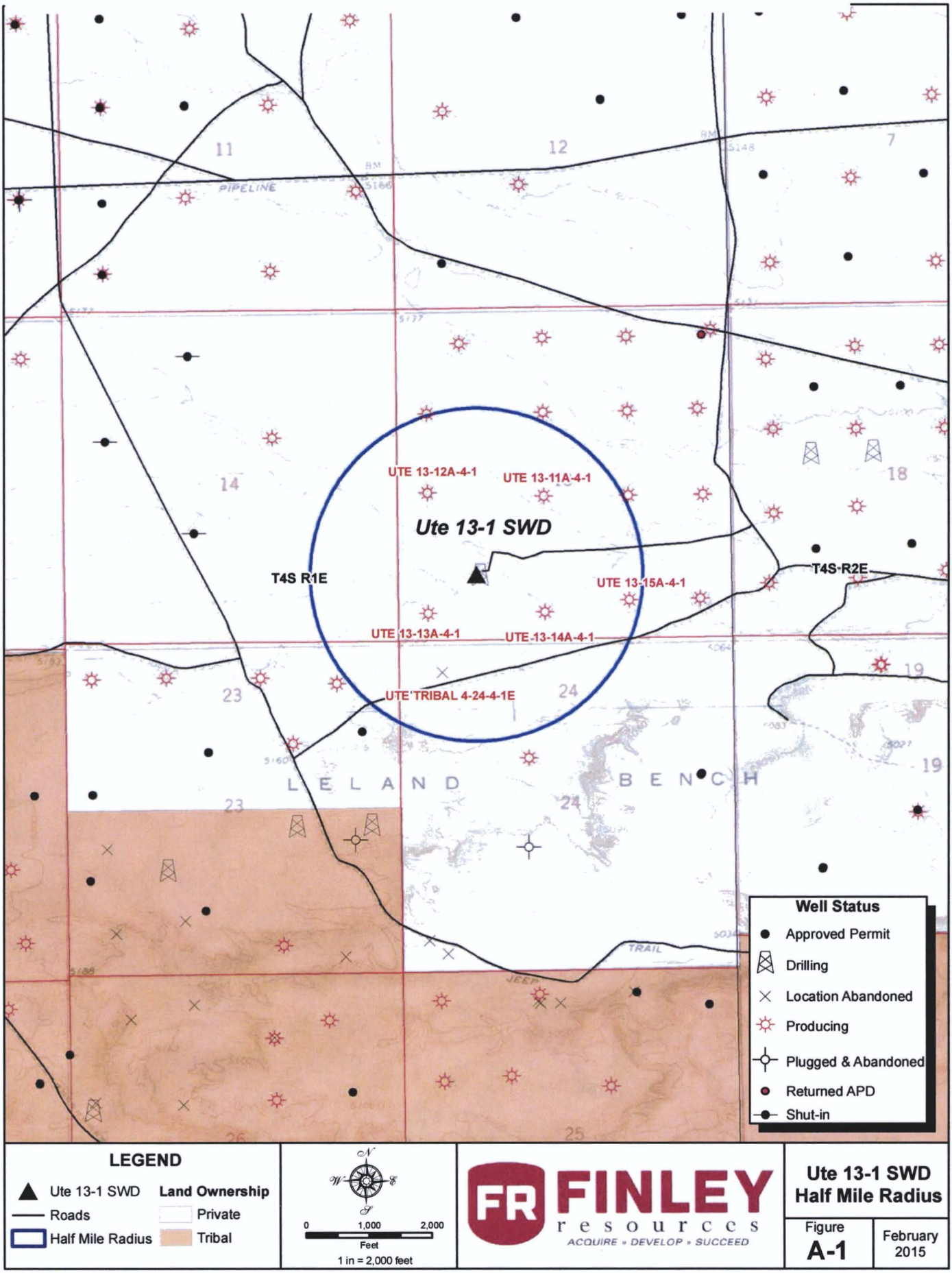


Figure A2 Area Map with Land Ownership and Lease Operators

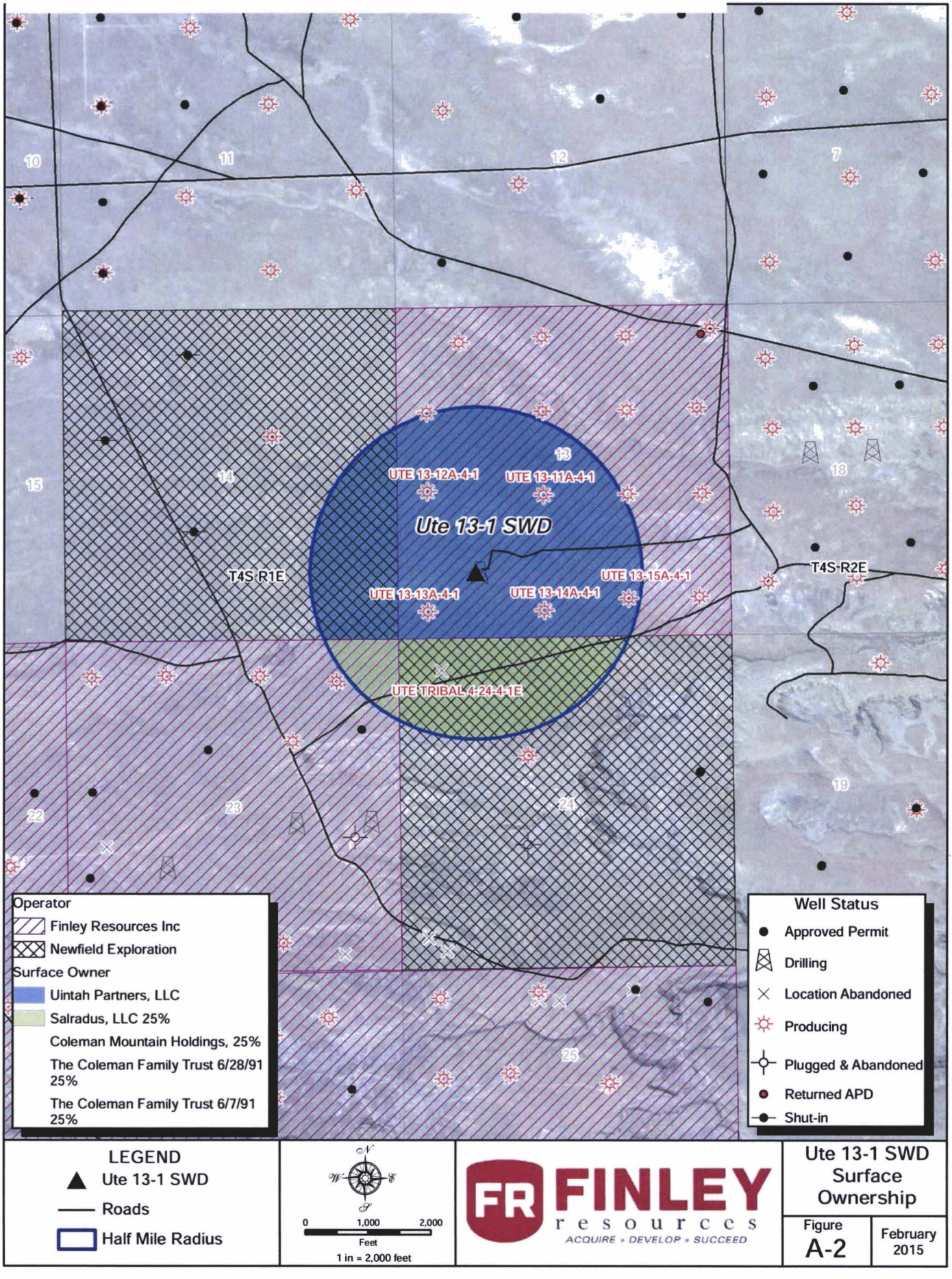


Figure A3 Affidavit of Mailing

AFFIDAVIT OF MAILING

Finley Resources Inc, 1308 Lake Street, Fort Worth, Texas 76113 has identified all of the operators, owners, and surface owners within a one-half mile radius of the proposed injection well.

I, Anthony Actis, Professional, Kleinfelder, Inc., being first duly sworn, depose and state as follows; On May 20, 2014 I caused to be mailed by certified mail, postage prepaid, return receipt requested, an affidavit certifying that a copy of the application has been provided to all operators, owners, and surface owners within a one-quarter mile radius of the proposed injection well

Dated this 20th day of May, 2014

Anthony Actis
Professional
Kleinfelder, Inc.

The forgoing affidavit was subscribed and sworn to before me by Brad A. Woodard.
This 20th day of May, 2014

LISA L MOONEYHAM
Notary Public
State of Colorado
My Commission Expires May 09, 2016

Colorado, Notary Public

Figure B1 Ute 13-1 SWD Well Bore Diagram

Ute 13-1 SWD

Spud Date: 12-21-14
Completion Date: 01-26-15

GL: 5103' KB: 5116'

SURFACE CASING

CSG SIZE: 9-5/8"

GRADE: J-55

WEIGHT: 36#

LENGTH: 10 jts. (424'')

DEPTH LANDED: 424'

HOLE SIZE: 12-1/4"

CEMENT DATA: 260 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 7"

GRADE: J-55

WEIGHT: 23.0#

LENGTH: 90 jts.(3820') (shoe set at 3818'); (FC @ 3774') KB Depths

HOLE SIZE: 8-3/4"

TOTAL DEPTH: 3830'

CEMENT DATA: 100 sxs 10.0 ppg lead and 625 sxs 14.0 ppg tail

CEMENT TOP AT: 200' per CBL 01/06/14

TUBING (01-23-2014)

SIZE/GRADE/WT.: 4-1/2" / J-55-N-80 12.75#

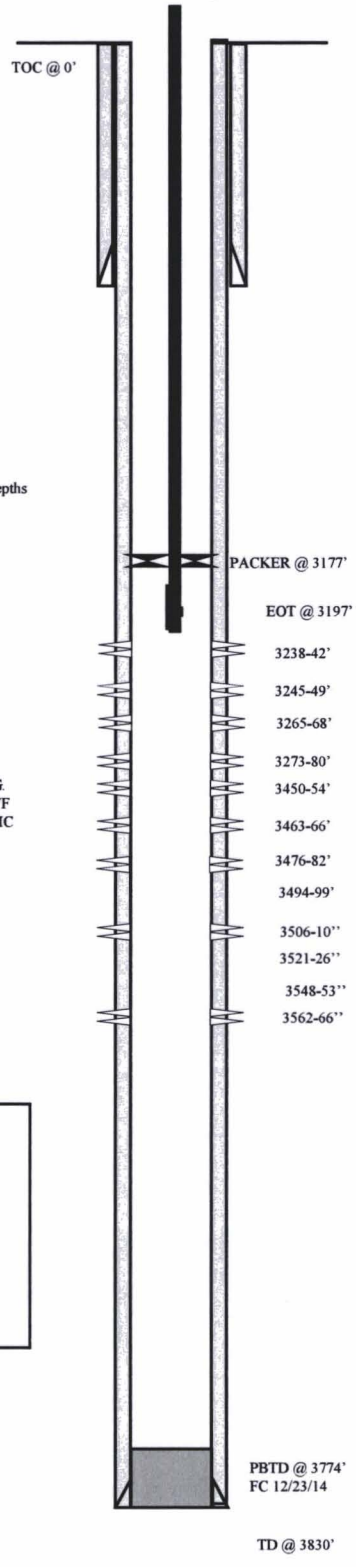
NO. OF JOINTS: 99 jts (3161.05')

TUBING PACKER: SET AT 3177.47' KB

TUBING DETAIL: TOP TO BOTTOM: KB=(13.0'); HANGER (0.50'); 11 JTS.4-1/2" TBG.-N-80 (357.13'); 88 JTS.OF 4-1/2" TBG. J-55 (2803.92'); 4-1/2"X3-1/2" X-OVER (0.96'); 7"X3-1/2" ON-OFF TOOL WITH 2.81" PROFILE (1.96'); 7"X3-1/2" DHL HYDRAULIC PACKER (6.32'); 3-1/2" N-80 PUP JT.(6.30'); 2.81" XN NIPPLE (1.0'); 3-1/2 N-80 PUP JT.(6.30'); 3-1/2" PUMP OUT PLUG/RE-ENTRY GUIDE (.044')

TOTAL STRING LENGTH: EOT @ 3197.83' KB'

Wellbore Diagram



FRAC JOB—no stimulation of perfs at present

PERFORATION RECORD

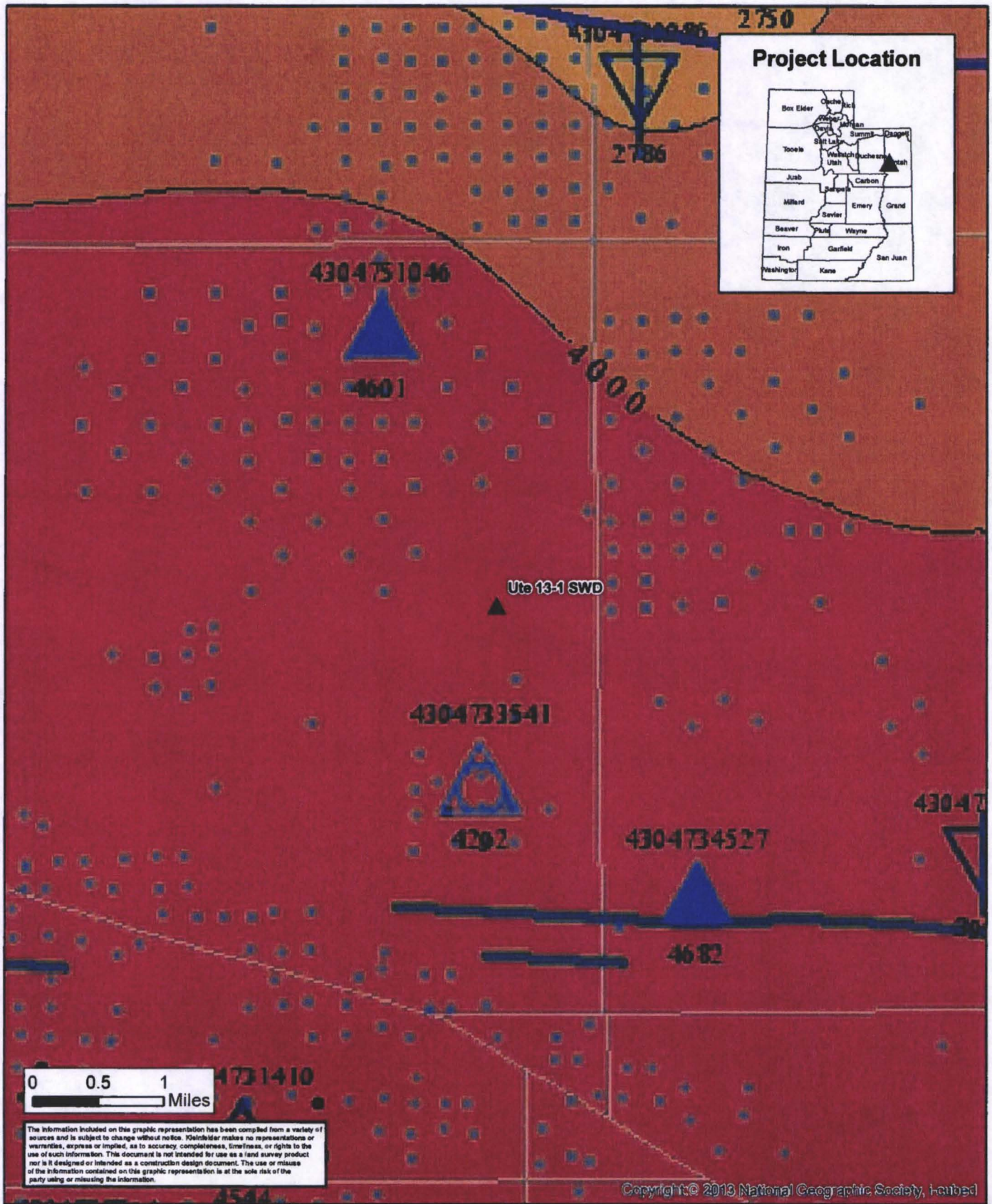
3238-3242'	6 JSPF	24 holes
3245-3249'	6 JSPF	24 holes
3265-3268'	6 JSPF	18 holes
3273-3280'	6 JSPF	42 holes
3450-3454'	6 JSPF	24 holes
3463-3466'	6 JSPF	18 holes
3476-3482'	6 JSPF	36 holes
3494-3499'	6 JSPF	30 holes
3506-3510'	6 JSPF	24 holes
3521-3526'	6 JSPF	30 holes
3548-3553'	6 JSPF	30 holes
3562-3566'	6 JSPF	24 holes

FINLEY RESOURCES, INC.

Ute 13-1-4-1
1075' FSL & 1289' FWL (SW/SW)
Section 13, T4S, R1E
Uintah Co. Utah
API # 43-047-54256; Lease # 14-20-H62-4896

JAS 1/26/15

Figure C1 Base of Moderately Saline Water Contour Map



KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

Legend
▲ Well Location
—4000— Contour

N

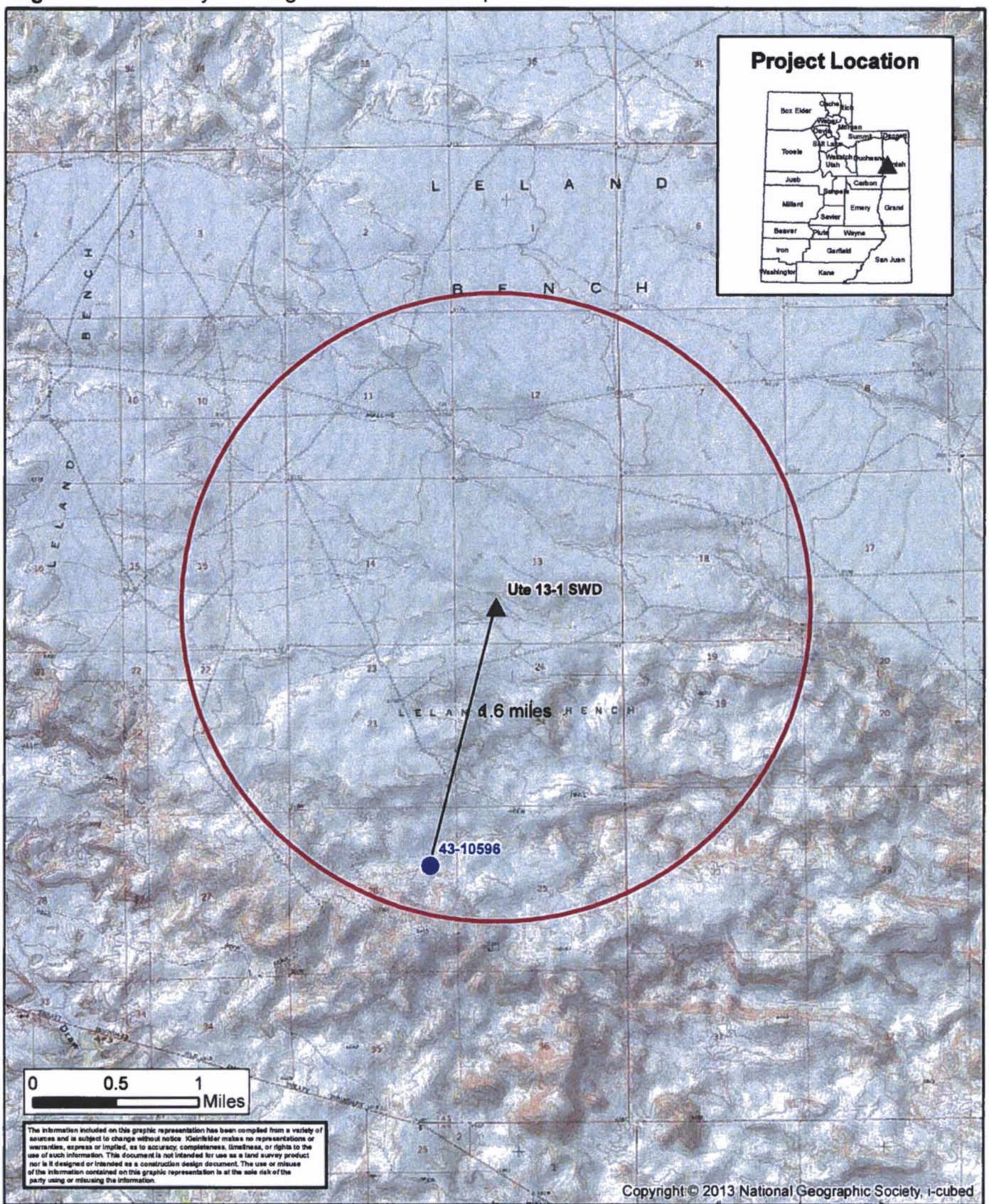
PROJECT NO.	130394
DRAWN:	3/27/2014
DRAWN BY:	A.Leonard
CHECKED BY:	B.Woodard
FILE NAME:	FigC1_BMSW.mxd

Finley Resources Inc.

Ute Tribal 13-1 SWD
Plate 1
BMSW Elevation Contour

FIGURE
C1

Figure C2 Nearby Drinking Water Sources Map



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Legend
- Well Location
- Closest Water Well
- 10,000' radius

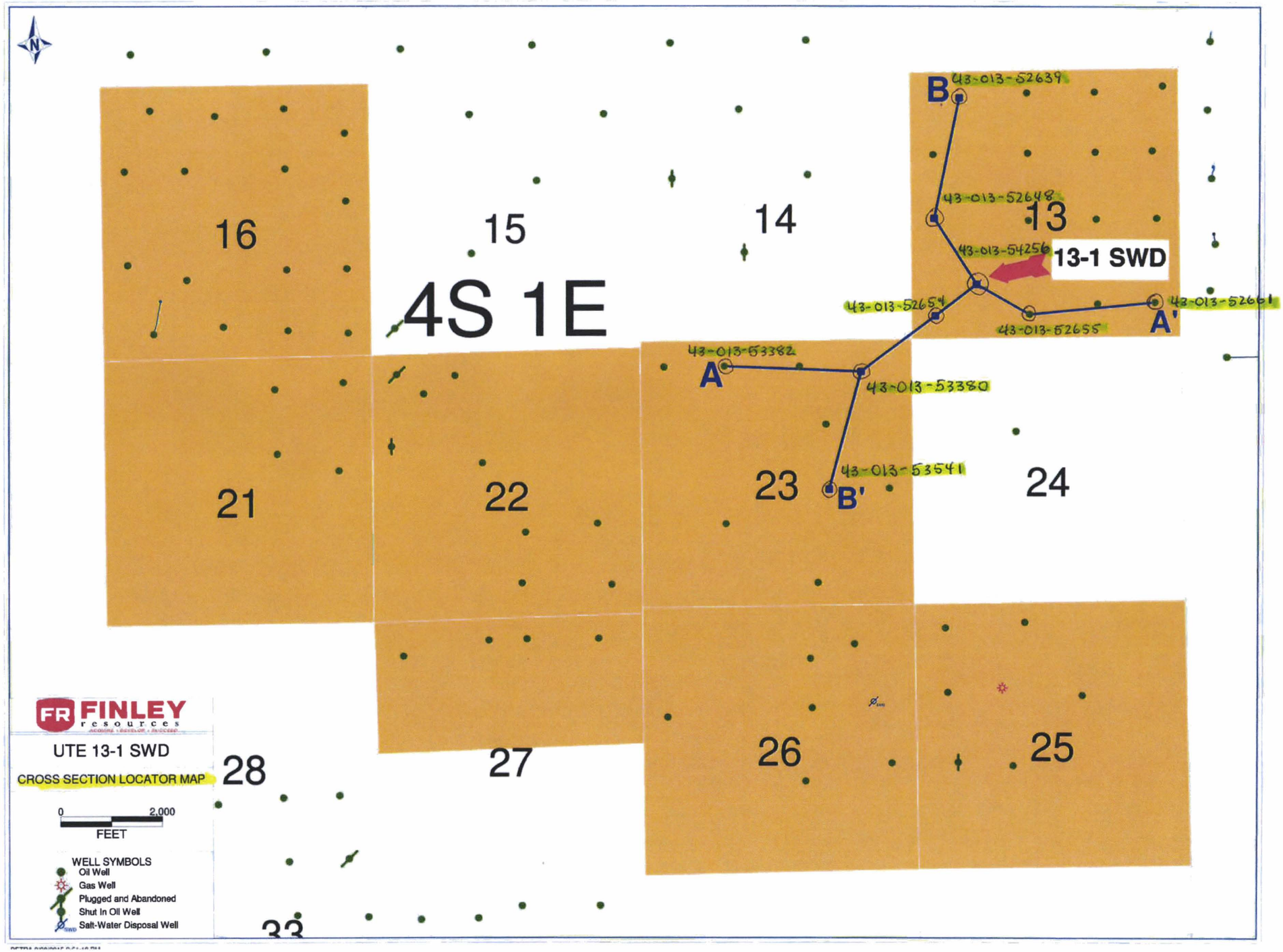
N

PROJECT NO.	130394
DRAWN:	3/27/2014
DRAWN BY:	A.Leonard
CHECKED BY:	B.Woodard
FILE NAME:	FigC2_WaterWells.mxd

Finley Resources Inc.

Ute 13-1 SWD
Water Wells

FIGURE
C2


16
15
14
13
4S 1E
21
22
23
24
27
26
25
28
33
B
43-013-52639
43-013-52648
43-013-54256
13-1 SWD
43-013-52654
43-013-52655
43-013-52661
A'
A
43-013-53382
43-013-53380
43-013-53541
B'
FINLEY resources
UTE 13-1 SWD
CROSS SECTION LOCATOR MAP
0
2,000
FEET
WELL SYMBOLS
Oil Well
Gas Well
Plugged and Abandoned
Shut In Oil Well
Salt-Water Disposal Well

STRATIGRAPHIC CROSS-SECTION A-A'

A

West

A'

East

FINLEY RESOURCES INC
43047533820000
UTE #23-3A-4-1

FINLEY RESOURCES INC
43047533800000
UTE #23-1A-4-1

FINLEY RESOURCES INC
43047526540000
UTE #13-13A-4-1

FINLEY RESOURCES INC
43047542560000
SWD #13-1 SWD

FINLEY RESOURCES INC
43047526550000
UTE #13-14A-4-1

FINLEY RESOURCES INC
43047526610000
UTE #13-16A-4-1

FINLEY RESOURCES

UTE 13-1 SWD

STRATIGRAPHIC CROSS-SECTION A-A'

ON TOP GREEN RIVER

Horizontal Scale = 164.4
Vertical Scale = 50.0
Vertical Exaggeration = 3.2x

Operator
UWI
Well Label

GREEN_RIVER

TOP_BIRDS_NEST

BASE_UPPER_BIRDS_NEST

LOWER_BIRDS_NEST

BASE_BIRDS_NEST

MAHOGANY_BENCH

CONFINING ZONE

INJECTION ZONE

PROPOSED INJECTION ZONE

CONFINING ZONE

PERFS INDICATED IN PINK

STRATIGRAPHIC CROSS-SECTION B-B'

B

North

B'

South

FINLEY RESOURCES INC
43047526390000
UTE #13-4A-4-1

FINLEY RESOURCES INC
43047526480000
UTE #13-12A-4-1

FINLEY RESOURCES INC
43047542560000
SWD #13-1 SWD

FINLEY RESOURCES INC
43047526540000
UTE #13-13A-4-1

FINLEY RESOURCES INC
43047533800000
UTE #23-1A-4-1

FINLEY RESOURCES INC
43047535410000
UTE #23-10A-4-1

FINLEY

UTE 13-1 SWD

STRATIGRAPHIC CROSS-SECTION B-B'

ON TOP GREEN RIVER

Horizontal Scale = 1Mi.I
Vertical Scale = 50.0
Vertical Exaggeration = 3.2x

Operator
UWI
Well Label

GREEN_RIVER

TOP_BIRDS_NEST

BASE_UPPER_BIRDS_NEST

LOWER_BIRDS_NEST

BASE_BIRDS_NEST

MAHOGANY_BENCH

CONFINING ZONE

INJECTION ZONE

PROPOSED INJECTION ZONE

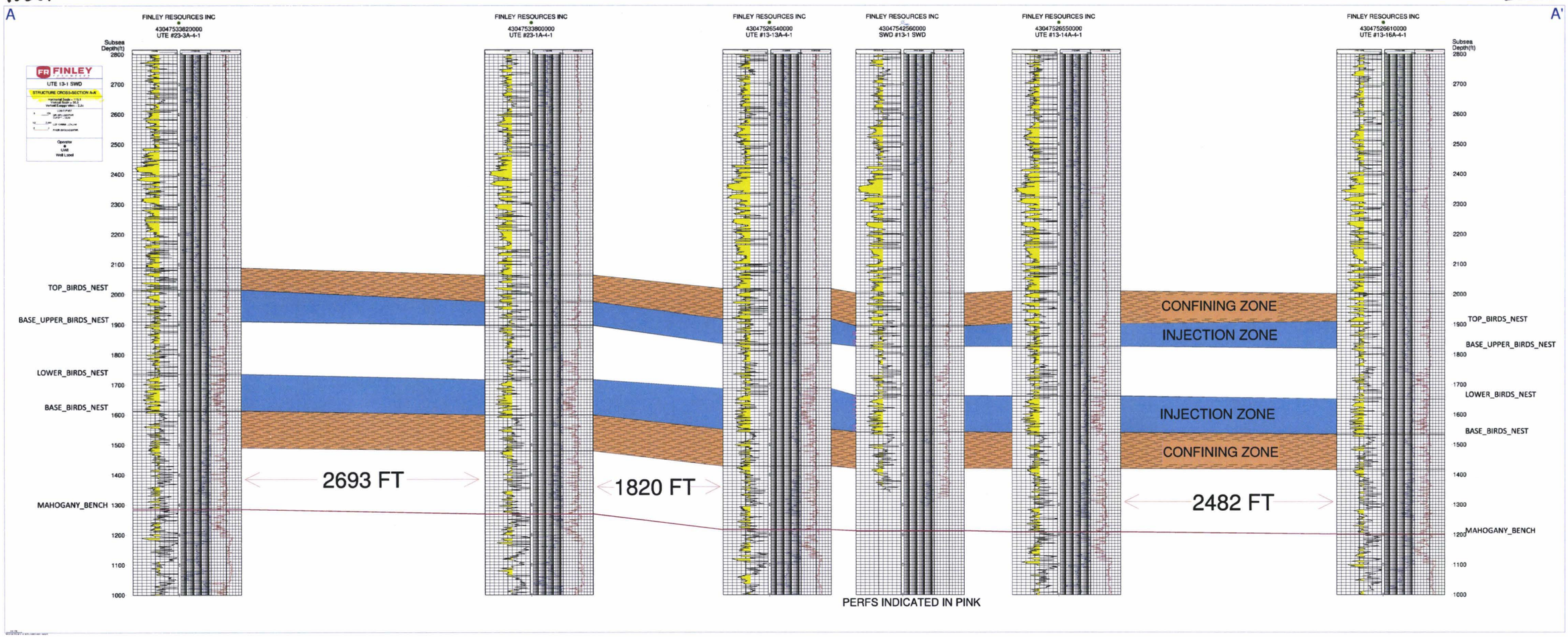
CONFINING ZONE

PERFS INDICATED IN PINK

STRUCTURE CROSS-SECTION A-A'

West

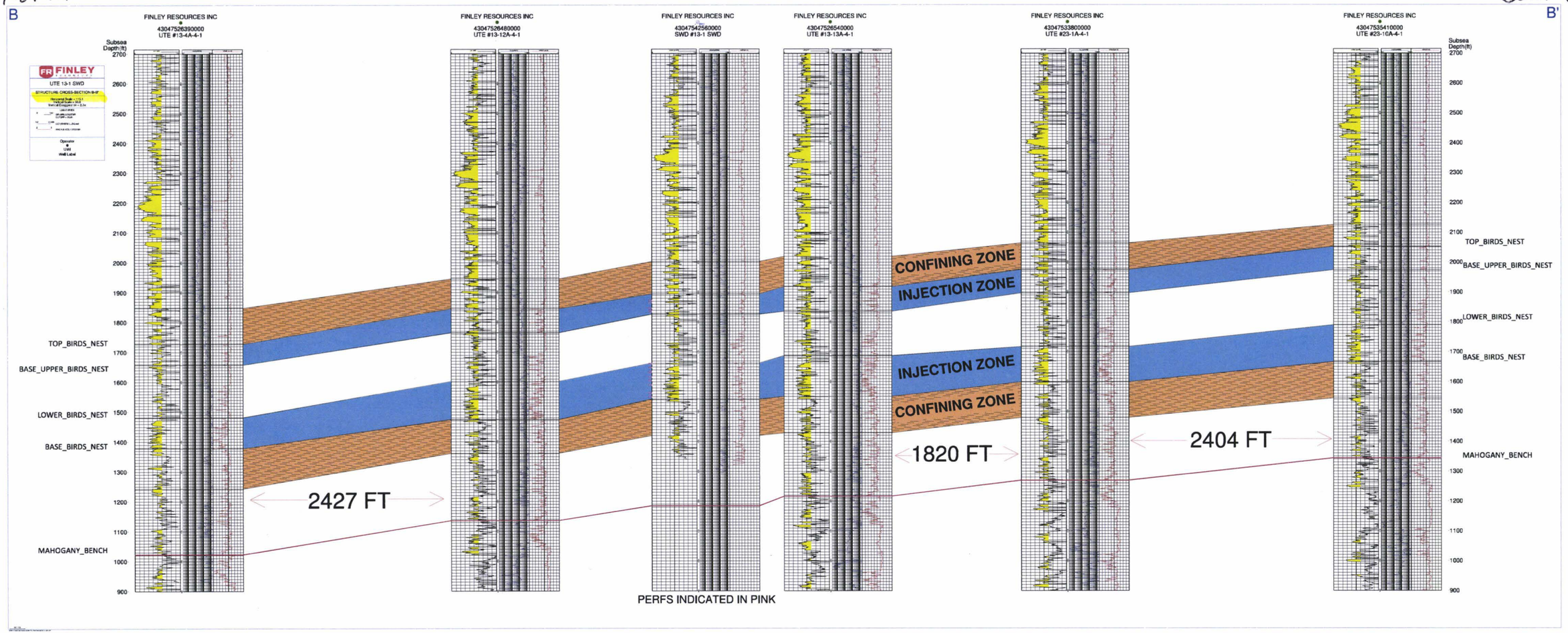
East



STRUCTURE CROSS-SECTION B-B'

North

South



FINLEY resources
ACQUIRE • DEVELOP • SUCCEED

13-1 SWD

STRUCTURE CONTOUR

T/LOWER BIRD'S NEST

0 2,000 4,000
FEET

POSTED WELL DATA
TOP LOWER BIRDS NEST (SS) (FEET)

WELL SYMBOLS
- Oil Well
- Gas Well
- Dry Hole
- Plugged and Abandoned
- Plugged & Abandoned Oil Well
- Shut In Oil Well
- Salt-Water Disposal Well
- Active Intection Well
- Service Well
- Junked

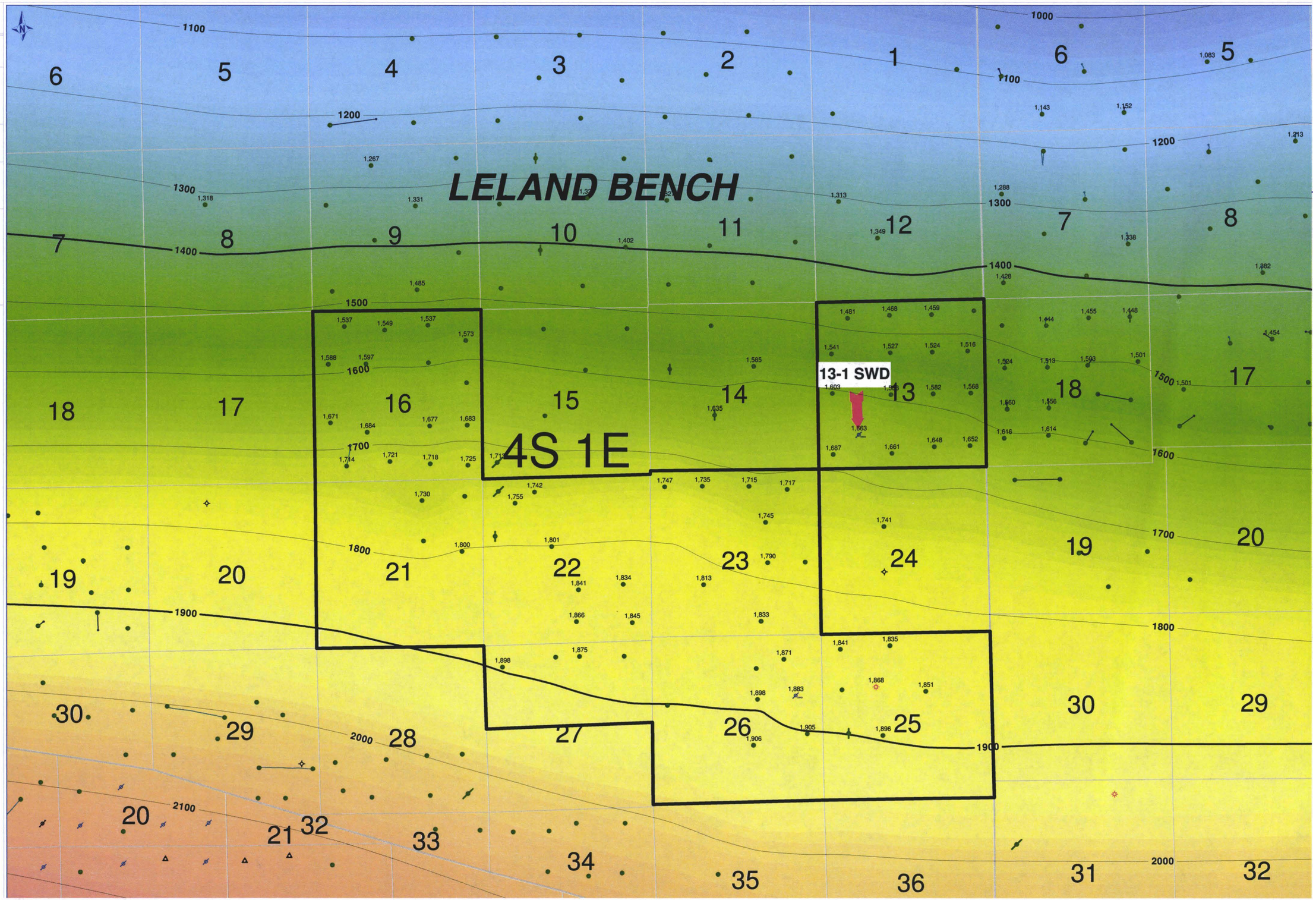


Figure G1 List of Wells with Composition Source to Utilize Injection Well

Lab Monitoring Summary Report

Finley RMR

No Results for the following lab reports (in Red) **for date range requested:**

Bacteria | Cold Finger | **Coupon** | Metals | Millipores | **Oil** | Oil&Grease | **Residuals** | **Solids** | **Water**

multi-chem
A HALLIBURTON SERVICE

Spt 2014 - Feb 2015

		Sample Information				Results																			
Water																									
Injection Point Name	T	ID	Sample ID	Sample Point	SampleDate	CO2 Ac	HCO3 M	Lead	H2S Gas	H2S Aq	p H	Density	TDS	Calcium	Barium	Iron	Magnesium	Manganese	Sodium	Sulfate	Chloride	Zn	K	Sr	CO3	Notes
BAR -F- 25-3A-4-2,UINTAH	*	(S)3361200	WA-298436	Treater/Mi1	1/21/2015	0.00	9028.00	0.00		20.00	8.70	1.0122	22867.69	5.19	0.45	3.64	2.47	0.14	5608.19	164.00	8000.00	0.27	34.64	1.50		B=47.72 Al=.09 Li=22.42
BAR -F- 25-3A-4-2,UINTAH	*	(S)3361200	WA-296188	Treater Mo 1	12/15/2014	0.00	8540.00	0.17		3.00	9.00	1.0174	29125.41	20.60	0.93	13.45	8.46	0.20	9984.06	456.00	10000.00	0.92	55.41	2.63		B=88.62 Al=.18 Li=32.57
GARDNER 36-10A-3-2,UINTAH	*	(S)3539077	WA-299648	TREATER	2/5/2015	160.00	5002.00	0.21		5.00	8.00	1.0158	28383.09	41.88	5.26	8.06	16.43	0.77	8091.23	126.00	15000.00	0.19	43.15	14.17		B=36.85 Al=0 Li=17.02
GARDNER 36-10A-3-2,UINTAH	*	(S)3539077	WA-298431	Treater/Mi1	1/21/2015	0.00	3904.00	0.00		0.00	8.10	1.0098	21481.28	26.33	3.09	21.32	32.87	0.59	3281.51	142.00	14000.00	0.10	28.47	18.69		B=24.64 Al=0 Li=8.42
GARDNER 36-10A-3-2,UINTAH	*	(S)3539077	WA-298324	TREATER	1/19/2015	200.00	3050.00	0.12		0.50	7.10	1.0165	29309.28	155.71	4.40	21.48	73.96	0.65	8556.99	228.00	17000.00	0.02	152.19	28.74		B=41.53 Al=0 Li=16.81
HACKFORD 14-10A-4-2,UINTAH	*	(S)3530792	WA-298430	Treater/Mi1	1/21/2015	0.00	2440.00	0.00		2.00	6.80	1.0116	25274.48	71.14	3.00	10.92	57.07	1.00	3222.43	384.00	19000.00	0.29	12.25	36.66		B=15.07 Al=0 Lio=1.56
HACKFORD 14-7A-4-2,UINTAH	*	(S)3530762	WA-298434	Treater/Mi1	1/21/2015	0.00	1708.00	0.00		2.00	8.10	1.0143	29291.66	33.51	21.73	6.42	42.98	0.65	5237.11	147.00	22000.00	0.15	7.16	65.33		B=9.71 Al=0 Li=1.92
HACKFORD 14-7A-4-2,UINTAH	*	(S)3530762	WA-296189	Treater Mo 1	12/15/2014	280.00	1708.00	0.16		1.50	7.90	1.0252	40658.23	365.21	15.22	67.21	105.58	1.86	15098.00	88.00	23000.00	0.63	71.75	73.47		B=29.23 Al=.06 Li=6.31
UTE 12-15A-4-1 {217263}	*	(S)217263	WA-293670	Treater-Mo 3	11/17/2014	0.00	1464.00	0.00		10.00	8.50	1.0182	29650.31	13.43	0.06	1.61	5.42	0.07	12607.60	501.00	15000.00	0.18	32.58	2.27		B=14.75 Al=.06 Li=1.53
UTE 12-15A-4-1 {217263}	*	(S)217263	WA-290522	Treater MO 2	10/16/2014	0.00	1342.00	0.00		1.50	8.30	1.0153	28120.05	166.35	3.04	15.30	42.10	0.87	7968.05	471.00	18000.00	0.51	92.04	18.79		B=10.35 Al=.14 Li=4.27
UTE 12-15A-4-1 {217263}	*	(S)217263	WA-287369	TREATER	9/16/2014	0.00	10492.00	0.43		20.00	9.00	1.0274	43951.56	14.96	0.93	2.86	7.25	0.21	15684.80	591.00	17000.00	0.97	134.64	4.51		B=11.73 Al=0 Li=3.2
UTE 16-12A-4-1	*	4304752671	WA-299440	Treater	1/30/2015	0.00	1708.00	0.11		20.00	8.40	1.0055	12658.66	22.71	9.99	46.05	5.54	0.81	3681.46	85.00	7000.00	0.34	46.91	4.96		B=14.97 Al=.15 Li=2.1
UTE 16-13A-4-1	*	4304752674	WA-299429	Treater	1/30/2015	0.00	3660.00	0.31		30.00	8.60	1.009	17969.09	32.20	12.82	18.74	10.51	0.27	5027.69	124.00	9000.00	0.43	38.44	7.52		B=40.58 Al=.08 Li=2.02
UTE 16-13A-4-1	*	4304752674	WA-286604	TREATER	9/9/2014	0.00	3660.00	0.00		15.00	9.00	1.0096	18728.37	32.62	6.21	8.37	6.41	0.30	5612.25	193.00	9000.00	0.12	203.87	5.22		B=54.97 Al=0 Li=2.45
UTE 16-5A-4-1	*	43047526640	WA-299436	Treater	1/30/2015	0.00	1342.00	0.43		25.00	8.40	1.0126	22709.55	44.17	76.81	12.87	18.84	0.19	8038.82	77.00	13000.00	0.30	43.38	15.61		B=12.52 Al=.23 Li=2.78
UTE 22-10A-4-1 {214016}	*	(S)214016	WA-290517	Treater MO 3	10/16/2014	120.00	1586.00	0.00		5.00	8.10	1.0176	31699.31	97.37	1.16	12.45	30.95	1.09	9227.73	638.00	20000.00	0.32	83.99	20.25		B=6.94 Al=.03 Li=4.05
UTE 22-10A-4-1 {214016}	*	(S)214016	WA-287370	TREATER Mo 2	9/16/2014	0.00	6100.00	0.00		150.00	9.50	1.0279	44680.26	61.02	0.77	0.66	36.94	0.13	17169.00	1178.00	20000.00	0.05	98.14	19.98		B=9.63 Al=0 Li=4.33
UTE 22-10A-4-1 {214016}	*	(S)214016	WA-286751	WELLHEAD	9/10/2014	0.00	6222.00	0.00		125.00	9.00	1.0301	47253.99	194.04	1.00	0.38	42.40	0.34	18412.60	1229.00	21000.00	0.44	120.47	31.32		B=9.2 Al=0 Li=4.36
UTE 22-10A-4-1 {214016}	*	(S)214016	WA-285991	TREATER	9/2/2014	200.00	1952.00	0.29		220.00	9.00	1.0243	39540.54	248.33	1.70	16.14	55.33	1.00	14957.90	1063.00	21000.00	0.39	171.82	37.43		B=10.55 Al=.58 Li=5.2
UTE 22-15A-4-1,UINTAH	*	(S)3147057	WA-295318	Treater Mo 3	11/17/2014	0.00	1464.00	0.00		10.00	8.50	1.0182	29650.31	13.43	0.06	1.61	5.42	0.07	12607.60	501.00	15000.00	0.18	32.58	2.27		B=14.75 Al=.06 Li=1.53
UTE 22-16A-4-1 {221742}	*	(S)221742	WA-298429	Treater/Mi1	1/21/2015	0.00	3416.00	0.00		80.00	9.00	1.0087	19909.75	7.79	2.45	1.26	13.68	0.21	2966.99	459.00	13000.00	0.00	8.76	11.26		B=14.59 Al=.01 Li=1.24
UTE 22-16A-4-1 {221742}	*	(S)221742	WA-296191	TREATER	12/15/2014	0.00	2684.00	0.17		30.00	9.00	1.0159	27187.37	126.52	3.23	2.79	43.70	0.58	9909.51	284.00	14000.00	0.17	56.72	19.74		B=36.48 Al=.05 Li=4.04
UTE 22-16A-4-1 {221742}	*	(S)221742	WA-291079	Treater	10/22/2014	128.00	3416.00	0.27		15.00	8.10	1.0119	21272.15	136.93	9.10	0.82	28.84	0.33	7233.16	290.00	10000.00	0.13	65.53	16.42		B=31.45 Al=0 Li=3.08
UTE 22-3A-4-1 {214004}	*	(S)214004	WA-299438	Treater	1/30/2015	0.00	2928.00	0.36		150.00	8.60	1.0163	27773.80	113.24	1.03	19.71	34.94	0.50	10090.30	441.00	14000.00	0.72	91.61	14.49		B=32.19 Al=.02 Li=3.99
UTE 22-3A-4-1 {214004}	*	(S)214004	WA-293668	Treater-Mo 3	11/17/2014	0.00	2440.00	0.00		50.00	9.00	1.0187	29435.87	21.83	0.11	2.88	7.03	0.19	13487.50	411.00	13000.00	0.15	36.95	3.06		B=15.55 Al=0 Li=3.02
UTE 22-3A-4-1 {214004}	*	(S)214004	WA-290520	Treater MO 2	10/16/2014	200.00	1708.00	0.00		25.00	8.30	1.0126	24116.46	80.83	2.86	0.99	29.34	0.38	6667.25	417.00	15000.00	0.25	198.13	11.43		B=29.78 Al=.11 Li=3.59
UTE 22-3A-4-1 {214004}	*	(S)214004	WA-287367	TREATER Mo 1	9/16/2014	0.00	3660.00	0.35		25.00	8.50	1.0117	21255.87	165.58	2.88	4.77	32.90	0.57	6899.41	324.00	10000.00	0.27	127.94	13.76		B=46.72 Al=0 Li=3.5
UTE 22-3A-4-1 {214004}	*	(S)214004	WA-286753	WELLHEAD	9/10/2014	120.00	1952.00	0.00		10.00	7.50	1.0098	18521.33	196.08	3.30	0.64	36.31	0.32	5948.98	164.00	10000.00	0.13	206.43	13.14		B=37.68 Al=0 Li=4.05
UTE 22-4A-4-1	*	(S)214008	WA-299435	Treater	1/30/2015	0.00	2440.00	0.25		45.00	8.50	1.0062	13733.60	31.49	5.78	27.62	8.07	0.40	3895.08	222.00	7000.00	2.11	57.62	5.60		B=28.5 Al=.5 Li=1.81
UTE 22-4A-4-1	*	(S)214008	WA-290516	Treater MO 3	10/16/2014	0.00	2074.00	0.00		5.00	8.30	1.0077	16041.77	48.44	5.78	1.95	13.79	0.18	4505.86	237.00	9000.00	0.20	144.62	9.95		B=27.09 Al=.13 Li=3.17 ***SURFACE TENSION 52.67 mN/m***

UTE 22-4A-4-1	*	(S)214008	WA-287362	TREATER Mo 2	9/16/2014	0.00	2928.00	0.32	4.50	8.50	1.0086	17335.33	78.21	9.44	3.26	15.72	0.19	4843.99	183.00	9000.00	0.19	151.11	1.31	B=38.34 Al=0 Li=2.95
UTE 22-4A-4-1	*	(S)214008	WA-286754	WELLHEAD	9/10/2014	120.00	4148.00	0.00	15.00	7.50	1.0087	17346.20	63.02	8.19	0.74	13.56	0.11	4723.19	182.00	8000.00	0.32	200.21	6.86	B=43.33 Al=0 Li=2.75
UTE 22-4A-4-1	*	(S)214008	WA-285993	TREATER	9/2/2014	120.00	2440.00	0.21	10.00	7.50	1.0067	13553.87	69.39	6.49	16.17	15.66	0.53	4556.04	202.00	6000.00	0.14	170.17	38.33	B=40.71 Al=.26 Li=2.72
UTE 22-6A-4-1 {214012}	*	(S)214012	WA-299434	Treater	1/30/2015	0.00	8540.00	0.15	100.00	9.30	1.0306	48208.26	58.24	0.39	259.57	6.34	13.48	18366.10	855.00	20000.00	0.97	59.08	6.05	B=6.69 Al=.74 Li=2.78
UTE 22-6A-4-1 {214012}	*	(S)214012	WA-290515	Treater MO 3	10/16/2014	0.00	8052.00	0.00	60.00	9.00	1.0298	50703.89	16.28	0.56	1.19	6.64	0.46	14881.90	1623.00	26000.00	0.34	116.42	5.10	B=6.8 Al=.16 Li=3.95 ***SURFACE TENSION 57.54 mN/m***
UTE 22-6A-4-1 {214012}	*	(S)214012	WA-287363	TREATER	9/16/2014	0.00	8052.00	0.47	45.00	9.00	1.0272	42693.86	20.59	1.23	1.31	7.83	0.39	16719.80	728.00	17000.00	0.14	139.18	5.28	B=11.75 Al=0 Li=3.45
UTE 22-6A-4-1 {214012}	*	(S)214012	WA-286752	WELLHEAD	9/10/2014	0.00	5856.00	0.00	50.00	8.30	1.0237	38652.02	37.72	1.77	3.91	10.29	21.14	13888.00	670.00	18000.00	0.39	155.97	6.83	B=14.4 Al=0 Li=4.01
UTE 22-6A-4-1 {214012}	*	(S)214012	WA-285992	TREATER	9/2/2014	0.00	9516.00	0.32	5.00	9.00	1.0243	39805.22	37.72	1.48	19.90	10.37	1.69	13391.40	599.00	16000.00	0.46	174.35	16.93	B=9.63 Al=.09 Li=3.49
UTE 23-11A-4-1,UINTAH	*	(S)3147055	WA-298432	Treater/Mi1	1/21/2015	0.00	2684.00	0.00	2.00	7.90	1.0044	12465.32	27.89	2.80	2.69	17.64	0.76	1543.74	80.00	8000.00	0.07	62.71	8.74	B=25.78 Al=0 Li=1.46
UTE 23-1A-4-1	*	4304753380	WA-286596	TREATER	9/9/2014	0.00	3416.00	0.00	20.00	9.70	1.0164	28740.32	57.28	0.82	42.98	9.24	0.95	9845.61	288.00	15000.00	0.23	70.92	8.29	B=56.14 Al=0 Li=5.68
UTE 23-2A-4-1	*	(S)206726	WA-286599	TREATER	9/9/2014	0.00	3050.00	0.00	10.00	8.70	1.0078	15884.54	87.58	4.00	581.88	13.70	8.96	3823.46	223.00	8000.00	10.00	76.62	5.34	B=16.35 Al=3.81 Li=2.89
UTE 23-3A-4-1	*	4304753383	WA-286602	TREATER	9/9/2014	0.00	4270.00	0.00	20.00	9.00	1.0104	20782.64	20.69	2.40	6.95	2.09	0.17	5262.57	160.00	11000.00	0.52	54.65	2.60	B=55.97 Al=0 Li=2.64
UTE 23-7A-4-1	*	4304753384	WA-286600	TREATER	9/9/2014	80.00	3172.00	0.00	20.00	8.40	1.0072	15381.06	43.86	2.97	224.62	4.71	2.71	3731.58	132.00	8000.00	5.30	58.16	3.15	B=56.59 Al=3.18 Li=3.36
UTE 25-3A-4-1 {221744}	*	(S)221744	WA-298435	Treater/Mi1	1/21/2015	0.00	3172.00	0.00	10.00	8.50	1.0075	17878.38	23.08	2.10	1.65	20.40	0.59	2463.07	148.00	12000.00	0.00	8.16	18.73	B=-22.87 Al=.04 Li=1.51
UTE 25-3A-4-1 {221744}	*	(S)221744	WA-296190	TREATER	12/15/2014	0.00	2562.00	0.10	10.00	8.70	1.023	37456.23	331.52	1.24	2.89	96.98	1.04	13686.90	624.00	20000.00	0.14	70.42	30.90	B=46.34 Al=.08 Li=5.42
UTE 25-3A-4-1 {221744}	*	(S)221744	WA-293281	WELL HEAD	11/10/2014	280.00	6588.00	0.03	5.00	8.30	1.0144	24273.65	428.03	1.26	21.96	100.10	1.59	7548.71	1393.00	8000.00	0.21	117.12	35.53	
UTE 25-3A-4-1 {221744}	*	(S)221744	WA-291922	Treater	10/29/2014	240.00	1952.00	0.10	2.00	7.00	1.0303	50317.00	201.00	0.90	87.00	79.00	1.20	16582.00	1351.00	30000.00	0.10	37.00	25.70	
UTE 25-3A-4-1 {221744}	*	(S)221744	WA-291928	Well Head	10/29/2014	160.00	2928.00	0.10	2.00	7.00	1.0288	46257.30	200.00	0.80	112.00	83.00	1.40	16777.00	1060.00	25000.00	0.20	37.00	25.50	
UTE 25-3A-4-1 {221744}	*	(S)221744	WA-289020	FRAC TANK	9/25/2014	40.00	244.00	0.00	0.00	6.00	0.998	1439.04	46.46	1.70	9.51	18.62	0.77	24.88	83.00	1000.00	0.62	2.21	0.36	B=.1 Al=0 Li=0
UTE 26-5A-4-1 {221746}	*	(S)221746	WA-298433	Treater/Mi1	1/21/2015	0.00	3172.00	0.00	10.00	8.10	1.0056	14354.43	30.41	2.90	4.13	16.66	1.20	2041.92	29.00	9000.00	0.01	13.83	12.65	B=17.44 Al=0 Li=1.7
UTE 26-5A-4-1 {221746}	*	(S)221746	WA-291920	FRAC TANK	10/29/2014	8.00	244.00	0.03	0.00	6.00	0.998	1418.95	69.04	0.05	4.26	18.53	0.70	40.71	30.00	1000.00	0.02	4.28	0.49	B=.14 Al=.08 Li=0
UTE 27-1A-4-1	*	43047353536	WA-293669	Treater-Mo 3	11/17/2014	0.00	9394.00	0.00	100.00	10.00	1.019	35192.02	35.79	0.24	2.34	12.25	0.10	8582.15	1094.00	16000.00	0.15	49.52	4.20	B=15.88 Al=.07 Li=1.49
UTE 27-1A-4-1	*	43047353536	WA-290521	Treater MO 2	10/16/2014	0.00	5734.00	0.00	110.00	9.00	1.0211	38206.39	41.14	0.49	26.64	12.40	0.99	9653.19	1617.00	21000.00	0.49	113.17	6.88	B=23.93 Al=.14 Li=3.36
UTE 27-1A-4-1	*	43047353536	WA-287368	TREATER	9/16/2014	0.00	3660.00	0.42	10.00	8.50	1.0108	19789.30	167.38	3.81	10.12	29.53	0.68	6369.13	333.00	9000.00	0.42	175.08	13.20	B=46.24 Al=0 Li=3.67
UTE 27-2A-4-1 {217269}	*	(S)217269	WA-290518	Treater MO 2	10/16/2014	0.00	2684.00	0.00	3.00	8.50	1.0169	30941.63	68.39	1.32	3.19	31.34	0.41	8580.82	487.00	19000.00	0.29	75.29	9.58	B=30.62 Al=.03 Li=3.82
UTE 27-2A-4-1 {217269}	*	(S)217269	WA-287365	TREATER Mo 1	9/16/2014	0.00	4148.00	0.39	25.00	8.70	1.0214	35084.58	93.36	0.79	1.95	39.95	1.52	12959.10	722.00	17000.00	0.31	88.87	12.03	B=30.96 Al=0 Li=4.11
UTE 27-2A-4-1 {217269}	*	(S)217269	WA-286746	WELLHEAD	9/9/2014	0.00	4026.00	0.00	20.00	8.00	1.0211	34686.66	63.25	1.01	0.15	41.89	0.05	12607.40	836.00	17000.00	0.72	99.23	10.96	B=24.69 Al=0 Li=4.06
UTE 27-2A-4-1 {217269}	*	(S)217269	WA-285990	TREATER	9/2/2014	160.00	1952.00	0.14	5.00	8.00	1.0173	29377.85	188.99	1.29	121.28	46.79	1.58	10263.20	619.00	16000.00	0.13	130.99	14.43	B=35.49 Al=.03 Li=3.9
UTE 27-3A-4-1 {217265}	*	(S)217265	WA-293667	Treater-Mo 3	11/17/2014	0.00	7808.00	0.00	100.00	9.50	1.014	29301.63	113.01	0.75	2.35	13.02	0.27	4042.92	1134.00	16000.00	0.09	107.12	9.75	B=6.71 Al=.02 Li=1.34
UTE 27-3A-4-1 {217265}	*	(S)217265	WA-290519	Treater MO 2	10/16/2014	0.00	7076.00	0.00	75.00	9.00	1.0233	41883.54	22.21	0.54	4.56	12.75	0.59	10403.60	1233.00	23000.00	0.13	123.97	6.19	B=27.08 Al=.06 Li=6.89
UTE 27-3A-4-1 {217265}	*	(S)217265	WA-287366	TREATER	9/16/2014	0.00	4392.00	0.52	5.00	8.70	1.0145	24794.04	69.36	1.89	22.52	26.13	0.50	8924.50	202.00	11000.00	0.60	122.51	11.77	B=52.92 Al=0 Li=9.12
UTE 27-3A-4-1 {217265}	*	(S)217265	WA-286750	WELLHEAD	9/9/2014	240.00	4880.00	0.00	5.00	7.50	1.0185	32825.04	116.92	3.66	70.87	27.31	1.24	7221.39	0.00	19000.00	0.63	99.02	1404.00	B=44.51 Al=0 Li=8.47
UTE 27-3A-4-1 {217265}	*	(S)217265	WA-286517	TREATER	9/5/2014	320.00	6344.00	0.00	10.00	7.50	1.0143	25149.65	107.70	6.90	279.30	22.20	4.60	7171.70	71.00	11000.00	0.65	85.90	11.50	
UTE TRIBAL 13-02A 4-1	*	4304752637	WA-294797	Treater	11/25/2014	0.00	2684.00	0.00	5.00	8.70	1.0234	39367.39	331.56	3.34	15.64	84.05	0.60	13012.10	95.00	23000.00	0.20	50.31	38.93	B=25.44 Al=.11 Li=12.8
UTE TRIBAL 13-02A 4-1	*	4304752637	WA-286603	TREATER	9/9/2014	0.00	2684.00	0.00	5.00	8.50	1.0228	37768.89	48.35	8.24	15.38	25.65	0.19	13822.20	50.00	21000.00	0.09	89.72	25.07	B=22.49 Al=0 Li=13.44
UTE TRIBAL 13-03A 4-1	*	4304752638	WA-294776	Treater	11/25/2014	160.00	3416.00	0.02	2.00	8.30	1.0267	46076.70	238.35	0.24	6.58	73.95	0.30	13156.90	1079.00	28000.00	0.21	37.62	18.78	B=57.46 Al=.06 Li=16.59
UTE TRIBAL 13-03A 4-1	*	4304752638	WA-290075	Treater BOTTOM	10/8/2014	0.00	6832.00	0.00	20.00	8.70	1.032	53911.43	43.00	1.00	5.60	37.00	0.14	16239.00	1625.00	29000.00	0.01	99.00	7.00	B=62 Al=.01 Li=16
UTE TRIBAL 13-03A 4-1	*	4304752638	WA-286595	TREATER	9/9/2014	0.00	2928.00	0.00	5.00	8.80	1.0287	44636.26	280.78	1.70	56.96	55.79	0.95	18244.50	952.00	22000.00	0.31	93.35	21.92	B=70.86 Al=0 Li=21.51

UTE TRIBAL 13-04A 4-1	*	4304752638	WA-284777	Treater	11/25/2014	0.00	6588.00	0.00	5.00	8.30	1.0187	32590.44	30.62	0.46	9.58	17.22	0.18	9530.49	347.00	16000.00	0.28	26.21	8.24	B=76.59	Al=.08	Li=36.13
UTE TRIBAL 13-04A 4-1	*	4304752639	WA-286592	TREATER	9/9/2014	0.00	8540.00	0.00	5.00	8.50	1.0204	33180.40	177.54	4.13	719.84	24.38	9.57	10390.30	226.00	13000.00	5.84	61.90	20.90	B=86.94	Al=0	Li=42.23
UTE TRIBAL 13-05A 4-1	*	4304752640	WA-284773	Treater	11/25/2014	0.00	3660.00	0.00	4.00	9.00	1.0117	18044.65	44.71	0.46	8.06	21.57	0.24	9861.12	360.00	4000.00	0.29	37.39	10.24	B=47.97	Al=.13	Li=21.12
UTE TRIBAL 13-05A 4-1	*	4304752640	WA-286605	TREATER	9/9/2014	0.00	5856.00	0.00	5.00	8.80	1.0183	30806.70	326.04	3.00	23.02	38.68	0.77	10200.00	250.00	14000.00	0.27	73.16	35.76	B=59.76	Al=0	Li=29.29
UTE TRIBAL 13-06A 4-1	*	4304752641	WA-284778	Treater	11/25/2014	0.00	2684.00	0.00	3.00	9.00	1.0164	29264.17	61.91	3.50	4.89	22.54	0.85	9279.86	93.00	17000.00	0.45	51.66	15.27	B=34.78	Al=.11	Li=9.89
UTE TRIBAL 13-07A 4-1	*	4304752643	WA-284779	Treater	11/25/2014	80.00	976.00	0.00	4.00	7.40	1.0348	57368.43	415.50	2.45	31.46	121.07	1.25	19295.20	328.00	36000.00	0.23	48.85	89.53	B=16.79	Al=.05	Li=9.4
UTE TRIBAL 13-07A 4-1	*	4304752643	WA-286591	TREATER	9/9/2014	0.00	2196.00	0.00	5.00	8.00	1.0227	34938.92	934.56	3.94	1854.75	78.53	27.17	11287.10	408.00	18000.00	14.22	68.09	66.56	B=33.61	Al=9.03	Li=16.26
UTE TRIBAL 13-08A 4-1	*	4304752644	WA-284781	Treater	11/25/2014	0.00	1708.00	0.02	2.50	8.30	1.0323	53960.64	197.99	16.88	17.41	86.92	0.78	17748.10	26.00	34000.00	0.60	42.74	81.64	B=17.37	Al=.12	Li=9.74
UTE TRIBAL 13-09A 4-1	*	4304752645	WA-284782	Treater	11/25/2014	0.00	2196.00	0.00	7.50	9.00	1.021	36348.33	98.11	24.41	13.82	52.79	0.37	11761.40	80.00	22000.00	0.58	46.59	31.15	B=12.15	Al=.08	Li=6.26
UTE TRIBAL 13-09A 4-1	*	4304752645	WA-286594	TREATER	9/9/2014	80.00	1464.00	0.00	10.00	8.00	1.0228	37165.75	128.81	37.61	135.08	44.63	0.98	14153.00	75.00	21000.00	0.81	86.12	39.71	B=11.51	Al=0	Li=7.38
UTE TRIBAL 13-10A 4-1	*	4304752647	WA-284806	Treater	11/25/2014	80.00	1220.00	0.00	2.50	8.30	1.0333	54901.66	93.75	8.68	4.62	42.54	0.12	19397.50	14.00	34000.00	0.36	41.22	42.13	B=15.03	Al=.06	Li=7.36
UTE TRIBAL 13-10A 4-1	*	4304752647	WA-286590	TREATER	9/9/2014	80.00	2562.00	0.00	5.00	8.50	1.0383	56985.78	140.33	16.40	2.60	35.63	0.12	25031.70	45.00	31000.00	0.39	94.41	57.20	B=14.03	Al=0	Li=8.78
UTE TRIBAL 13-12A 4-1	*	4304752648	WA-284816	Treater	11/25/2014	0.00	2684.00	0.00	7.50	8.50	1.0264	45195.03	103.53	2.17	2.03	45.05	0.13	14079.30	162.00	28000.00	0.15	40.93	35.62	B=32.9	Al=.01	Li=9.31
UTE TRIBAL 13-12A 4-1	*	4304752648	WA-286588	TREATER	9/9/2014	80.00	1952.00	0.00	10.00	8.00	1.0166	27735.22	310.96	1.33	460.81	33.70	6.54	9809.72	40.00	15000.00	4.69	84.13	31.34	B=20.13	Al=.81	Li=7.82
UTE TRIBAL 13-13A 4-1	*	4304752654	WA-284813	Treater	11/25/2014	0.00	2146.00	0.00	7.00	8.50	1.029	49048.67	109.62	0.34	1.21	63.83	0.16	15557.80	1067.00	30000.00	0.11	48.20	16.01	B=19.06	Al=0	Li=5.88
UTE TRIBAL 13-13A 4-1	*	4304752654	WA-286589	TREATER	9/9/2014	0.00	3904.00	0.00	5.00	8.00	1.0328	51990.24	321.08	1.27	57.45	71.69	1.54	19303.60	1180.00	27000.00	0.15	117.56	31.90	B=25.91	Al=0	Li=7.16
UTE TRIBAL 13-14A 4-1	*	4304752655	WA-284782	Treater	11/25/2014	0.00	6832.00	0.00	37.50	8.70	1.0291	50092.28	25.36	0.56	0.69	27.60	0.15	14066.20	1056.00	28000.00	0.05	38.25	7.02	B=22.33	Al=.01	Li=5.72
UTE TRIBAL 13-14A 4-1	*	4304752655	WA-287364	TREATER	9/16/2014	0.00	7564.00	0.51	50.00	8.70	1.0282	45067.37	192.14	1.19	3.78	36.91	0.45	16332.70	805.00	20000.00	0.12	91.36	22.67	B=29.9	Al=0	Li=6.77
UTE TRIBAL 13-14A 4-1	*	4304752655	WA-286598	TREATER	9/9/2014	0.00	6588.00	0.00	75.00	8.60	1.0282	44618.05	354.90	1.63	29.01	4.10	1.13	16475.10	1049.00	20000.00	0.14	89.07	25.97	B=25.14	Al=0	Li=6.66
UTE TRIBAL 13-15A 4-1	*	4304752656	WA-284780	Treater	11/25/2014	80.00	2940.00	0.00	7.50	8.30	1.0156	27940.14	67.13	7.09	8.46	29.05	0.82	8739.78	50.00	16000.00	0.91	38.23	17.86	B=28.93	Al=.11	Li=6.96
UTE TRIBAL 13-15A 4-1	*	4304752656	WA-286587	TREATER	9/9/2014	80.00	3660.00	0.00	5.00	8.00	1.0175	30115.40	69.34	2.88	87.06	28.48	1.26	9903.25	262.00	16000.00	0.96	79.60	20.55	B=28.27	Al=0	Li=8.3
UTE TRIBAL 13-16A 4-1	*	4304752661	WA-284801	Treater	11/25/2014	0.00	2196.00	0.00	2.50	8.30	1.0135	24510.40	60.26	2.75	11.93	20.98	0.32	8040.14	86.00	14000.00	0.21	35.45	11.13	B=27.1	Al=.07	Li=8.51
UTE TRIBAL 13-16A 4-1	*	4304752661	WA-286606	TREATER	9/9/2014	0.00	2562.00	0.00	5.00	8.30	1.0162	31044.55	60.27	36.89	5.58	16.22	0.25	7219.52	56.00	21000.00	0.79	73.58	13.45	B=26.9	Al=0	Li=10.02
UTE TRIBAL 16-01A-4-1	*	(S)155356	WA-299442	Treater	1/30/2015	0.00	4392.00	0.14	25.00	9.00	1.0127	23644.09	18.94	6.25	19.50	4.08	0.33	7074.15	41.00	12000.00	1.02	39.17	5.97	B=61.63	Al=.06	Li=8.91
UTE TRIBAL 16-01A-4-1	*	(S)155356	WA-286444	Treater	12/23/2014	0.00	3660.00	2.60	65.00	9.00	1.0148	26240.75	28.00	4.50	1.70	14.00	0.55	8520.00	453.00	13000.00	2.50	464.00	8.90	Al 5.7 Li 35		
UTE TRIBAL 16-01A-4-1	*	(S)155356	WA-290077	Treater	10/10/2014	0.00	3050.00	0.00	40.00	9.00	1.014	26447.62	20.00	24.00	0.52	7.20	0.06	7248.00	6.00	16000.00	0.00	58.00	6.00	B=60	Al=0	Li=1.9
UTE TRIBAL 16-02A 4-1	*	4304732663	WA-299445	Treater	1/30/2015	0.00	1220.00	0.06	20.00	7.70	1.0258	42385.18	141.22	19.27	10.11	51.94	0.16	15754.70	8.00	25000.00	0.12	64.44	78.75	B=17.34	Al=0	Li=5.11
UTE TRIBAL 16-03A 4-1	*	4304752657	WA-299432	Treater	1/30/2015	0.00	976.00	0.16	15.00	8.60	1.0071	14967.05	51.71	4.30	46.58	12.05	0.41	4672.35	99.00	9000.00	0.41	38.95	7.68	B=20.8	Al=.31	Li=2.74
UTE TRIBAL 16-04A 4-1	*	4304752658	WA-299441	Treater	1/30/2015	160.00	1586.00	0.10	15.00	7.70	1.0181	30387.86	145.77	37.01	73.20	40.40	1.00	11267.30	73.00	17000.00	0.38	68.08	54.02	B=13.08	Al=.02	Li=5.6
UTE TRIBAL 16-06A 4-1	*	4304752659	WA-299444	Treater	1/30/2015	80.00	1708.00	0.39	20.00	7.60	1.0101	18702.70	47.54	44.42	192.67	14.50	1.38	6513.72	69.00	10000.00	1.05	49.84	12.99	B=16.36	Al=.3	Li=2.69
UTE TRIBAL 16-07A 4-1	*	4304752665	WA-299437	Treater	1/30/2015	0.00	6222.00	3.05	45.00	9.00	1.0112	21341.06	12.71	6.30	40.61	3.94	0.44	5952.68	21.00	9000.00	2.34	34.68	4.05	B=126.0	Al=.18	Li=8.5
UTE TRIBAL 16-08A 4-1	*	4304752667	WA-299439	Treater	1/30/2015	160.00	2928.00	0.57	25.00	8.40	1.0162	25073.87	84.05	5.77	659.78	41.40	5.19	11169.10	47.00	10000.00	6.33	64.42	8.96	B=51.33	Al=3.38	Li=5.81
UTE TRIBAL 16-09A 4-1	*	4304752660	WA-286755	WELLHEAD	9/10/2014	80.00	5368.00	0.00	45.00	8.00	1.0095	18605.10	9.49	27.36	4.07	1.51	0.20	5122.22	17.00	8000.00	0.31	52.28	2.66	B=68.63	Al=0	Li=2.04
UTE TRIBAL 16-09A 4-1	*	4304752660	WA-286585	TREATER	9/9/2014	0.00	4392.00	0.00	5.00	8.00	1.0075	17725.06	5.50	13.70	4.81	0.60	0.15	2277.35	4.00	11000.00	0.01	25.52	1.42	B=38.37	Al=0	Li=1.03
UTE TRIBAL 16-10A 4-1	*	4304752668	WA-299431	Treater	1/30/2015	0.00	3904.00	0.20	25.00	8.50	1.009	17535.75	8.14	7.43	9.77	4.81	0.16	5426.04	105.00	8000.00	0.33	31.22	2.92	B=61.07	Al=.14	Li=4.63
UTE TRIBAL 16-10A 4-1	*	4304752668	WA-286586	TREATER	9/9/2014	0.00	6344.00	0.00	20.00	8.50	1.01	20066.23	18.52	7.92	14.46	3.65	0.20	4584.26	46.00	9000.00	0.17	43.57	3.48	B=65.88	Al=0	Li=5.44
UTE TRIBAL 16-11A 4-1	*	4304752666	WA-299443	Treater	1/30/2015	0.00	2496.00	0.10	45.00	8.90	1.0068	14823.45	23.44	6.67	15.93	6.18	0.20	4145.29	50.00	8000.00	0.34	30.99	4.05	B=44.96	Al=.3	Li=2.82
UTE TRIBAL 16-11A 4-1	*	4304752666	WA-286593	TREATER	9/9/2014	0.00	3050.00	0.00	0.00	8.70	1.0069	15034.32	25.50	5.33	17.00	2.13	0.23	3886.80	0.00	8000.00	0.34	43.34	3.65	B=50.96	Al=0	Li=3.54

UTE TRIBAL 16-14A 4-1	*	4304752670	WA-299428	Treater	1/30/2015	0.00	2440.00	0.22	40.00	8.80	1.0077	16735.04	10.94	3.77	24.62	3.49	0.20	4119.78	66.00	10000.00	5.01	26.65	3.10	B=31.94 Al=.1 Li=1.87
UTE TRIBAL 16-15A 4-1	*	4304752669	WA-299433	Treater	1/30/2015	0.00	3782.00	0.26	55.00	8.60	1.0096	18106.09	10.23	4.64	9.28	3.39	0.16	6115.31	105.00	8000.00	0.29	37.07	3.02	B=118.44 Al=.25 Li=5.91
UTE TRIBAL 21-02H	*	(S)40411	WA-290076	Treater	10/10/2014	80.00	1220.00	0.01	5.00	7.90	1.0192	34115.03	89.00	14.00	21.00	22.00	0.30	10425.00	88.00	22000.00	1.80	212.00	17.00	B=10 Al=0 Li=3.4
UTE TRIBAL 23-04A 4-1	*	(S)179890	WA-286601	TREATER	9/9/2014	0.00	8418.00	0.00	40.00	8.90	1.0219	36301.09	9.71	0.73	8.13	2.72	0.43	12285.30	515.00	15000.00	0.23	58.24	2.60	B=60.65 Al=0 Li=7.76
UTE TRIBAL 26-01 SWD	*	(S)16373	WA-296321	AFTER FILTERS	12/18/2014	0.00	7198.00	0.00	200.00	8.70	1.0254	43628.14	85.41	0.74	6.97	39.74	0.70	12672.80	481.00	23000.00	0.09	39.62	27.69	B=45.63 Al=.12 Li=14.19
UTE TRIBAL 26-01 SWD	*	(S)16373	WA-296324	BEFORE FILTERS	12/18/2014	0.00	7198.00	0.01	140.00	8.70	1.028	46864.93	78.59	0.76	6.75	39.23	0.75	12542.70	895.00	22000.00	0.04	4031.00	27.24	B=45.47 Al=.08 Li=14.28
UTE TRIBAL 26-01 SWD	*	(S)16373	WA-287425	Wellhead	9/17/2014	240.00	2562.00	0.00	5.00	8.40	1.0227	36457.08	138.32	7.31	5.53	42.94	0.45	14504.30	41.00	19000.00	0.12	91.84	43.38	B=24.4 Al=1.14 Li=9.35

Figure G2 Representative Injection Water Analysis

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Units of Measurement: **Standard**

Water Analysis Report

Production Company: **FINLEY RESOURCES**
Well Name: **UTE TRIBAL 13-11A-4-1**
Sample Point: **Treater**
Sample Date: **3/11/2013**
Sample ID: **WA-236479**

Sales Rep: **James Patry**
Lab Tech: **Layne Wilkerson**

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	3/20/2013
System Temperature 1 (°F):	60.00
System Pressure 1 (psig):	1300.0000
System Temperature 2 (°F):	180.00
System Pressure 2 (psig):	14.7000
Calculated Density (g/ml):	1.029
pH:	8.20
Calculated TDS (mg/L):	47398.56
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	80.00
H_2S in Gas (%):	
H2S in Water (mg/L):	15.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	17728.25	Chloride (Cl):	27000.00
Potassium (K):	106.00	Sulfate (SO_4):	557.00
Magnesium (Mg):	73.00	Bicarbonate (HCO_3):	1512.80
Calcium (Ca):	339.00	Carbonate (CO_3):	
Strontium (Sr):	46.00	Acetic Acid (CH_3COO)	
Barium (Ba):	1.70	Propionic Acid (C_2H_5COO)	
Iron (Fe):	2.70	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.10	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.09	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.42	Silica (SiO_2):	31.50

Notes:
B=20 Al=.13

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4 2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
180.00	14.00	2.15	218.20	0.39	0.60	2.89	1.49	1.96	1.94	0.00	0.00	0.00	0.00	0.00	0.00	8.37	0.05
166.00	157.00	2.05	183.43	0.43	0.63	2.86	1.49	1.86	1.93	0.00	0.00	0.00	0.00	0.00	0.00	8.48	0.05
153.00	300.00	2.00	174.08	0.48	0.67	2.89	1.49	1.80	1.93	0.00	0.00	0.00	0.00	0.00	0.00	8.64	0.05
140.00	443.00	1.96	165.07	0.53	0.72	2.93	1.49	1.74	1.93	0.00	0.00	0.00	0.00	0.00	0.00	8.83	0.05
126.00	585.00	1.91	156.39	0.60	0.76	2.98	1.49	1.68	1.92	0.00	0.00	0.00	0.00	0.00	0.00	9.02	0.05
113.00	728.00	1.87	148.11	0.67	0.80	3.05	1.49	1.61	1.91	0.00	0.00	0.00	0.00	0.00	0.00	9.24	0.05
100.00	871.00	1.83	140.31	0.76	0.83	3.13	1.49	1.54	1.90	0.00	0.00	0.00	0.00	0.00	0.00	9.47	0.05
86.00	1014.00	1.80	133.02	0.85	0.87	3.22	1.49	1.46	1.89	0.00	0.00	0.00	0.00	0.00	0.00	9.72	0.05
73.00	1157.00	1.77	126.29	0.96	0.90	3.34	1.49	1.39	1.88	0.00	0.00	0.00	0.00	0.00	0.00	9.99	0.05
60.00	1300.00	1.74	120.05	1.08	0.93	3.47	1.49	1.31	1.86	0.00	0.00	0.00	0.00	0.00	0.00	10.29	0.05

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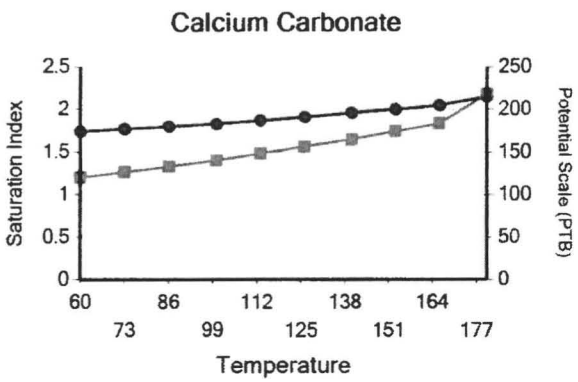
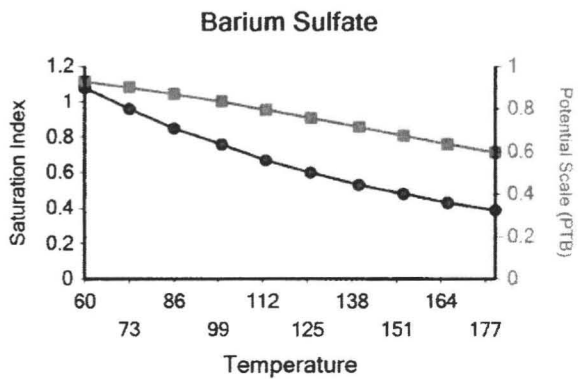
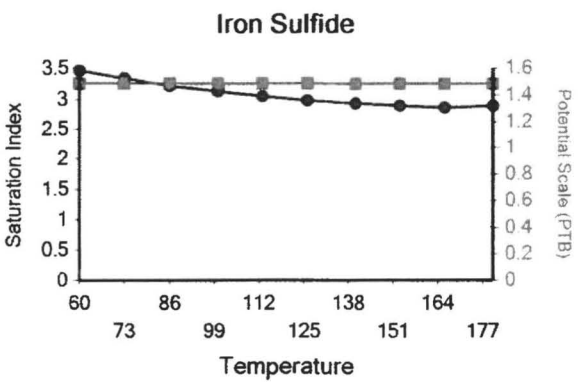
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
180.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.04	9.60	0.04	6.07	37.45	3.59	18.98	8.37	2.10
166.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.02	9.81	0.04	5.28	34.53	3.11	17.74	7.77	2.09
153.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	10.09	0.04	4.77	32.19	2.82	16.88	7.46	2.09
140.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.40	0.04	4.25	29.29	2.53	15.82	7.14	2.09
126.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.72	0.04	3.72	26.06	2.24	14.55	6.82	2.09
113.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.07	0.04	3.19	22.67	1.95	13.13	6.51	2.09
100.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.45	0.04	2.66	19.24	1.66	11.57	6.21	2.08
86.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.86	0.04	2.12	15.77	1.37	9.92	5.91	2.08
73.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.31	0.04	1.59	12.25	1.09	8.19	5.63	2.07
60.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.79	0.04	1.07	8.63	0.82	6.42	5.37	2.06

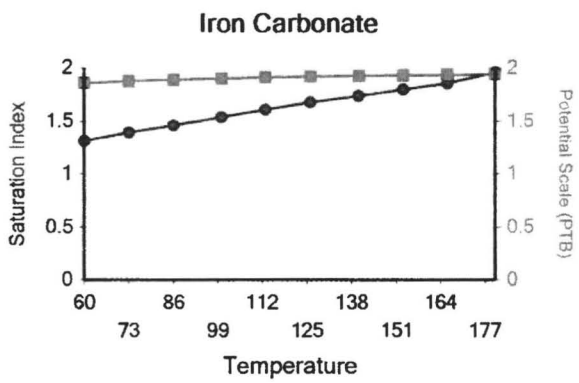
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate









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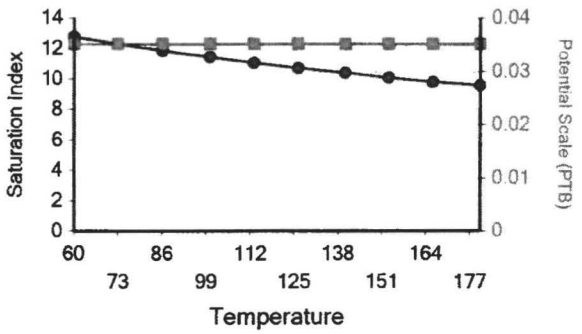
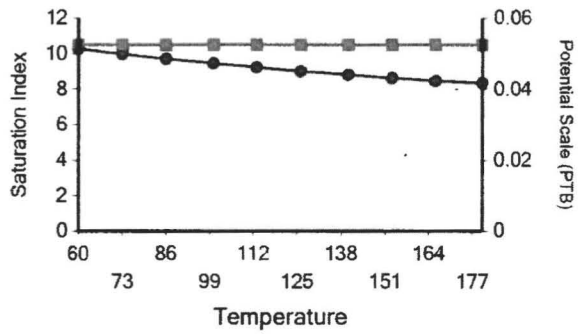
Water Analysis Report

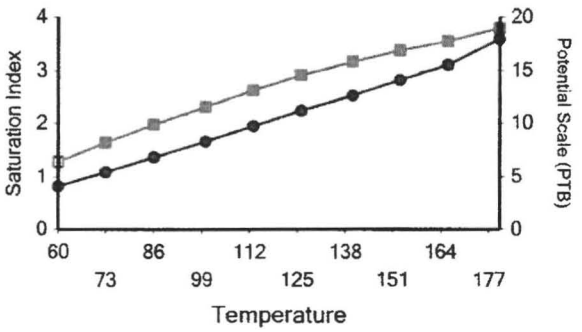
Lead Sulfide



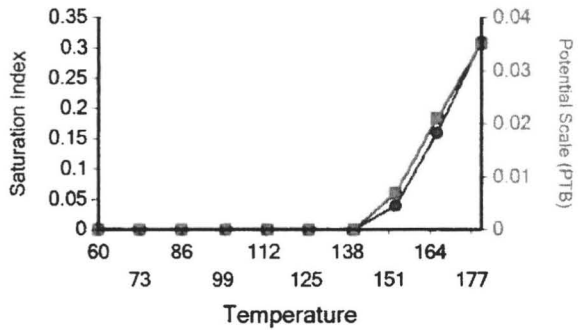
Zinc Sulfide



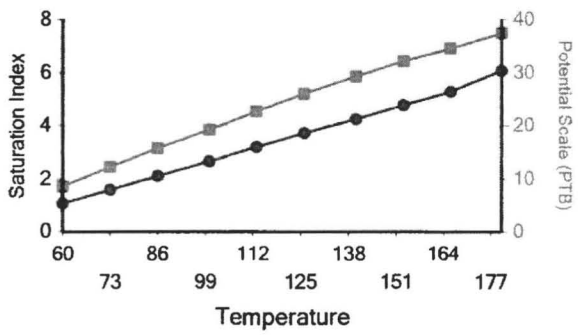
Ca Mg Silicate



Zinc Carbonate



Mg Silicate



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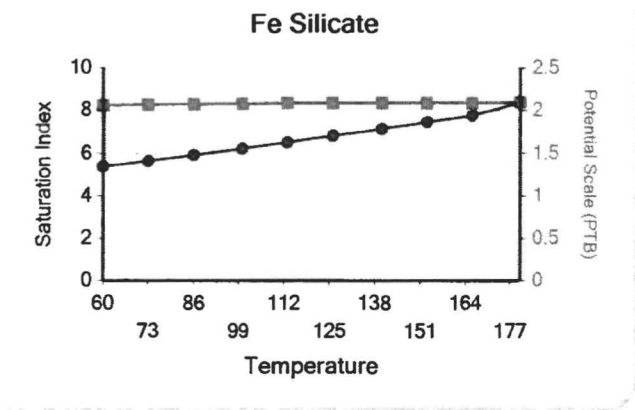
Water Analysis Report



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Units of Measurement: **Standard**

Water Analysis Report

Production Company:	**FINLEY RESOURCES**	Sales Rep:	**James Patry**
Well Name:	**UTE TRIBAL 13-08A**	Lab Tech:	**Layne Wilkerson**
Sample Point:	**Well**		
Sample Date:	**3/18/2013**		
Sample ID:	**WA-237681**		

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	**3/27/2013**
System Temperature 1 (°F):	**60.00**
System Pressure 1 (psig):	**1300.0000**
System Temperature 2 (°F):	**190.00**
System Pressure 2 (psig):	**14.7000**
Calculated Density (g/ml):	**1.032**
pH:	**8.10**
Calculated TDS (mg/L):	**51321.78**
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	**80.00**
H_2S in Gas (%):	
H2S in Water (mg/L):	**8.00**

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	**18406.46**	Chloride (Cl):	**29000.00**
Potassium (K):	**63.00**	Sulfate (SO_4):	**4.00**
Magnesium (Mg):	**76.00**	Bicarbonate (HCO_3):	**2562.00**
Calcium (Ca):	**643.00**	Carbonate (CO_3):	
Strontium (Sr):		Acetic Acid (CH_3COO)	
Barium (Ba):	**40.00**	Propionic Acid (C_2H_5COO)	
Iron (Fe):	**523.00**	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	**0.40**	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	**0.02**	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	**3.90**	Silica (SiO_2):	

Notes:

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
190.00	14.00	2.67	485.87	0.00	0.00	4.86	7.25	4.53	380.13	0.00	0.00	0.00	0.00	0.00	0.00	8.48	0.21
175.00	157.00	2.55	426.70	0.00	0.00	4.81	7.25	4.41	379.79	0.00	0.00	0.00	0.00	0.00	0.00	8.57	0.21
161.00	300.00	2.49	411.47	0.00	0.00	4.83	7.25	4.35	379.63	0.00	0.00	0.00	0.00	0.00	0.00	8.75	0.21
146.00	443.00	2.44	396.64	0.00	0.00	4.86	7.25	4.28	379.43	0.00	0.00	0.00	0.00	0.00	0.00	8.93	0.21
132.00	585.00	2.39	381.83	0.00	0.00	4.91	7.25	4.21	379.17	0.00	0.00	0.00	0.00	0.00	0.00	9.14	0.21
117.00	728.00	2.34	367.22	0.00	0.00	4.98	7.25	4.14	378.82	0.00	0.00	0.00	0.00	0.00	0.00	9.36	0.21
103.00	871.00	2.30	352.93	0.00	0.00	5.06	7.25	4.06	378.36	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.21
88.00	1014.00	2.26	339.09	0.01	0.08	5.15	7.25	3.98	377.74	0.00	0.00	0.00	0.00	0.00	0.00	9.87	0.21
74.00	1157.00	2.22	325.80	0.13	0.78	5.27	7.25	3.89	376.91	0.00	0.00	0.00	0.00	0.00	0.00	10.16	0.21
60.00	1300.00	2.19	313.02	0.26	1.41	5.42	7.25	3.80	375.81	0.00	0.00	0.00	0.00	0.00	0.00	10.48	0.21

		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
190.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.25	8.38	0.01	0.00	0.00	0.00	0.00	0.00	0.00
175.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.24	8.59	0.01	0.00	0.00	0.00	0.00	0.00	0.00
161.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.23	8.87	0.01	0.00	0.00	0.00	0.00	0.00	0.00
146.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.22	9.19	0.01	0.00	0.00	0.00	0.00	0.00	0.00
132.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.20	9.52	0.01	0.00	0.00	0.00	0.00	0.00	0.00
117.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.16	9.89	0.01	0.00	0.00	0.00	0.00	0.00	0.00
103.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.11	10.29	0.01	0.00	0.00	0.00	0.00	0.00	0.00
88.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.02	10.72	0.01	0.00	0.00	0.00	0.00	0.00	0.00
74.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00
60.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.72	0.01	0.00	0.00	0.00	0.00	0.00	0.00

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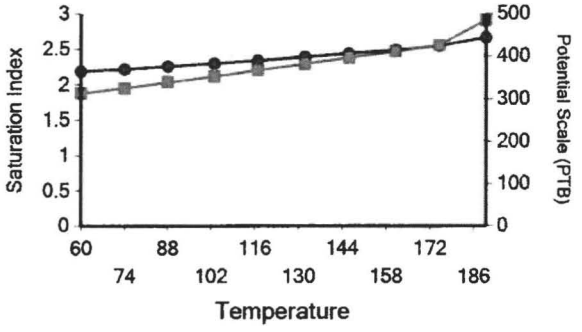
Water Analysis Report

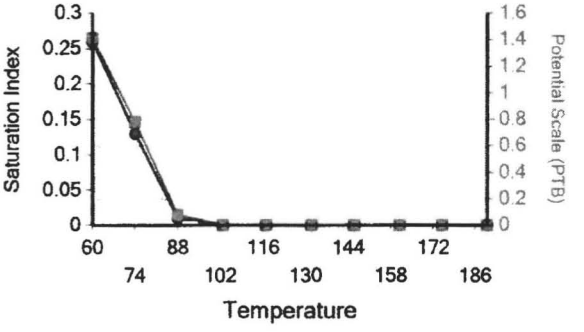
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Lead Sulfide

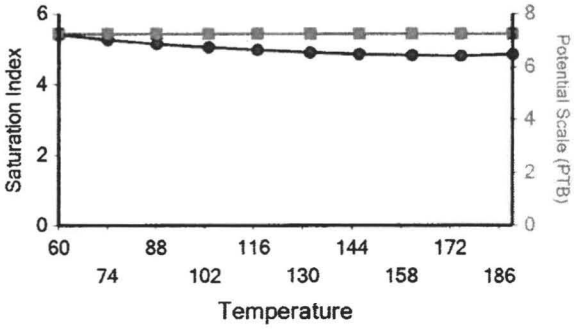
Calcium Carbonate



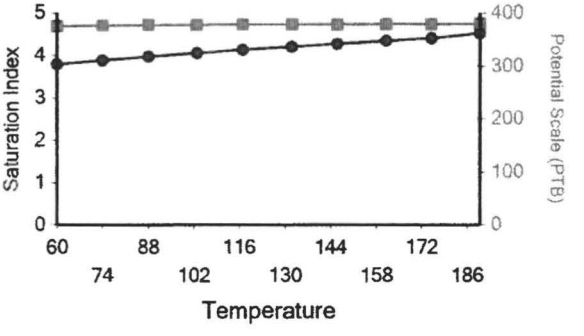
Barium Sulfate



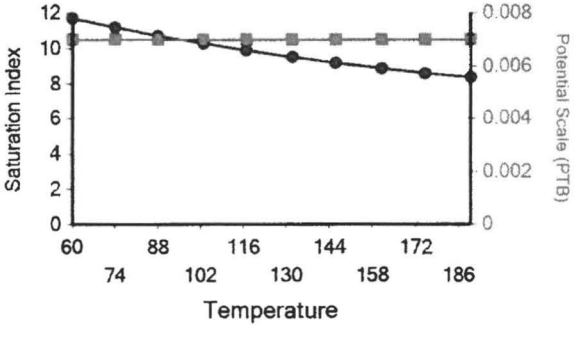
Iron Sulfide



Iron Carbonate



Lead Sulfide



Zinc Sulfide

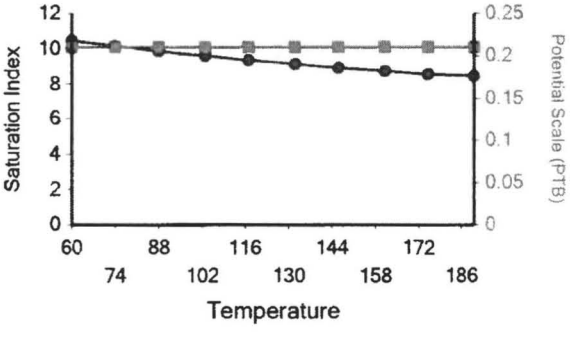


Figure G3 Representative Formation Water Analysis and Compatibility

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Units of Measurement: **Standard**

Water Analysis Report

Production Company:	**FINLEY RESOURCES-EBUS**	Sales Rep:	**James Patry**
Well Name:	**UTE 13-1 SWD,UINTAH**	Lab Tech:	**Gary Winegar**
Sample Point:	**Rig-Last Swab Run**		
Sample Date:	**1/27/2015**		
Sample ID:	**WA-298864**		

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	1/28/2015
System Temperature 1 (°F):	190
System Pressure 1 (psig):	1300
System Temperature 2 (°F):	60
System Pressure 2 (psig):	15
Calculated Density (g/ml):	1.0971
pH:	9.20
Calculated TDS (mg/L):	177851.53
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	0.00
H_2S in Gas (%):	
H2S in Water (mg/L):	0.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	39722.90	Chloride (Cl):	120000.00
Potassium (K):	732.80	Sulfate (SO_4):	168.00
Magnesium (Mg):	80.06	Bicarbonate (HCO_3):	17080.00
Calcium (Ca):	1.96	Carbonate (CO_3):	
Strontium (Sr):	0.32	Acetic Acid (CH_3COO)	
Barium (Ba):	0.19	Propionic Acid (C_2H_5COO)	
Iron (Fe):	38.63	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	1.27	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	1.46	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.19	Silica (SiO_2):	23.75

Notes:
B=93.72 Al=.74 Li=.31

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum $CaSO_4 \cdot 2H_2O$		Celestite $SrSO_4$		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	14.00	1.55	1.67	0.00	0.00	0.00	0.00	4.38	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.00	157.00	1.57	1.67	0.00	0.00	0.00	0.00	4.44	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.00	300.00	1.58	1.67	0.00	0.00	0.00	0.00	4.49	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103.00	443.00	1.59	1.67	0.00	0.00	0.00	0.00	4.53	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.00	585.00	1.59	1.67	0.00	0.00	0.00	0.00	4.57	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.00	728.00	1.60	1.67	0.00	0.00	0.00	0.00	4.59	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146.00	871.00	1.60	1.67	0.00	0.00	0.00	0.00	4.61	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161.00	1014.00	1.61	1.67	0.00	0.00	0.00	0.00	4.62	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.00	1157.00	1.62	1.68	0.00	0.00	0.00	0.00	4.63	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	1300.00	1.62	1.68	0.00	0.00	0.00	0.00	4.63	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

		Hemihydrate $CaSO_4 \sim 0.5H_2O$		Anhydrate $CaSO_4$		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.80	0.00	0.00	9.59	28.80	3.90	3.71	16.56	25.75
74.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.82	0.00	0.00	9.94	28.80	4.03	3.71	16.63	25.75
88.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.83	0.00	0.00	10.28	28.80	4.16	3.71	16.72	25.75
103.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.84	0.00	0.00	10.63	28.80	4.29	3.71	16.82	25.75
117.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.84	0.00	0.00	10.97	28.80	4.43	3.71	16.93	25.75
132.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04	0.84	0.00	0.00	11.31	28.80	4.57	3.71	17.04	25.75
146.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	0.85	0.00	0.00	11.65	28.80	4.72	3.71	17.15	25.75
161.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.85	0.00	0.00	11.97	28.80	4.87	3.71	17.26	25.75
175.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	2.31	0.85	0.00	0.00	12.30	28.80	5.01	3.71	17.37	25.75
190.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	2.37	0.85	0.00	0.00	12.61	28.80	5.16	3.71	17.48	25.75

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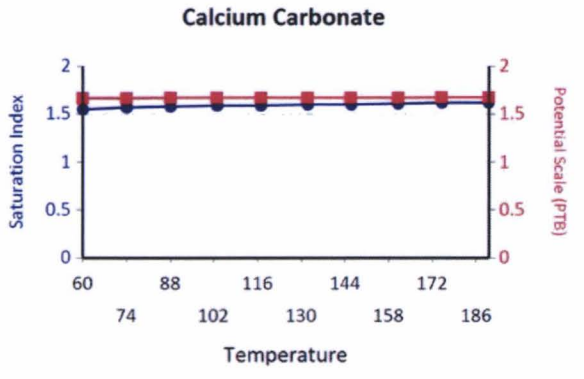
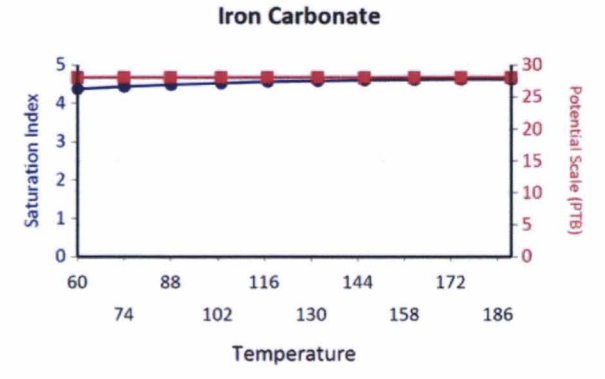
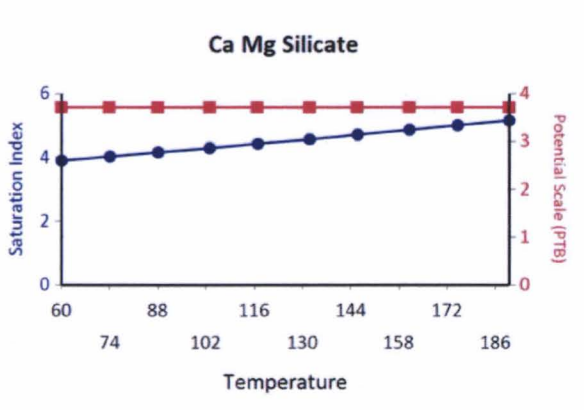
Water Analysis Report

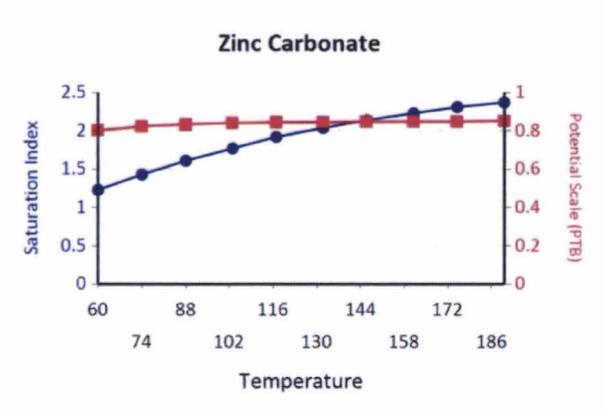
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

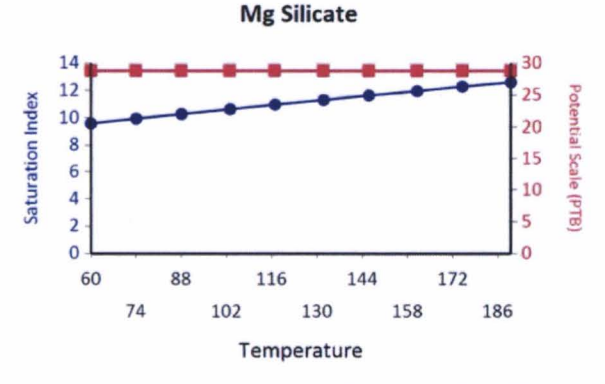
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate











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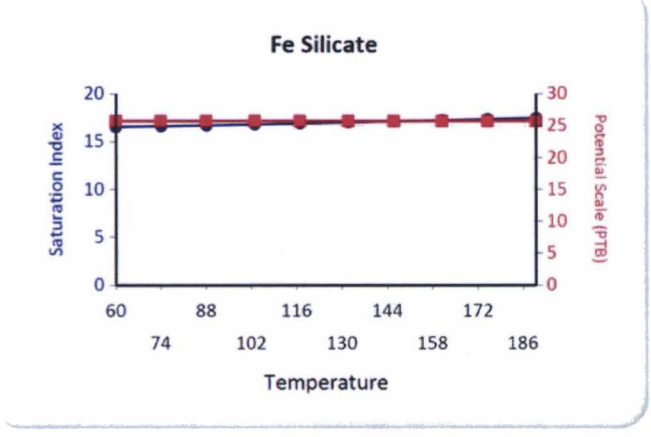
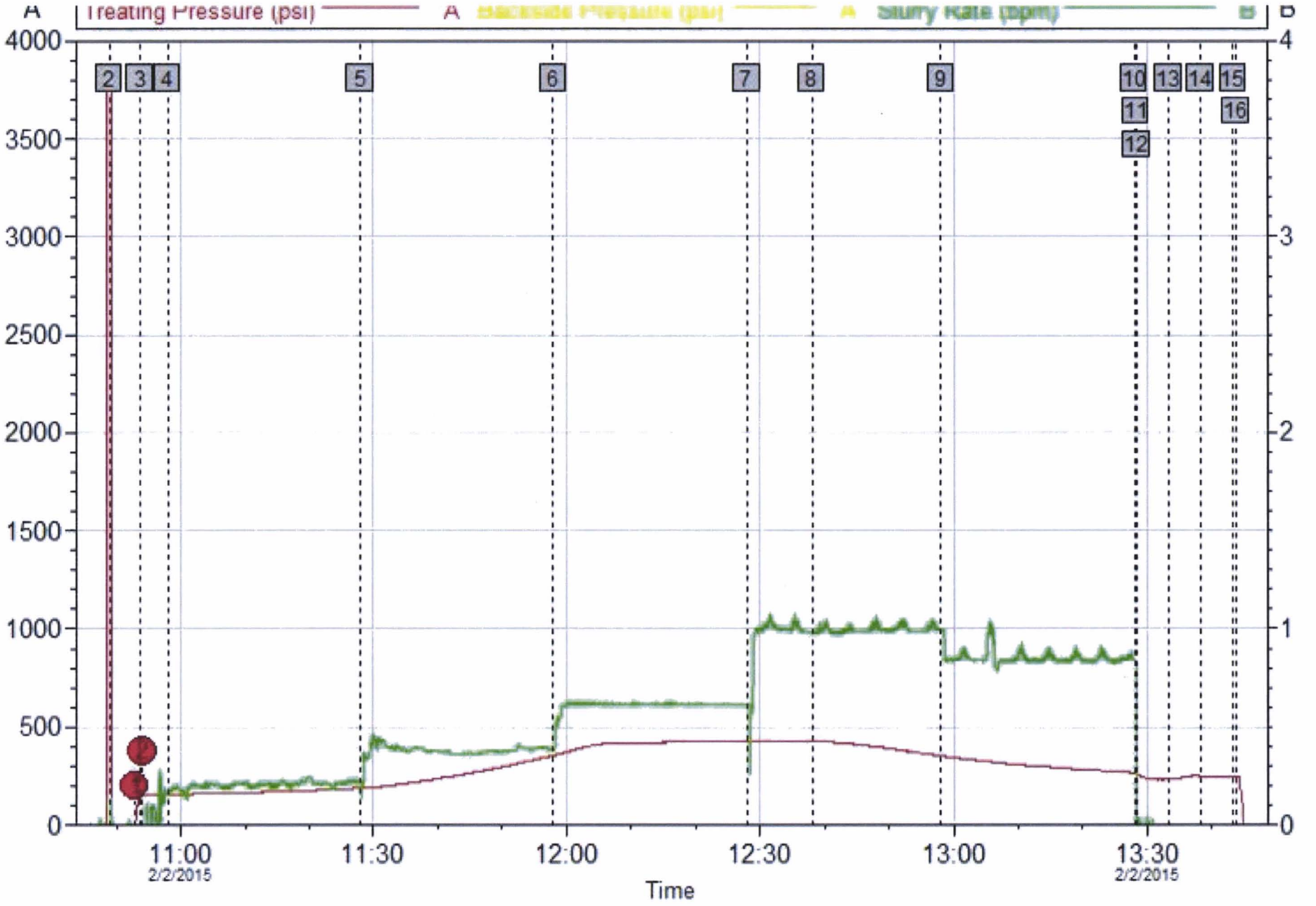
Water Analysis Report

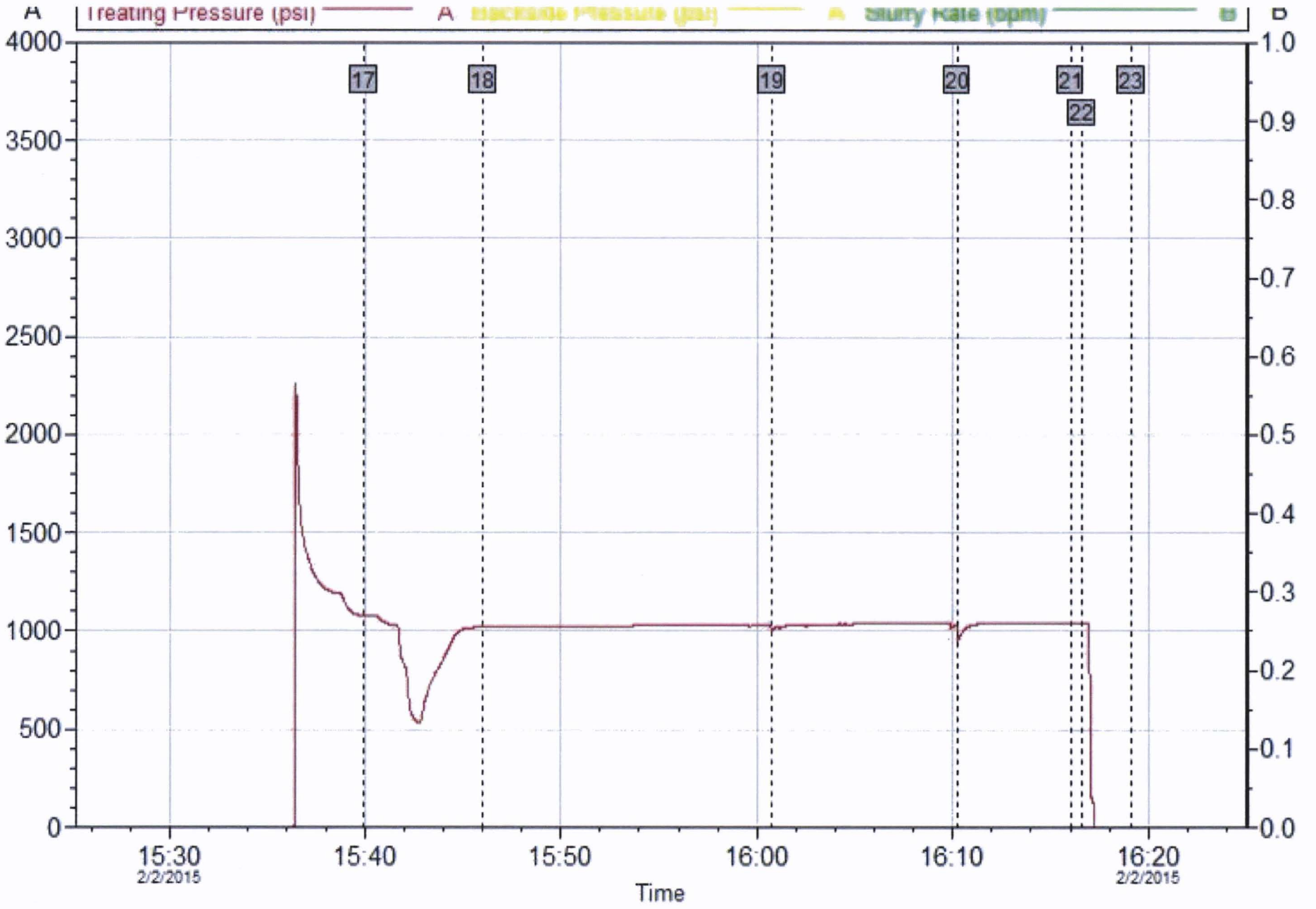




Customer: FINLEY RESOURCES INC - EBUS	Job Date: 02-Feb-2015	Sales Order #: 0902095959
Well Description: Ute 13-1 -4-1 SWD	UWI:	

INSITE for Stimulation v4.5.1
02-Feb-15 16:21

Figure G4 Step Rate Test



Customer: FINLEY RESOURCES INC - EBUS	Job Date: 02-Feb-2015	Sales Order #: 0902095959
Well Description: Ute 13-1 -4-1 SWD	UWI:	

INSITE for Stimulation v4.5.1
02-Feb-15 16:23

HALLIBURTON JOB LOG

TICKET # 9.02E+08	TICKET DATE February 2, 2015		
REGION NORTH AMERICA	NWA / COUNTRY ROCKY MOUNTAIN / USA	BDA / STATE Utah	COUNTY Duchesne
MBU ID / EMPL # 0	H.E.S EMPLOYEE NAME 0	PSL DEPARTMENT PRODUCTION ENHANCMENT	
LOCATION VERNAL UT.	COMPANY Finley	CUSTOMER REP / PHONE 0	
TICKET AMOUNT $0.00	WELL TYPE 00	WELL CATEGORY 00	API/UWI # 0
WELL LOCATION LAND	DEPARTMENT 5005	JOB PURPOSE CODE 0	
LEASE Ute	WELL # 13-1-4-1 SWD	SEC / TWP / RNG 0	

Chart No.	Time	Rate bpm	Volume bbl	Pmps T	Pmps C	Press.(PSI) Tbg	Press.(PSI) Csg	Job Description / Remarks
	0500							CALLED OUT
	0900							ON LOCATION
	0905							PRE RIG UP SAFETY HUDDLE
	0910							RIG UP
	0820							PRE JOB SAFETY MEETING
	10:48	0.0	0			3,806		Pressure Test
	10:52	0.0	0			3		Start Job
	10:53	0.0	0			142		Open Well
	10:54	0.0	0			150		Pump-In
	10:58	0.2	0			157		Injection Rate Start 0.2
	11:28	0.2	6			188		Injection Rate End 0.2. Increase Rate to 0.4
	11:58	0.4	18			354		Injection Rate end 0.4 step increase rate to 0.6
	12:28	0.6	36			427		Injection Rate end 0.6 step increase rate to 1.0
	12:38	1.0	46			428		Break Formation
	12:58	1.0	66			353		Injection Rate end 1.0 step decrease rate to 0.85
	13:28	0.8	91			265		Injection Rate end
	13:28	0.8	92			265		Shutdown
	13:28	0.3	92			264		ISIP
	13:33	0.0	92			233		Shut-In Pressure @ 5 Minutes
	13:38	0.0	92			248		Shut-In Pressure @ 10 Minutes
	13:43	0.0	92			246		Shut-In Pressure @ 15 Minutes
	13:43	0.0	92			247		Shut In Well
	15:39	0.0	92			1,076		Open Well
	15:46	0.0	92			1,020		MIT Pressure Test Start
	16:00	0.0	92			1,011		Dropped parts in bed of truckcable
	16:10	0.0	92			1,032		Dropped parts in bed of truck
	16:16	0.0	92			1,044		MIT EndPressure Test
	16:16	0.0	92			1,044		Shut In Well
	16:19							Ending Job
								ALL RATES AND PRESSURES DIRECTED BY CUSTOMER REP.
								SUMMARY

HHP	5		FG.	0.51	
AVG RT.	0.7	BPM	MAX RT.	1.1	BPM
AVG PRESS.	300	PSI	MAX PRESS.	428	PSI
TOTAL LOAD	3,864	GAL		92.0	BBL

HALLIBURTON
JOB SUMMARY

TICKET #	TICKET DATE
902095959	February 2, 2015

REGION	NWA / COUNTRY	BDA / STATE	COUNTY
NORTH AMERICAN	ROCKY MOUNTAIN / USA	Utah	Duchesne

MBU ID / EMPL #	H.E.S EMPLOYEE NAME / EMPLOYEE #	PSL DEPARTMENT
		PRODUCTION ENHANCMENT

LOCATION	COMPANY	CUSTOMER REP / PHONE
VERNAL UT.	Finley	

TICKET AMOUNT	WELL TYPE	WELL CATEGORY	API/UWI #

WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE
LAND	5005	

LEASE	WELL #	SEC / TWP / RNG
Ute	13-1-4-1 SWI	

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS	HRS
	8.0			
Merrell, Brandon / 244956	8.0			
	8.0			
	8.0			
	8.0			
	8.0			
	8.0			
	8.0			

H.E.S. UNIT #S / (R / T MILES)	R / T MILES	R / T MILES	R / T MILES	R / T MILES
	70			
12251192	70			
	70			
	70			
	70			
	70			
	70			
	70			

Form. Name _____ Type: _____
Form. Thickness 328 From 3,238 To 3,566
Packer Type _____ Set At 3,177
Bottom Hole Temp. _____ Pressure 1,739
Misc. Data _____ Total Depth _____

	Called Out	On Location	Job Started	Job Completed
Date	2/2/2015	2/2/2015	2/2/2015	11/19/2014
Time	0500	0900	1052	1617

Materials

Treat. Fluid		Density		Lb/Gal		
Disp. Fluid		Density	8.34	Lb/Gal		
Prop. Type		Sz		Lb.		
Prop. Type		Sz		Lb.		
Acid Type		Gal.		%		
Acid Type		Gal.		%		
Surfactant		Gal.		In		
Surfactant		Gal.		In		
Fluid Loss		Gal/Lb		In		
Gelling Agent		Gal		In		
Breaker		Gal/Lb		In		
Breaker		Gal/Lb		In		
INHIBITOR		Gal/Lb		In		
Bioballs		Qty.				
Biocide		Gal/Lb		In		
Cross-linker		Gal/Lb		In		
Cross-linker		Gal/Lb		In		
Clay Contol		Gal/Lb		In		
Clay Contol		Gal/Lb		In		
Buffer		Gal/Lb		In		
Buffer		Gal/Lb		In		
Buffer		Gal/Lb		In		
Foamer		Gal/Lb		In		
Catalyst		Gal/Lb		In		
Other		Gal/Lb		In		
Other		Gal/Lb		In		
Other		Gal/Lb		In		
Other		Gal/Lb		In		
Other		Gal/Lb		In		

Well Data

	New/Used	Weight	Size	From	To	Max. Allow
Casing		23.00	7.000	0	3,820	
Casing						
Liner						
Tbg. / D.P.		12.75	4.500	0	3,198	
Tbg. / D.P.						
Tbg. / D.P.						
Perforations						Shots/Ft.
Perforations				3238	3,566	
Perforations						
Perforations						
Perforations						
Perforations						
Perforations						
Perforations						

Hours On Location

Date	Hours
	8.0
Total	8.0

Operating Hours

Date	Hours
	8.00
Total	8.00

Description of Job

Job Leaders

MBU LDR.	
TEAM LDR.	Merrell, Brandon / 244956
ENG.	Merrell, Brandon / 244956

Treating Personnel

VAN	Merrell, Brandon / 244956
SAFTEY	
DRIVER	Merrell, Brandon / 244956

Hydraulic Horsepower

Ordered 500 Avail. 500 Used 5

Rates in BPM

Max. Rate 1.1 Avg. Rate 0.7

Summary

Pressures

Circulating		Displacement					
Breakdown	428	Maximum	428				
Average	300	Frac. Gradient	0.51				
Shut In: Instant	264	5 Min.	233	15 Min.	246		

Volumes

Preflush:	Gal - BBl		Type:		
Load & Bkdn:	Gal - BBl		Pad:Bbl -Gal		
Treatment:	Gal - BBl		Disp:Bbl-Gal		
Total Volume	Gal - BBl	3,864	Gal	92.0	BBL

INSPECTION FORM

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: UE 13-1 SWD API Number: 43-047-54256

Qtr/Qtr: SWSW Section: 13 Township: 4S Range: 1E

Company Name: Finley Resources, Inc.

Lease: State _____ Fee: Surface Federal _____ Indian _____

Inspector: Chris Jensen Date: 2/2/2015

Initial Conditions:

Tubing - Rate: 0 Pressure: 300# psi

Casing/Tubing Annulus - Pressure: 10 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	1020	300
5	1020	300
10	1020	"
15	1020	"
20	1020	"
25	1020	"
30	1020	300 #

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 300# psi

Casing/Tubing Annulus Pressure: _____ psi

COMMENTS:

Witness C Jensen

Operator Representative

James A. Simonton 435-630-1023

Figure H1 Plugging & Abandonment (P&A) Procedure, P&A Wellbore Diagram

P&A Procedure

Ute Tribal 13-1C
Leland Bench Field – Uintah County, Utah

Date: 3-5-2014

AFE No.:

AFE Cost: $ Est. Cost to date : $

Purpose: P&A injection well.

Elevation: GL 5103' KB 5115' TD: 3789' PBTD: 3700'.

	OD, IN	ID, IN	WT., #/FT	GRADE	DEPTH, FT.	CMT, SKS.	EST. TOC, FT	CAP., BBL/FT	BURST, PSI	COLLAPSE, PSI
Surface	9 5/8"	8.75	36#	J-55, STC	358'		surf			
Production	7 "	6.366	23	N80, LTC	3789'	545	surf	0.0394	6340	3830
Tubing										

Safety Considerations. **Notify all agencies of P&A.**

Procedure:

1. MIRU CU. Kill well, ND WH, NU BOP, test same. Release pkr. Strap OOH w/ tbg, rack back tbg, LD pkr.

2. PU cmt retainer and tbg, TIH, set retainer at +/- 3100'.

3. RU cmt/pump truck, establish injection rate. Sqz perfs w/75 sx cmt, sting out of retainer and spot 10' cmt on top. TOOH (PLUG #1).

4. POOH w/ tbg to +/- 1000', spot 25 sx balanced plug inside 7" csg 1,003'-803', wait 24 hrs, tag plug (PLUG #2).

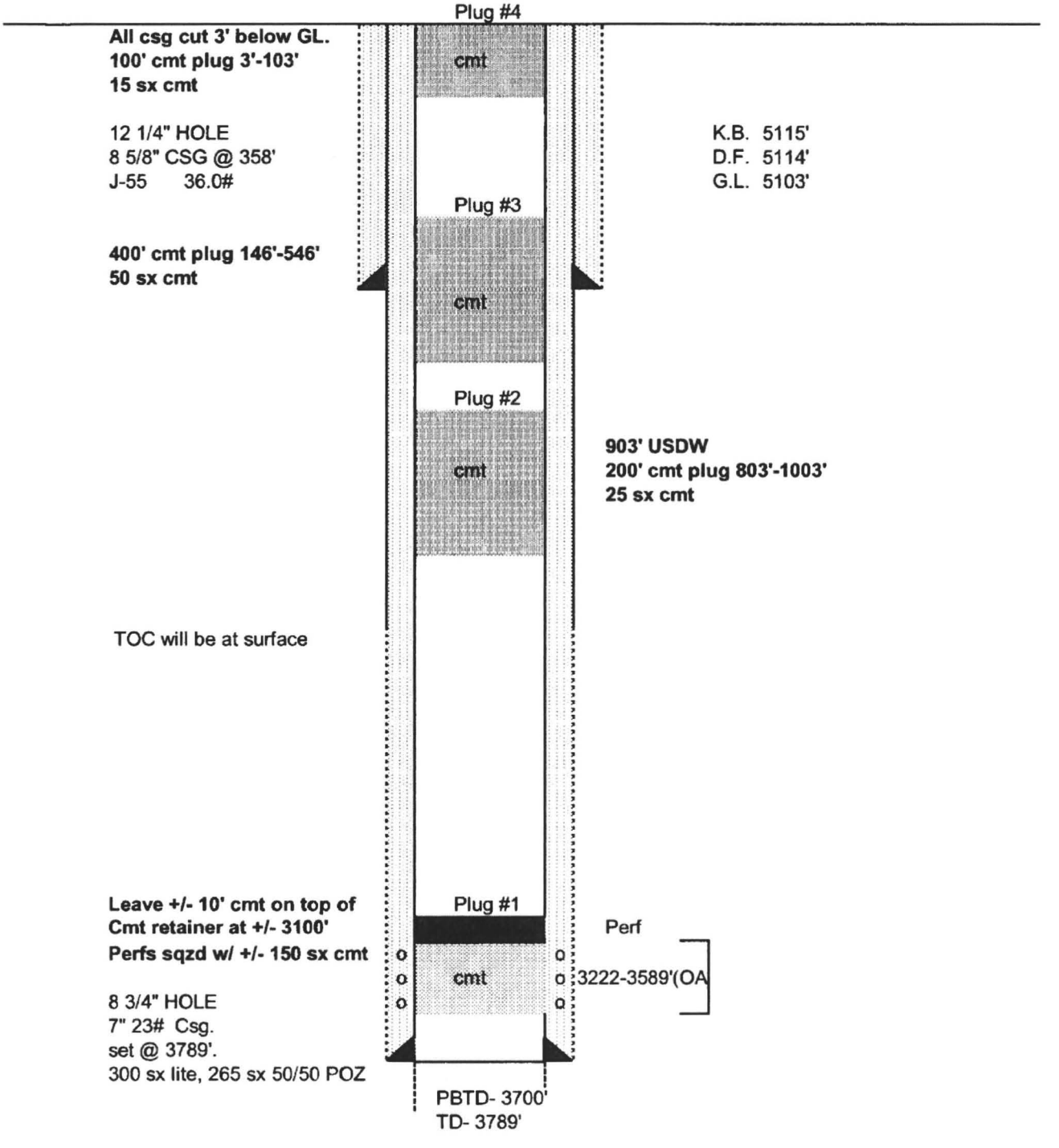
5. POOH w/ tbg to +/- 546', spot 50 sx balanced plug inside 7" csg 546'-146', wait 24 hrs, tag plug (PLUG#3).

6. POOH w/tbg to +/- 103', spot 20 sx cmt plug 103'-3'. Cut off csg 3' below GL (PLUG #4).

LCO 3/5/14.

Finley Resources, Inc.

Ute 13-1 SWD
Uintah County, Utah
P&A Schematic



[redacted]

Mark Reinbold <markreinbold@utah.gov>

Ute 26-1 SWD Birds Nest water sample

Clay O'Neil <Clay@finleyresources.com> Mon, Mar 16, 2015 at 7:11 AM
To: "Mark Reinbold (markreinbold@utah.gov)" <markreinbold@utah.gov>
Cc: "starpoint@etv.net" <starpoint@etv.net>

Mark,

Attached is the water sample analysis done by MultiChem on the Birds Nest sample from the Ute 26-1 SWD located +/- 1.5 miles S by SW of our 13-1 SWD. This well was granted a permit by the EPA on 10/8/2014(#UT20780-04280). As you can see the chlorides and TDS are in the same ballpark as the water sample we submitted for the 13-1 SWD. If you require anything further, please let me know.

Thanks

Clay O'Neil

Operations Manager- Mid Continent Division

Finley Resources, Inc.

817-713-9514

2010663-1 Finley Ute Tribal 26-1-4-1SWD.pdf
91K

HALLIBURTON

VERNAL DISTRICT LABORATORY
WATER ANALYSIS REPORT

Company:	**Finley**	**Water Type:**	**Produced**
Well Name:	**Ute Tribal**	**Project No.:**	**2010663-1**
Well Number:	**26-1-4-1SWD**	**Date Tested:**	**14-Nov-2014**
Formation:	**Bird's Nest**		
Perforations:	**2964' - 3318'**		

	Units	Result
Specific Gravity	~	**1.086**
Temperature	°F	**68**
pH	~	**7.72**
Resistivity	Ω*m	**0.092**
Chloride (Cl)	mg/L	**74700.00**
Calcium (Ca)	mg/L	**560.03**
Magnesium (Mg)	mg/L	**243.18**
Iron (Fe)	mg/L	**0.27**
Potassium (K)	mg/L	**7500.00**
Bicarbonate (HCO3)	mg/L	**16592.00**
Carbonate (CO3)	mg/L	**0.00**
Hydroxides (OH)*	mg/L	**0.0089217**
Sulfate (SO4)	mg/L	**650.00**
Sodium (Na)*	mg/L	**49458.34**
Total Dissolved Solids (TDS)*	mg/L	**149703.82**

*Sodium & TDS are calculated

Test Comments

Figure G3 Representative Formation Water Analysis and Compatibility

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

multi-chem
A HALLIBURTON SERVICE

Units of Measurement: **Standard**

Water Analysis Report

Production Company:	**FINLEY RESOURCES-EBUS**	Sales Rep:	**James Patry**
Well Name:	**UTE 13-1 SWD,UINTAH**	Lab Tech:	**Gary Winegar**
Sample Point:	**Rig-Last Swab Run**		
Sample Date:	**1/27/2015**		
Sample ID:	**WA-298864**		

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	1/28/2015
System Temperature 1 (°F):	190
System Pressure 1 (psig):	1300
System Temperature 2 (°F):	60
System Pressure 2 (psig):	15
Calculated Density (g/ml):	1.0971
pH:	9.20
Calculated TDS (mg/L):	177851.53
CO2 in Gas (%):	
Dissolved CO2 (mg/L)):	0.00
H2S in Gas (%):	
H2S in Water (mg/L):	0.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	39722.90	Chloride (Cl):	120000.00
Potassium (K):	732.80	Sulfate (SO_4):	168.00
Magnesium (Mg):	80.06	Bicarbonate (HCO_3):	17080.00
Calcium (Ca):	1.96	Carbonate (CO_3):	
Strontium (Sr):	0.32	Acetic Acid (CH_3COO)	
Barium (Ba):	0.19	Propionic Acid (C_2H_5COO)	
Iron (Fe):	38.63	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	1.27	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	1.46	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.19	Silica (SiO_2):	23.75

Notes:
B=93.72 Al=.74 Li=.31

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	14.00	1.55	1.67	0.00	0.00	0.00	0.00	4.38	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.00	157.00	1.57	1.67	0.00	0.00	0.00	0.00	4.44	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.00	300.00	1.58	1.67	0.00	0.00	0.00	0.00	4.49	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103.00	443.00	1.59	1.67	0.00	0.00	0.00	0.00	4.53	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.00	585.00	1.59	1.67	0.00	0.00	0.00	0.00	4.57	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.00	728.00	1.60	1.67	0.00	0.00	0.00	0.00	4.59	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146.00	871.00	1.60	1.67	0.00	0.00	0.00	0.00	4.61	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161.00	1014.00	1.61	1.67	0.00	0.00	0.00	0.00	4.62	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.00	1157.00	1.62	1.68	0.00	0.00	0.00	0.00	4.63	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	1300.00	1.62	1.68	0.00	0.00	0.00	0.00	4.63	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.80	0.00	0.00	9.59	28.80	3.90	3.71	16.56	25.75
74.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.82	0.00	0.00	9.94	28.80	4.03	3.71	16.63	25.75
88.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.83	0.00	0.00	10.28	28.80	4.16	3.71	16.72	25.75
103.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.84	0.00	0.00	10.63	28.80	4.29	3.71	16.82	25.75
117.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.84	0.00	0.00	10.97	28.80	4.43	3.71	16.93	25.75
132.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04	0.84	0.00	0.00	11.31	28.80	4.57	3.71	17.04	25.75
146.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	0.85	0.00	0.00	11.65	28.80	4.72	3.71	17.15	25.75
161.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.85	0.00	0.00	11.97	28.80	4.87	3.71	17.26	25.75
175.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	2.31	0.85	0.00	0.00	12.30	28.80	5.01	3.71	17.37	25.75
190.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	2.37	0.85	0.00	0.00	12.61	28.80	5.16	3.71	17.48	25.75

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT STATEMENT OF BASIS

Applicant: Finley Resources, Inc. **Well:** Ute 13-1 SWD

Location: Sec 13, T4S, R1E, Uintah Co., UT **API:** 43-047-54256

Ownership Issues:

Within the one-half (1/2) mile radius Area of Review (AOR), all the surface is in private ownership. The proposed injection well is located on surface privately owned by Uintah Partner LLC. Other surface owners within the AOR include Salradus LLC, Coleman Mountain Holdings LLC, and Coleman Family Trusts. Mineral rights are owned by the Ute Tribe. Finley Resources and Newfield are the operators within the AOR. An affidavit of notification of operators, mineral owners, and surface owners located within a one-half (1/2) mile radius has been provided.

Well Integrity:

The Ute 13-1 SWD well has been constructed specifically for the purpose of a water disposal well. The permit to drill was approved by DOGM 3/5/2014. The well was spudded 12/12/2014 and completed as an injection well 1/26/2015. The well has been perforated for disposal in the Birds Nest Aquifer of the Green River Formation.

Description of the Casings and Cement:

CASING PROGRAM

String Type	Hole Size	Depth	Feet	Casing Diameter	Weight	Grade
Conductor	17.5"	60'		13.375"	48#	H-40 ST&C
Surface	12.25"	424'	424'	9.625"	36#	J-55 ST&C
Production	8.75"	3,818'	3,820'	7"	23#	J-55 LT&C

CEMENT PROGRAM

String Type	DV Depth	Stage Lead/Tail	Cement Bottom	Cement Top	Number Sacks	Cement Type	Cement Weight
Surface			424'	Surface	200	Class G	
Production		Lead Tail	3,818'	Surface	100 625	Class H+add's Class H+add's	10.0 ppg 14.0 ppg

Finley Resources proposes to inject produced water from its own oil and gas production from the Wasatch and Green River Formations in the Uintah Basin. Initially, this is expected to be primarily from the Leland Bench and Windy Ridge Fields. Finley plans to deliver injection fluids to the disposal well via trucks or a pipeline. A current list of sources, consisting of 55 wells, is included with the UIC Permit Application (Figure G1), but additional wells are being added routinely, with new development. Finley will submit an annual list of sources for the prior year with the annual fluid injection report and fluid analyses.

A cement bond log (run by The Perforators, LLC on 1/6/2015) demonstrates good cement bond in this well up to about 1094 feet depth. The proposed injection interval is 3228 to 3566 feet, in the Birds Nest zone in the Parachute

Creek Member of the upper Green River Formation. The base of moderately saline groundwater (3000-10,000 mg/l TDS) is at a depth of approximately 900 feet, as interpreted from the Depth of the BMSW map (Plate 4) of Utah Geological Survey Special Study 144, Moderately Saline Groundwater in the Uinta Basin, Utah (Paul B. Anderson, et al, 2012). The top of the proposed injection interval is about 2,300 feet below the base of moderately saline groundwater.

The proposed injection well has surface casing set at 424 feet and has a cement top to surface. A 7-inch production casing is set to a depth of 3,818 feet, and a 4 ½ tubing extends to a depth of 3,198 feet, with a packer set at 3,177 feet. Perforations are between 3,238 feet and 3,566 feet. Within the (0.5 mile radius) AOR there are five producing oil wells, all vertically drilled. Based on casing records and cement bond logs, all of these existing wells have adequate casing and cement for the proposed injection interval.

A mechanical integrity test (MIT), with advance notification to DOGM, was run on the well on 2/2/2015. The MIT was witnessed by Chris Jensen of DOGM, and a copy of the field report is included in the UIC Application. The annulus pressure was maintained at 1020 psi for 30 minutes, and the tubing pressure stayed consistent at 300 psi. Finley submitted a Sundry Report to DOGM on 3/3/2015, including the Step Rate Test (SRT) and MIT. The Sundry Report was accepted For Record Only by DOGM on 3/3/2015.

In the UIC application, Finley proposed a maximum injection rate of 5000 barrels per day. The daily volume will vary depending on water production rates from the producing wells in the vicinity. The injection rate will be constrained by the maximum allowable injection pressure (MAIP) at the surface. As stated in Finley' s application, EPA has established a set injection pressure for all Birds Nest Aquifer disposal

wells. Injection pressure of 300 psi is equivalent to a formation fracture gradient of 0.62 psi/ft. This established fracture gradient is less than known fracture gradients in the Uinta Basin to ensure that injection at 300 psi will not cause fractures in the Birds Nest. In accordance with the EPA regulation, Finley proposes a maximum injection pressure of 300 psi. A Step Rate Test (SRT) was conducted on 2/2/2015. The injection test was pumped down 4-1/2" diameter, J-55 and N-80, 12.75# tubing, with a top packer set at 3177' . A plot of injection pressure (psi) versus injection rate (barrels per minute) of Finley's Step Rate Test suggests a breakover point at about 425 psi with an injection rate less than 0.5 BPM. Injection at a rate of 300 psi should not initiate any new fractures or propagate existing fractures. However, the maximum allowed injection pressure will limit the maximum injection rate. At 300 psi, the injection rate would be only about 0.35 BPM. This would allow a daily injection rate of only about 500 barrels per day.

Update: The Ute 13-1 SWD initiated injection on 03/25/2015. This was documented in a Sundry Notice received by DOGM 04/09/2015. As reported by the Sundry, the initial day rate was 1068 barrels/day at a pressure of 100 psi, and the average initial rate (03/25/2015 to 03/31/2015) was 945 barrels/day, with an average wellhead pressure of 130 psi. This injection rate is much higher than would be expected based on the Step Rate Test conducted on 2/2/2015.

Ground Water Protection:

In the Area of Review (0.5 mile radius), no water rights are shown by the Utah Division of Water Rights. As indicated in Finley's application, the nearest water right, approximately 1.6 miles south-southwest, was granted to Snyder Oil, for the purpose of an injection well for water flooding. However, at the time of this inquiry (2/24/2015), the status of this water right is listed as Expired. Otherwise, the nearest water rights are nearly four miles to the southwest. The Bureau of Land

Management has surface water rights for purposes of livestock and wildlife watering and irrigation.

The application submitted by Finley Resources includes standard laboratory water analyses of connate water from the proposed injection well (Figure G3), as well as produced water from 53 nearby wells (Figure G1), and 1 nearby well, which Finley considers representative injection water (Figure G2). All these wells are operated by Finley and produce water from the Green River and/or Wasatch Formations. Finley presents a Summary of TDS Concentrations Analyzed (Table G-1). Two producing wells in Table G-1 indicate produced water TDS analyses, averaging 49,359 mg/l. These two wells' water samples have pH values of 8.1 and 8.2 and density values of 1.032 and 1.029. All 53 wells listed in Figure G1 have TDS values ranging from 12,465 to 58,986 mg/l; pH values ranging from 6.8 (excluding FRAC tank samples) to 10.0; and density values ranging from 1.0044 (excluding FRAC tank samples) to 1.0383.

A swab sample was taken from Ute 13-1 SWD (reportedly from the Birds Nest zone) on 1/27/2015 and subsequently submitted for lab analysis. The analysis report is included as Figure G3 with the UIC application. The analysis report indicates a TDS of 177,852 mg/l. Among anions, the reported chloride is very high at 120,000 mg/l, and bicarbonate is 17,080 mg/l. The only substantial cations are sodium at 39,723 mg/l and potassium at 733 mg/l. Based on subsequent conversations with Finley, it is concluded that the sample was probably contaminated with excess chlorides from fluids used in the completion procedure and may not be truly representative of the formation water. On 3/16/2015 Finley submitted, for comparison, an analysis report for a swab sample taken from the Birds Nest zone in the Ute 26-1-4-1 SWD (43-047-31822), permitted by EPA on 10/8/2014. The well is located approximately 1 ½ miles south-southwest of the Ute 13-1 SWD. This sample is also quite high in TDS, at 149,704 mg/l. Among anions, it is also very high in chlorides, at 74,700 mg/l, with

bicarbonate at 16,592 mg/l. The only substantial cations are sodium, at 49,458 mg/l and potassium, at 7,500 mg/l. Inasmuch as this sample is of similar quality to the questionable sample from Ute 13-1 SWD, it is concluded by DOGM that the injection should cause no diminution of the quality of the already generally poor quality water in the Birds Nest injection zone. After injection ceases, increased pressure around the wellbore will abate over time. No long term negative impacts to surface or ground water are anticipated as a result of the proposed injection operation.

Geology:

The Uinta Formation is the near surface bedrock unit in the area of the Ute 13-1 SWD well. At this location it extends to a depth of 2,264 feet. It is overlain, in part, by Quaternary surface deposits. The Uinta consists largely of alluvial sediments deposited after Lake Uinta and the Uinta Basin began to fill with sediments derived from surrounding uplands. The formation consists largely of interbedded brown mudstone and siltstone, with some light tan, very fine-grained fluvial sandstone.

The Green River Formation underlies the Uinta Formation. In the Ute13-1 SWD well the formation top is picked at 2,264 feet. In the area, the Green River Formation extends to a depth of about 7,000 feet, although it is not fully penetrated in the Ute 13-1 SWD well. The formation is a complex mixture of clastics, carbonates, and organic-rich mudstones, deposited in an alluvial to lacustrine depositional system. The Green River lithologies interfinger with those of the underlying Wasatch Formation and the overlying Uinta Formation. The upper portion of the Green River is the Parachute Creek Member. The Parachute Creek was deposited as a complex sequence of lacustrine and marginal lacustrine sediments, consisting of laminated carbonate mudstones interbedded with light gray-brown shale, siltstones, and sandstones. The most organic rich shales, including the Mahogany Oil Shale Zone,

are located within the Parachute Creek Member, with the top of the Mahogany zone estimated to be at a depth of 3,890 feet in the area of the Ute 13-1 SWD. The lower portion of the Green River Formation is the Douglas Creek Member, consisting of alternating beds of light gray, fine-grained calcareous sandstone, limestone, dolomite, and gray-brown brittle shale, as well as organic-rich black shale.

Finley proposes to dispose produced water into the Birds Nest zone within the upper part of the Parachute Creek Member in the upper Green River Formation. The Birds Nest was deposited in the deeper part of Lake Uinta as the lake dried and became a restricted evaporitic basin. The Birds Nest consists of very fine-grained siltstones and mudstones, interbedded with dark brown, laminated organic-rich carbonate mudstones and evaporate beds. The lake waters became concentrated with salts, primarily sodium bicarbonate, during this regressive phase. An important characteristic of the Birds Nest is that large numbers of post-depositional nahcolite crystals grew in the Birds Nest sediments. Nahcolite crystals with diameters of one foot have been reported. Later dissolution of the nahcolite crystals and beds resulted in high-permeability vugular porosities. The proposed injection zones are between 3,238 to 3,566 feet located in the Birds Nest zone. These intervals are composed of porous and permeable carbonate oil shale with large vugular porosity, connected through an extensive fracture network. The combined thickness of the proposed injection zones is 328 feet. The upper confining zone is composed of very fine grained organic lean oil shale and lacustrine overlying the injection zone. The gross thickness of the upper confining zone averages between 275 and 300 feet. The average thickness of the upper confining zone in the area of the proposed Ute Tribal 13-1 SWD is 285 feet. The lower confining zone is composed of very fine-grained organic lean oil shale and lacustrine marlstone underlying the injection zone. The gross thickness of the lower confining zone averages between 300 and 350 feet. The average thickness of the lower confining zone in the area of the proposed Ute 13-1 SWD is 330 feet.

As a supplement to the application, Finley includes a local structure contour map in the area of the Windy Ridge and Leland Bench Fields. The mapped structural horizon is the top of the lower Birds Nest interval in the Green River Formation. This map indicates that the Ute 13-1 SWD well is located in an area of fairly gentle and relatively uniform dip northward to north-northeastward toward the axis of the Uinta Basin. In the area, the dip varies from about 100 feet to 250 feet per mile. In the immediate vicinity of the Ute 13-1 SWD well, the dip is about 200 feet per mile toward the north-northeast. Cross-sections prepared by Finley show the correlations of the injection zone, as well as the confining zones. No faults are indicated in the area.

Oil/Gas & Other Mineral Resources Protection:

The Ute 13-1 SWD well is located in the Windy Ridge Field, located in T4S, R1E. The Windy Ridge Field, as currently comprised, was established in March 2002, with the combining of the Windy Ridge, Windy Ridge East, and Windy Ridge West Fields. With recent boundary adjustments, the field covers approximately 23 square miles and currently has about 130 producing wells. Each of the three previously existing fields was established in 1988. The discovery well for the Windy Ridge Field was Pariette Draw 28-44 (43-047-31408), which first produced from the Green River Formation on 3/1/1984. It was subsequently plugged and abandoned 11/28/2007. The discovery well for the Windy Ridge East Field was the Ute Tribal 26-1-C (43-047-31738), which first produced from the Green River 11/4/1986. Finally, the discovery well for the Windy Ridge West Field was the Ute 21-1 (43-047-31821), which first produced from the Green River on 5/20/1988. The combined Windy Ridge Field produced oil at its highest level in 2014, almost 0.8 million barrels of oil, and has produced nearly 4.0 million barrels in the field's lifetime. Gas production also peaked at more than 1.2 million MCF in 2014, with a lifetime production more

than 5.6 million MCF. Production is primarily from the Green River Formation, with some from the Wasatch Formation. Production depths are generally between 4500 and 8000 feet.

The Leland Bench Field was established in 1989. The western boundary of the field is only ¼ mile east of the Ute 13-1 SWD well. The field is almost entirely in T4S, R2E, with a ½ mile wide strip along the east edge T4S, R1E. The field covers an area of about 17 square miles and currently has about 107 producing wells. The discovery well for the field was the Ute 13-1 C, located only about one mile northeast of the Ute 13-1 SWD. The well was completed in the Green River and first produced on 11/15/1988. It currently remains as a producing well from the Green River. An application to convert the well to an SWD was received from Finley on 6/10/2013. However, the application was voluntarily withdrawn by Finley on 11/5/2013. The Leland Bench Field has risen rapidly in production in recent years, peaking at nearly 1.5 million barrels of oil in 2014, with a lifetime production of more than 3.4 million barrels. Gas production also peaked in 2014, at more than 1.2 million MCF. Lifetime gas production from the field is nearly 2.9 million MCF. Production is from the Green River Formation and Wasatch Formation. Production depths are generally between 4800 and 9400 feet.

No other known potentially producible mineral or hydrocarbon zones are reported in the area.

Bonding:

Finley Resources, Inc. has a $150,000 statewide blanket surety bond in place with the Bureau of Land Management. Finley is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the UDOGM.

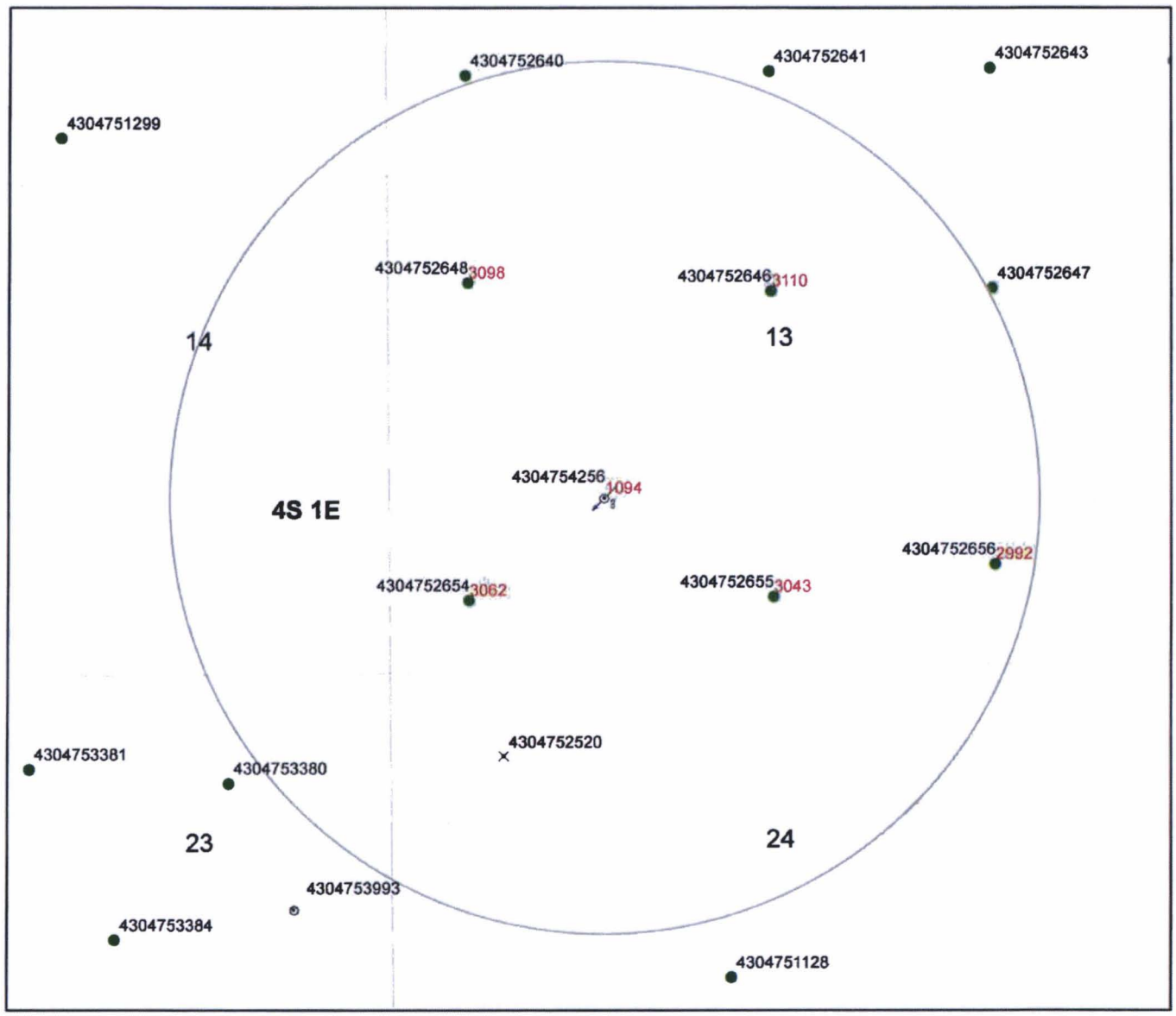
Actions Taken and Further Approvals Needed:

Notice of this application was published in the Salt Lake Tribune and the Uintah Basin Standard. In addition, copies of the notice were provided to the Environmental Protection Agency (EPA), Bureau of Land Management, the Ute Indian Tribe, Uintah County Planning, and the Operator.

A properly designed and constructed water disposal well, combined with periodic mechanical integrity tests, poses no threat to fresh or useable groundwater supplies.

The Division staff recommends approval of this application contingent upon no additional or unforeseen information being presented that is relevant to this analysis or modifies the data presented herein.

Reviewer(s): Mark L. Reinbold Date: 3/9/2015 (with subsequent updates)



Legend

Oil & Gas Well Type

- APD-Approved Permit
- DRL-Spudded (Drilling Commenced)
- GIW-Gas Injection Well
- GSW-Gas Storage Well
- LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- PA-Pugged & Abandoned
- PGW-Producing Gas Well
- POW-Producing Oil Well
- RET-Returned APD
- SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- TA-Temp Abandoned
- TW-Test Well
- WDW-Water Disposal Well
- WIW-WaterInjection Well
- WSW-Water Supply Well

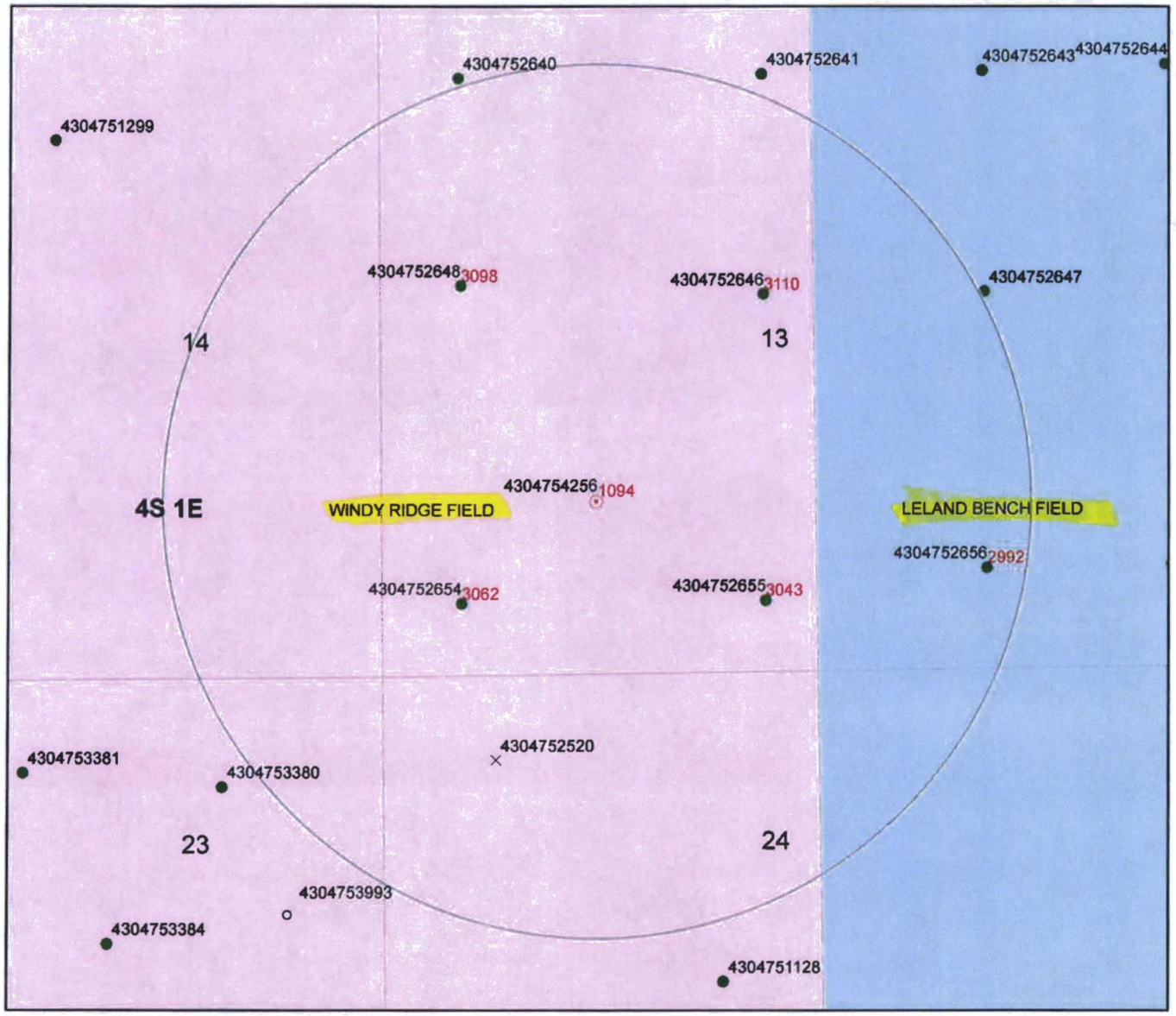
4585 Depth to top of suitable cement bond

- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path Wells-CbltopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

Cement Bond Tops
Ute 13-1 SWD
API #43-047-54256
UIC-431.1

0 0.05 0.1 0.2 0.3 0.4 Miles

N



Cement Bond Tops
Ute 13-1 SWD
API #43-047-54256
UIC-431.1

Legend

Oil & Gas Well Type

- APD-Approved Permit
- DRL-Spudded (Drilling Commenced)
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- SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- TA-Temp Abandoned
- TW-Test Well
- WDW-Water Disposal Well
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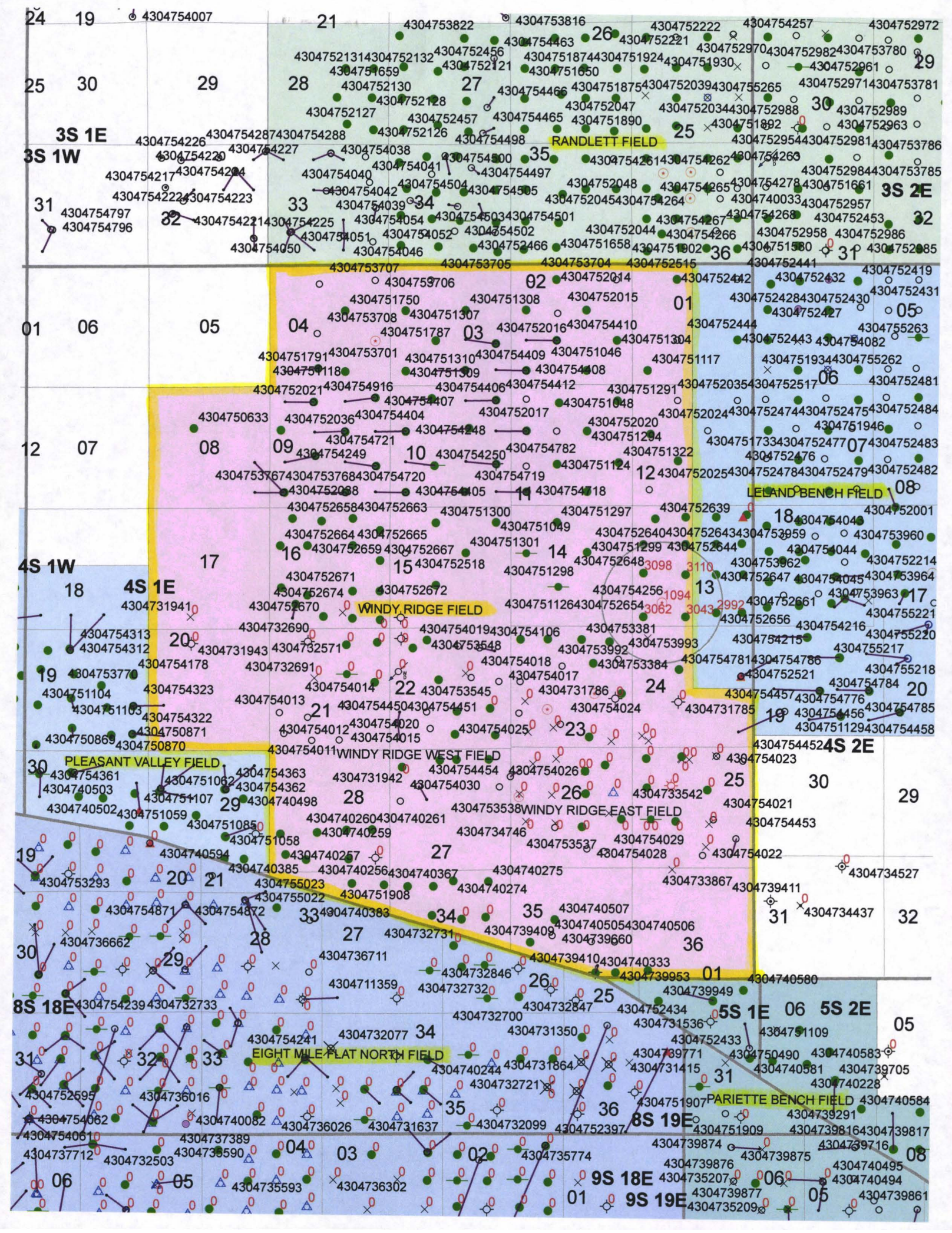
- WSW-Water Supply Well

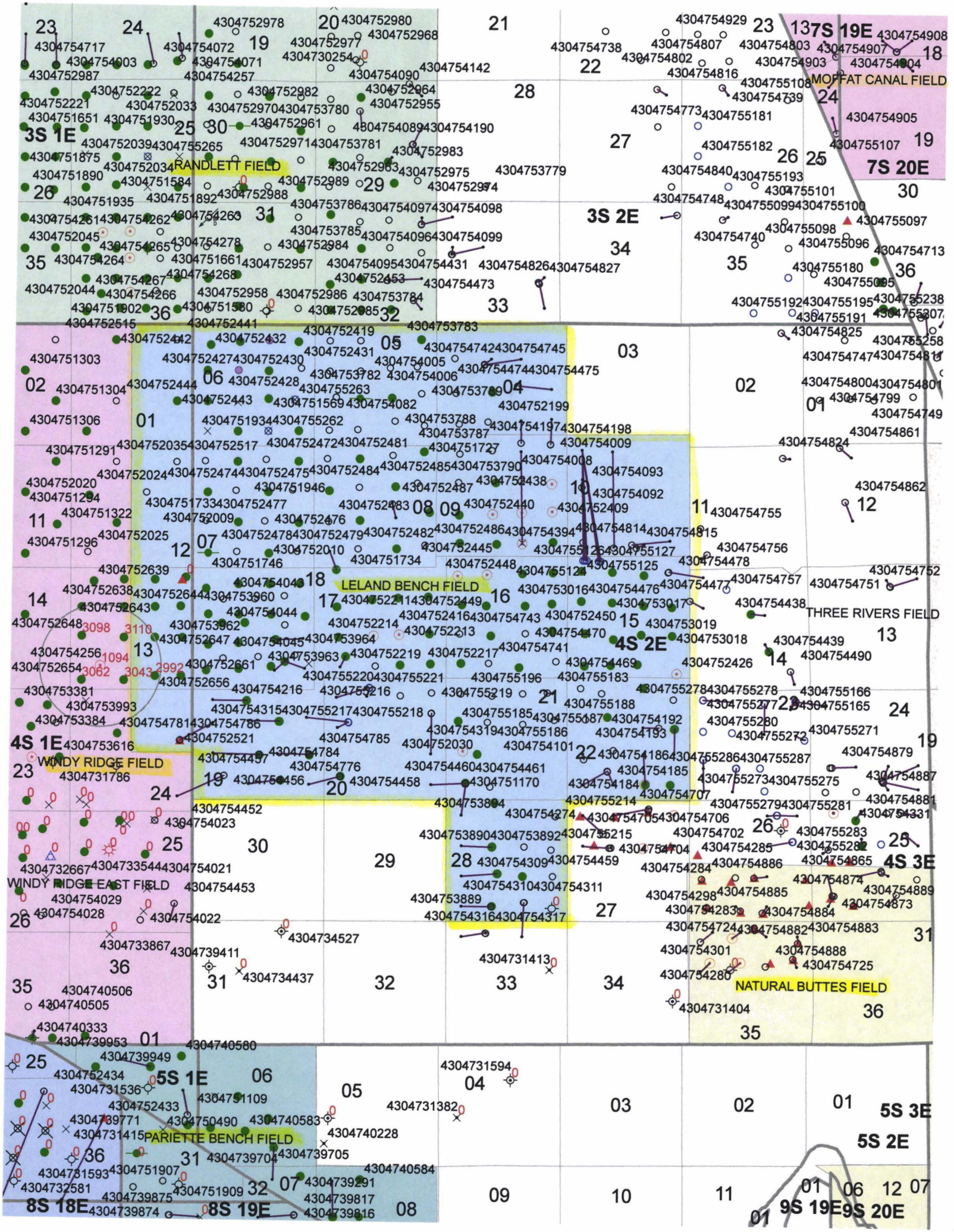
4585 Depth to top of suitable cement bond

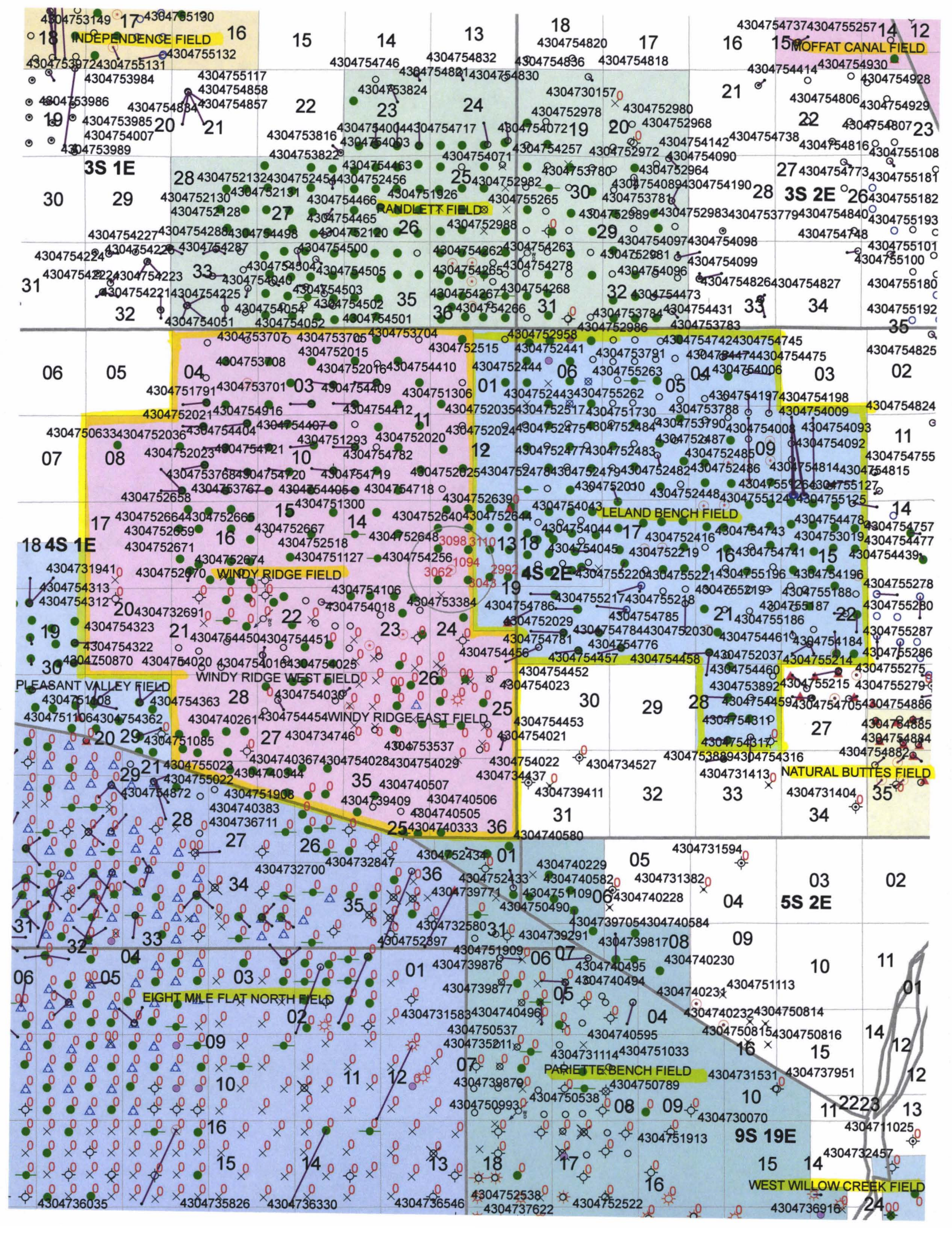
- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
  Wells-CbltopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

0 0.05 0.1 0.2 0.3 0.4 Miles

N


RANDLETT FIELD
LELAND BENCH FIELD
WINDY RIDGE FIELD
WINDY RIDGE WEST FIELD
PLEASANT VALLEY FIELD
WINDY RIDGE EAST FIELD
EIGHT MILE FLAT NORTH FIELD
PARIETTE BENCH FIELD
3S 1E
3S 1W
3S 2E
4S 1W
4S 1E
4S 2E
8S 18E
5S 1E
5S 2E
9S 18E
9S 19E
8S 19E


3S 1E
3S 2E
7S 19E
7S 20E
4S 1E
4S 2E
4S 3E
5S 1E
5S 2E
5S 3E
8S 18E
8S 19E
9S 19E
9S 20E
RANDLETT FIELD
LELAND BENCH FIELD
WINDY RIDGE FIELD
WINDY RIDGE EAST FIELD
PARIETTE BENCH FIELD
MOFFAT CANAL FIELD
THREE RIVERS FIELD
NATURAL BUTTES FIELD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MOFFAT CANAL FIELD
RANDLETT FIELD
LELAND BENCH FIELD
WINDY RIDGE FIELD
WINDY RIDGE WEST FIELD
WINDY RIDGE EAST FIELD
PLEASANT VALLEY FIELD
NATURAL BUTTES FIELD
EIGHT MILE FLAT NORTH FIELD
PARIETTE BENCH FIELD
WEST WILLOW CREEK FIELD
3S 1E
3S 2E
4S 1E
4S 2E
5S 2E
9S 19E

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Units of Measurement: **Standard**

Water Analysis Report

Production Company:	**FINLEY RESOURCES-EBUS**	Sales Rep:	**John Castor**
Well Name:	**UTE 13-1 SWD,UINTAH**	Lab Tech:	**Gary Winegar**
Sample Point:	**WELLHEAD**		
Sample Date:	**3/2/2015**		
Sample ID:	**WA-302204**		

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics

Test Date:	3/6/2015
System Temperature 1 (°F):	80
System Pressure 1 (psig):	15
System Temperature 2 (°F):	160
System Pressure 2 (psig):	
Calculated Density (g/ml):	1.0034
pH:	6.50
Calculated TDS (mg/L):	10446.27
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	0.00
H_2S in Gas (%):	
H2S in Water (mg/L):	0.00

Analysis @ Properties in Sample Specifics

Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	1357.00	Chloride (Cl):	7000.00
Potassium (K):	1186.00	Sulfate (SO_4):	123.00
Magnesium (Mg):	5.90	Bicarbonate (HCO_3):	732.00
Calcium (Ca):	20.40	Carbonate (CO_3):	
Strontium (Sr):	1.30	Acetic Acid (CH_3COO)	
Barium (Ba):	0.24	Propionic Acid (C_2H_5COO)	
Iron (Fe):	17.00	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.04	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.00	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.27	Silica (SiO_2):	3.12

Notes:

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
160.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	1.49	11.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
151.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	1.40	11.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
142.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	1.31	11.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	1.22	11.51	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	1.13	11.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	1.04	11.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.95	10.79	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.00	14.00	0.00	0.00	0.03	0.01	0.00	0.00	0.86	10.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.00	14.00	0.00	0.00	0.10	0.03	0.00	0.00	0.77	10.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.00	14.00	0.00	0.00	0.18	0.05	0.00	0.00	0.68	9.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
160.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.97	1.91
151.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.47	1.09
142.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
133.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
124.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
115.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
97.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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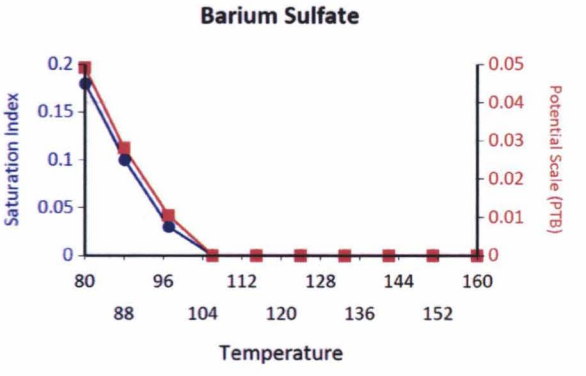
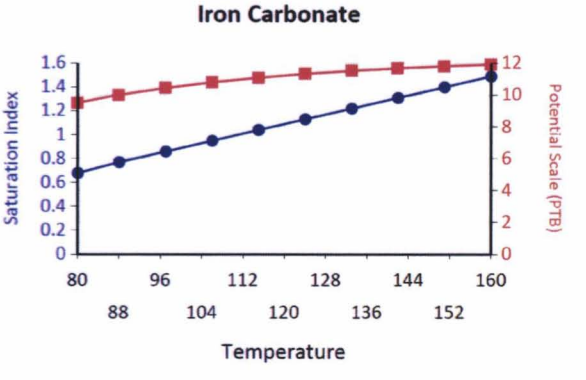
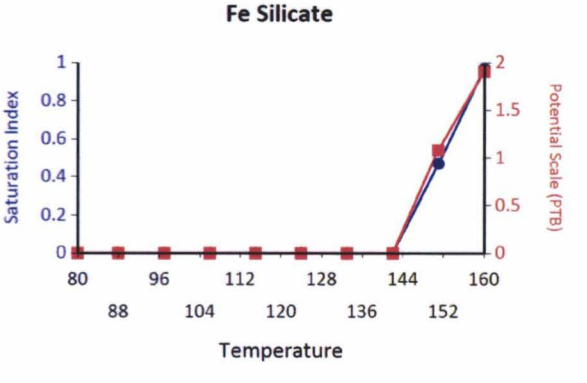
Water Analysis Report

These scales have positive scaling potential under initial temperature and pressure: Iron Carbonate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Barium Sulfate Iron Carbonate







Mark Reinbold <markreinbold@utah.gov>

UIC well application - Ute 13-1 SWD - Finley Resources, Inc

1 message

Shea Atkins <SAtkins@finleyresources.com> Mon, Mar 2, 2015 at 1:39 PM
To: "markreinbold@utah.gov" <markreinbold@utah.gov>

Hi Mark,

I'm emailing with regards to your recent question through Don Hamilton regarding the stratigraphy in our 13 -1 SWD well. Attached is Figure 4 from Vanden Berg et al., 2013, Geological Characterization of the Bird's Nest Aquifer, Uinta Basin, Utah, Special Study 147 Utah Geological Survey. This was used to identify the Bird's Nest interval as within the Parachute Creek Member. Also, yes the Uinta Formation is present in this area with the Duchesne River Formation at the surface.

Please feel free to give me a call to answer any remaining questions you have as timely as possible.

Thanks,

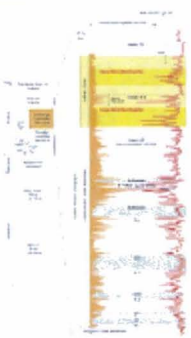
Shea Atkins

Geologist

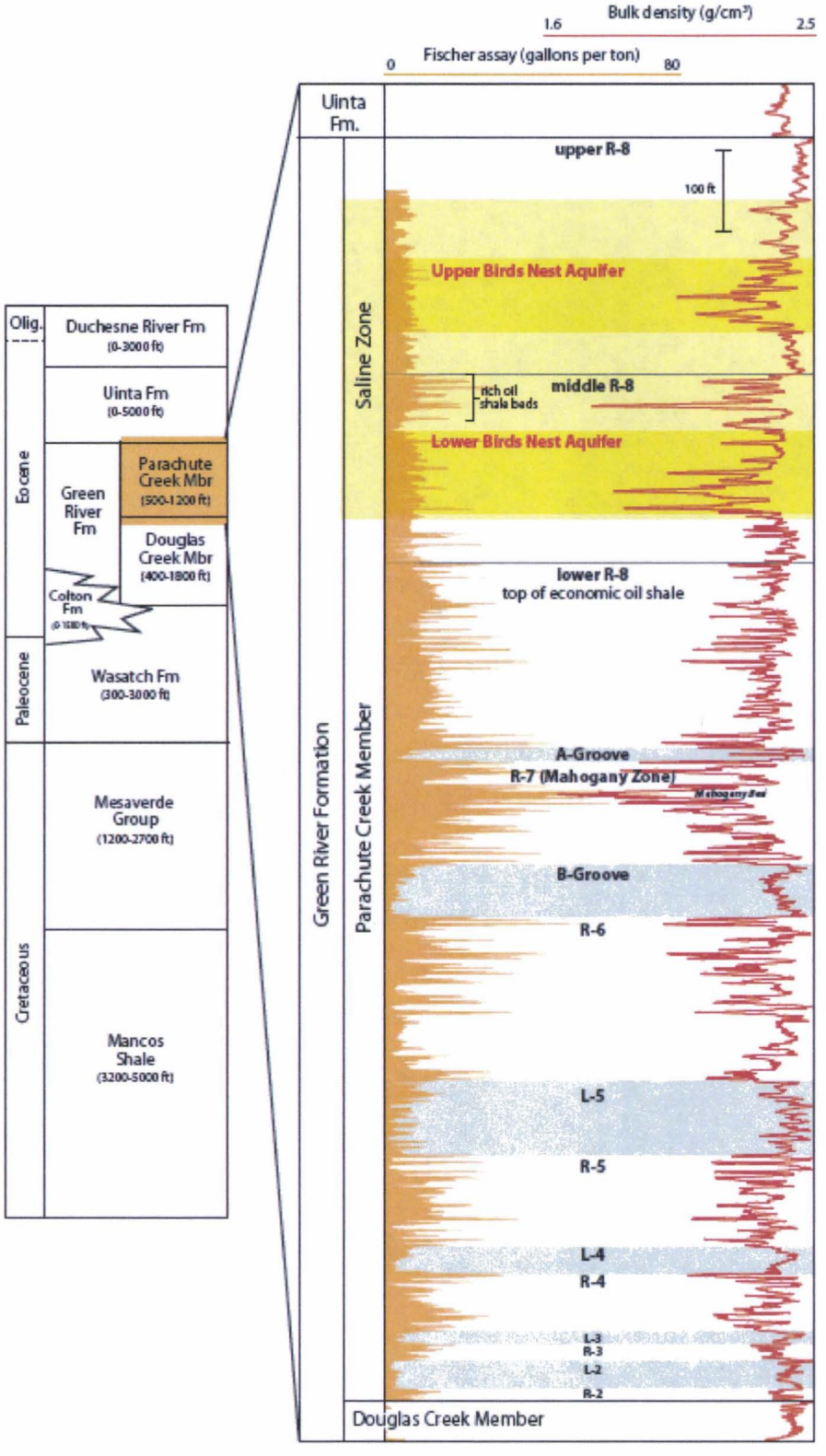
Finley Resources Inc.

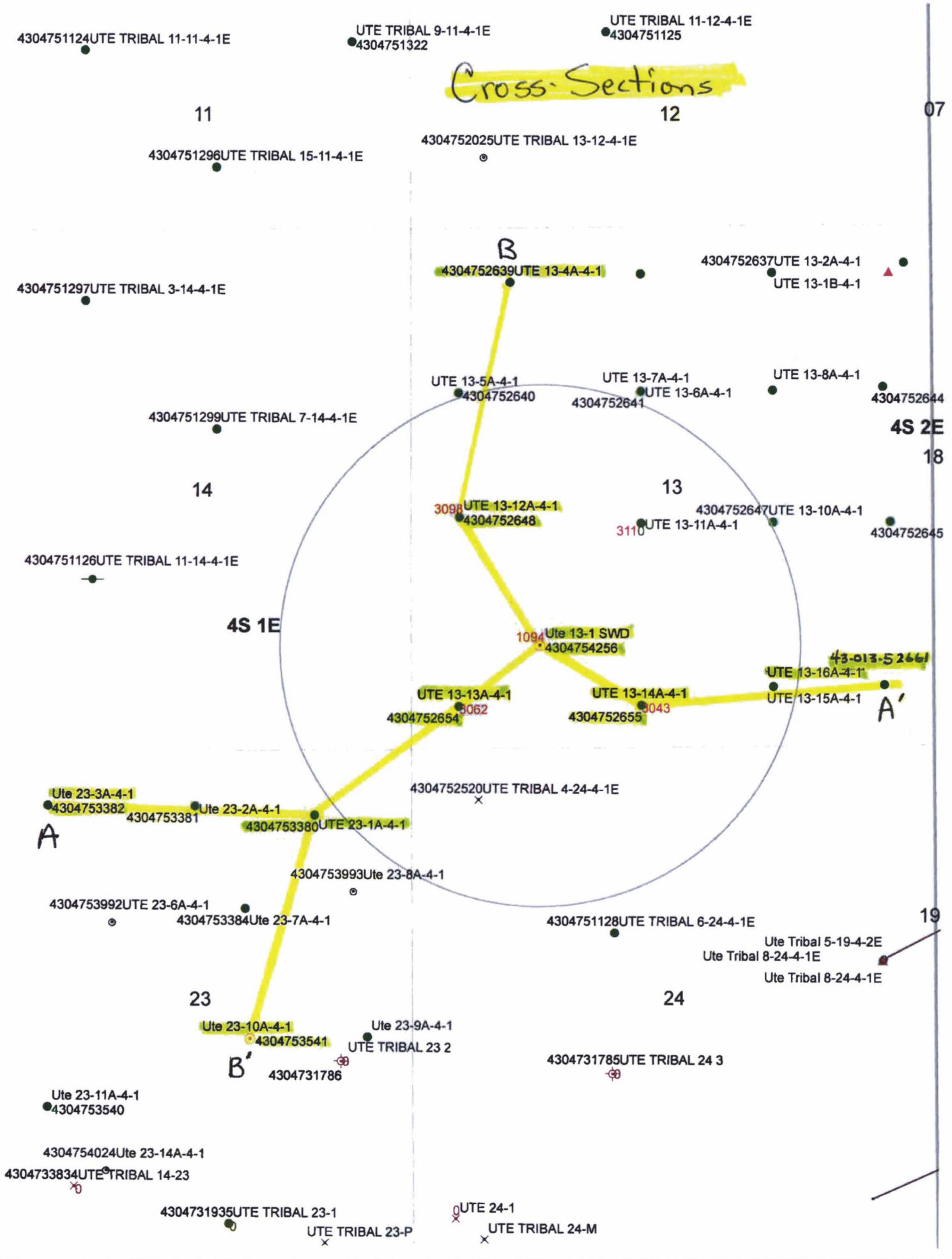
Office: 817-231-8773

Cell: 615-497-1940



Stratigraphy.PNG
57K


Bulk density (g/cm³)
1.6
2.5
Fischer assay (gallons per ton)
0
80
Olig.
Duchesne River Fm
(0-3000 ft)
Uinta Fm
(0-5000 ft)
Eocene
Green River Fm
Parachute Creek Mbr
(500-1200 ft)
Douglas Creek Mbr
(400-1800 ft)
Colton Fm
Paleocene
Wasatch Fm
(300-3000 ft)
Cretaceous
Mesaverde Group
(1200-2700 ft)
Mancos Shale
(3200-5000 ft)
Uinta Fm.
Green River Formation
Saline Zone
Parachute Creek Member
Douglas Creek Member
upper R-8
100 ft
Upper Birds Nest Aquifer
middle R-8
rich oil shale beds
Lower Birds Nest Aquifer
lower R-8
top of economic oil shale
A-Groove
R-7 (Mahogany Zone)
Mahogany Bed
B-Groove
R-6
L-5
R-5
L-4
R-4
L-3
R-3
L-2
R-2


Cross-Sections
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UTE TRIBAL 11-12-4-1E
4304751125
11
12
07
4304752025UTE TRIBAL 13-12-4-1E
4304751296UTE TRIBAL 15-11-4-1E
B
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4304753384Ute 23-7A-4-1
4304751128UTE TRIBAL 6-24-4-1E
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Ute Tribal 5-19-4-2E
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Ute Tribal 8-24-4-1E
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24
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4304731935UTE TRIBAL 23-1
UTE 24-1
UTE TRIBAL 23-P
UTE TRIBAL 24-M

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Units of Measurement: **Standard**

Water Analysis Report

Production Company:	**FINLEY RESOURCES-EBUS**	Sales Rep:	**James Patry**
Well Name:	**UTE 13-1 SWD,UINTAH**	Lab Tech:	**Gary Winegar**
Sample Point:	**WELLHEAD**		
Sample Date:	**2/9/2015**		
Sample ID:	**WA-300281**		

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	2/11/2015
System Temperature 1 (°F):	190
System Pressure 1 (psig):	1300
System Temperature 2 (°F):	60
System Pressure 2 (psig):	15
Calculated Density (g/ml):	1.0081
pH:	7.80
Calculated TDS (mg/L):	18626.66
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	0.00
H_2S in Gas (%):	
H2S in Water (mg/L):	0.00

Analysis @ Properties in Sample Specifics			
Cations	***mg/L***	***Anions***	***mg/L***
Sodium (Na):	1248.35	Chloride (Cl):	12000.00
Potassium (K):	3304.16	Sulfate (SO_4):	345.00
Magnesium (Mg):	24.60	Bicarbonate (HCO_3):	1586.00
Calcium (Ca):	71.53	Carbonate (CO_3):	
Strontium (Sr):	3.82	Acetic Acid (CH_3COO)	
Barium (Ba):	0.84	Propionic Acid (C_2H_5COO)	
Iron (Fe):	31.33	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.18	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.00	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	1.02	Silica (SiO_2):	9.83

Notes:
B=2.22 Al=.03 Li=.93

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4-2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	14.00	1.03	43.66	1.16	0.47	0.00	0.00	2.43	22.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.00	157.00	1.02	43.13	1.00	0.45	0.00	0.00	2.48	22.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.00	300.00	1.06	44.79	0.86	0.43	0.00	0.00	2.57	22.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103.00	443.00	1.11	46.57	0.74	0.41	0.00	0.00	2.67	22.69	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.00	585.00	1.17	48.41	0.64	0.39	0.00	0.00	2.76	22.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.00	728.00	1.23	50.23	0.55	0.36	0.00	0.00	2.85	22.73	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146.00	871.00	1.30	52.00	0.47	0.33	0.00	0.00	2.94	22.74	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161.00	1014.00	1.37	53.65	0.41	0.31	0.00	0.00	3.03	22.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.00	1157.00	1.45	55.15	0.36	0.28	0.00	0.00	3.12	22.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	1300.00	1.53	56.50	0.32	0.26	0.00	0.00	3.20	22.76	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.85	10.54
74.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.97	10.55
88.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.39	10.59
103.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.85	10.62
117.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	7.34	10.64
132.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	0.22	0.05	0.00	0.00	0.00	0.00	0.00	0.00	7.85	10.65
146.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.07	0.00	0.00	0.61	3.12	0.00	0.00	8.38	10.66
161.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	0.57	0.09	0.00	0.00	1.38	6.37	0.00	0.00	8.93	10.66
175.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.72	0.10	0.00	0.00	2.14	8.85	0.44	1.93	9.48	10.66
190.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.11	0.00	0.00	2.89	10.43	0.89	3.35	10.03	10.66

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

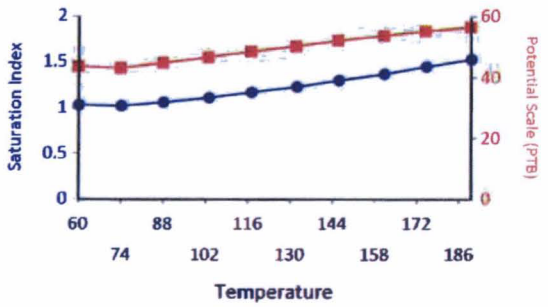
multi-chem®
A HALLIBURTON SERVICE

Water Analysis Report

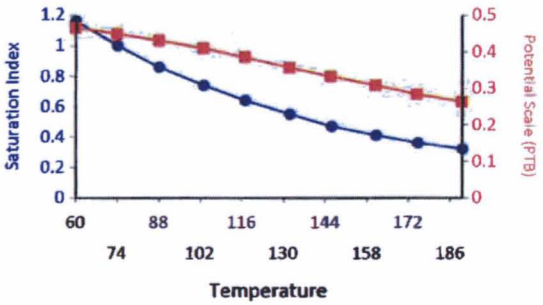
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

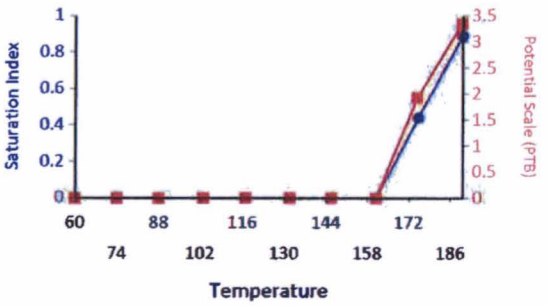
Calcium Carbonate



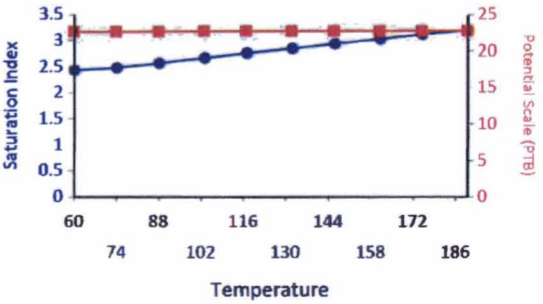
Barium Sulfate



Ca Mg Silicate



Iron Carbonate



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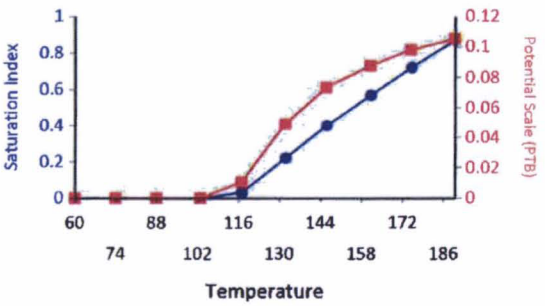

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

multi-chem®
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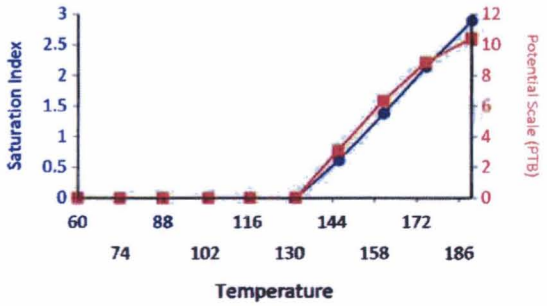
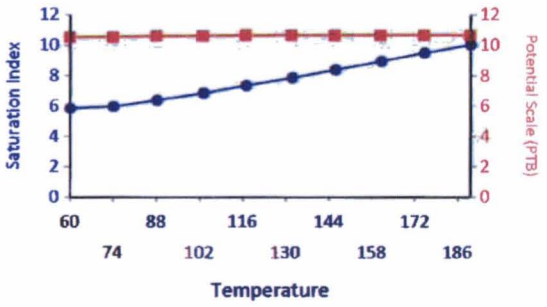
Water Analysis Report

Mg Silicate



Fe Silicate



BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-431

IN THE MATTER OF THE APPLICATION OF FINLEY RESOURCES, INC. FOR ADMINISTRATIVE APPROVAL OF A WELL LOCATED IN SECTION 13, TOWNSHIP 4 SOUTH, RANGE 1 EAST, USB&M, UINTAH COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Finley Resources, Inc., 1308 Lake Street, Fort Worth, Texas 76113, telephone 817-336-1924, for administrative approval of the following well located in Uintah County, Utah, for conversion to a Class II injection well:

Windy Ridge Field:
Ute 13-1 SWD well located in SW/4 SW/4, Section 13, Township 4 South, Range 1 East
API 43-047-54256

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Finley Resources, Inc.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 19th day of February, 2015

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

Brad Hill
Permitting Manager

Finley Resources, Inc.

UTE 13-1 SWD

Cause No. UIC-431

Publication Notices were sent to the following:

Clay O'Neil
Finley Resources, Inc.
1308 Lake Street
Fort Worth, TX 76113

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubslegals@ubmedia.biz

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Ute Indian Tribe
P.O. Box 190
Fort Duchesne, UT 84026

Uintah County Planning
152 E 100 N
Vernal, UT 84078

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Don Hamilton
Star Point Enterprises, Inc.
2580 Creekview Road
Moab, UT 84532

Jean Sweet

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

February 23, 2015

Via e-mail: ubslegals@ubmedia.biz

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Finley Resources, Inc. Cause No. UIC-431

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

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

February 23, 2015

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Finley Resources, Inc. Cause No. UIC-431

To Whom It May Concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet

Jean Sweet
Executive Secretary

Enclosure

Deseret News | Utah Media Group | The Salt Lake Tribune

Remit to: 4770 S 5600 W
West Valley City, UT 84118

Order Confirmation for Ad #0001013839-01

Client	DIV OF OIL-GAS & MINING	**Payor Customer**	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	**Payor Phone**	801-538-5340
Account#	9001402352	**Payor Account**	9001402352
Address	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154 USA	**Payor Address**	1594 W NORTH TEMPLE STE 1210, SALT LAKE CITY UT 84116-3154
Fax	801-359-3940	**Ordered By**	**Acct. Exec**
EMail	juliecarter@utah.gov	Jean	mfultz

Total Amount	**$220.04**			
Payment Amt	**$0.00**	**Tear Sheets**	**Proofs**	**Affidavits**
Amount Due	**$220.04**	0	0	1

Payment Method

PO Number UIC-431

Confirmation Notes:

Text: Jean

Ad Type	Ad Size	Color
Legal Liner	2.0 X 64 Li	<NONE>

Product	Placement	Position
Salt Lake Tribune::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	2/25/2015	
Product	**Placement**	**Position**
Deseret News::	Legal Liner Notice - 0998	998-Other Legal Notices
Scheduled Date(s):	2/25/2015	
Product	**Placement**	**Position**
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	2/25/2015	

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-431

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Dated this 19th day of February, 2015

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
1013839 **UPAXLP**

[redacted]

Jean Sweet <jsweet@utah.gov>

Re: Notice of Agency Action – Finley Resources, Inc. Cause No. UIC-431

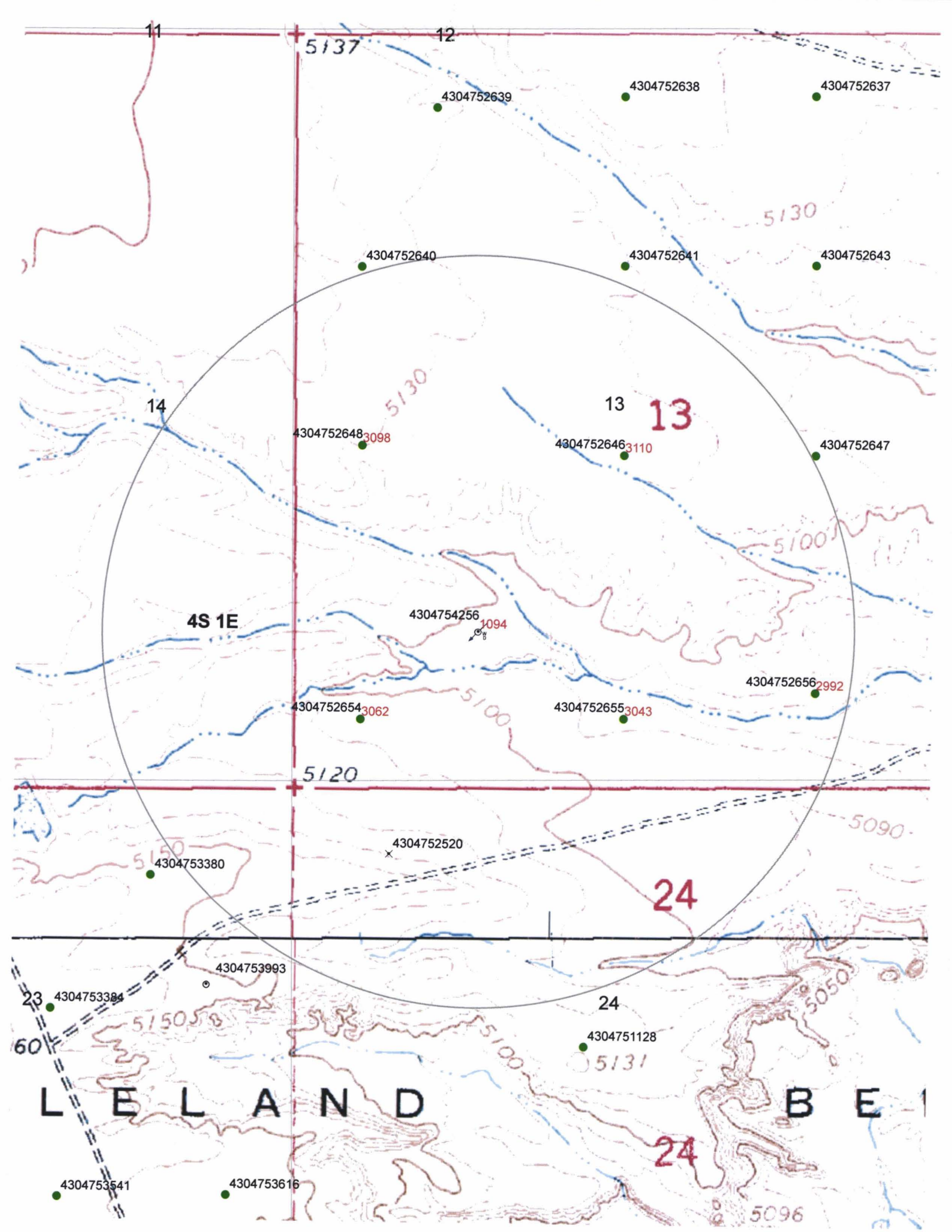
1 message

Cindy Kleinfelter <ckleinfelter@ubmedia.biz> Wed, Feb 25, 2015 at 2:24 PM
To: Jean Sweet <jsweet@utah.gov>

This will publish March 3.
Thank you,
Cindy

On 2/23/2015 9:52 AM, Jean Sweet wrote:

> To Whom It May Concern:
>
> Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.
>
> Please send proof of publication and billing to:
>
> Division of Oil, Gas and Mining
>
> PO Box 145801
>
> Salt Lake City, UT 84114-5801
>
> Sincerely,
>
> –
> Jean Sweet
> Executive Secretary
> Utah Division of Oil, Gas and Mining
> 801-538-5329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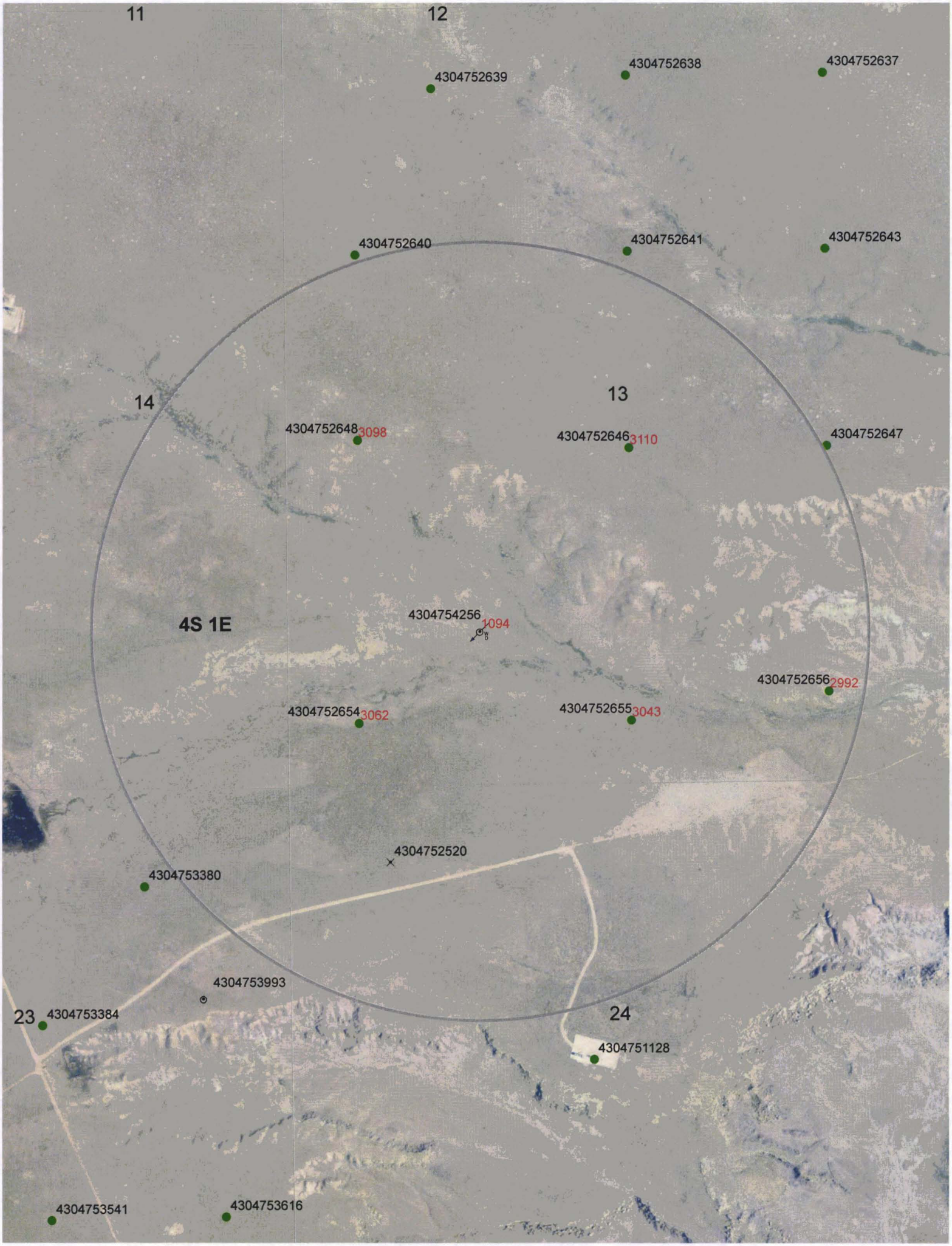
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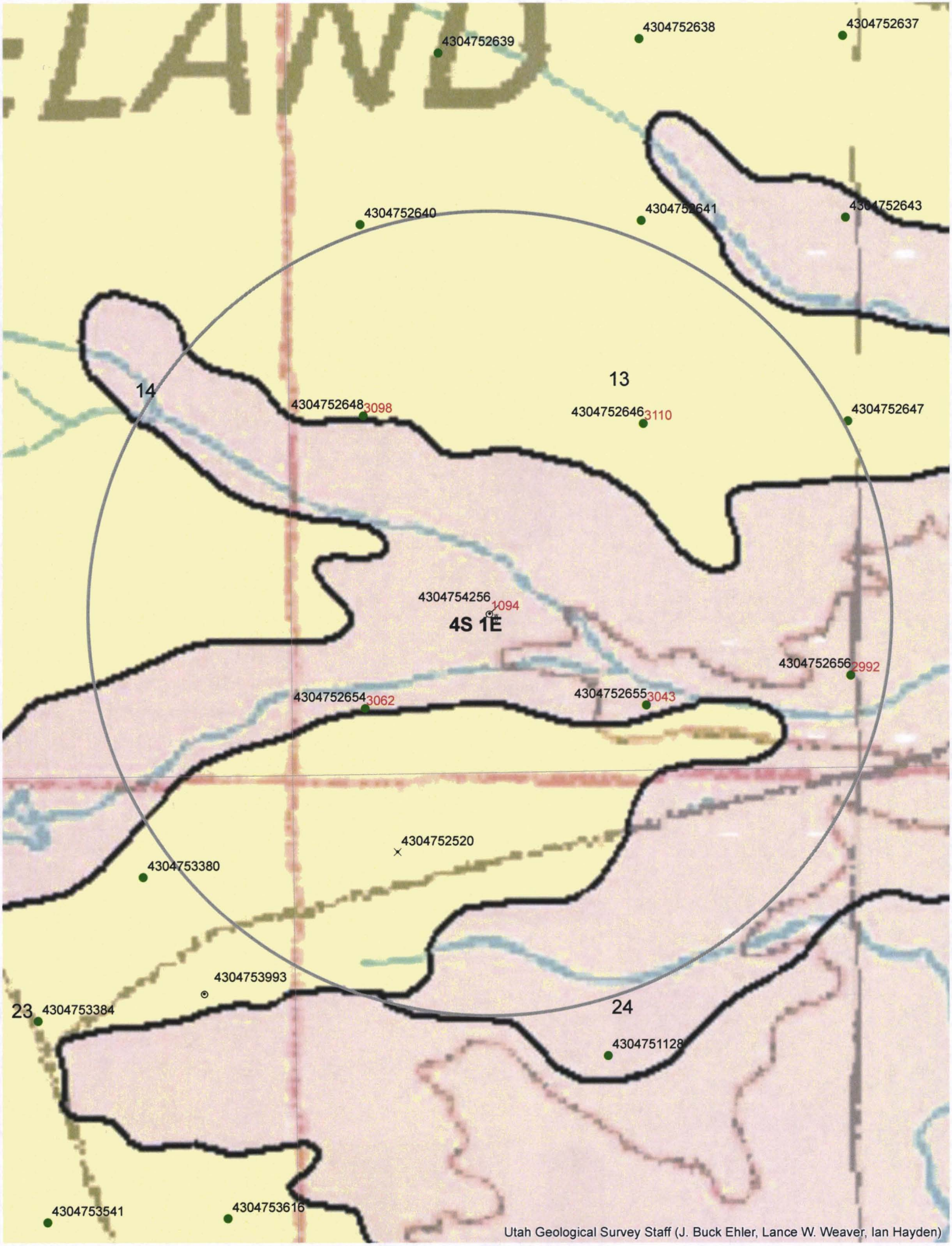
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Utah Geological Survey Staff (J. Buck Ehler, Lance W. Weaver, Ian Hayden)


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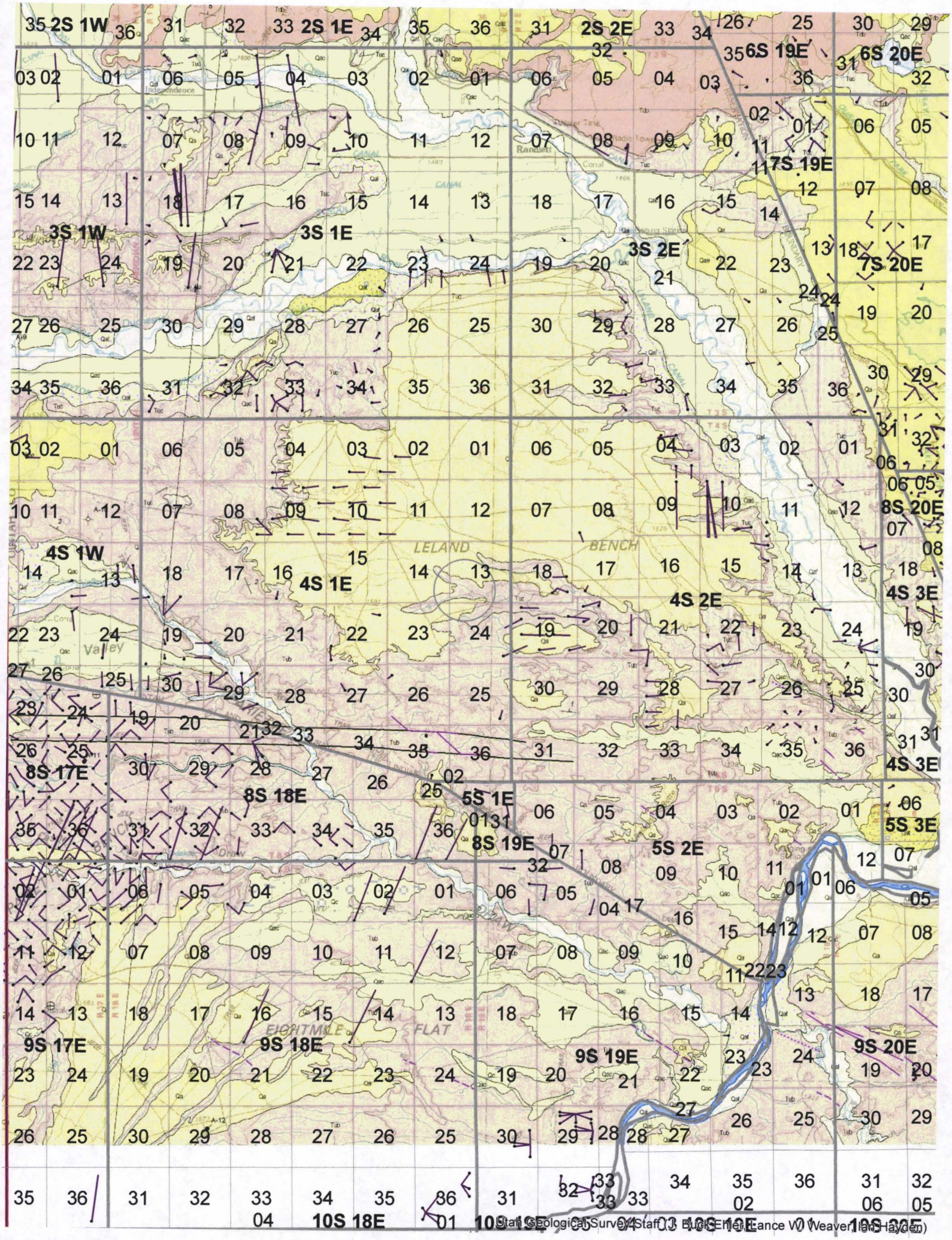
Utah Geological Survey Staff (J. Buck Ehler, Lance W. Weaver, Ian Hayden)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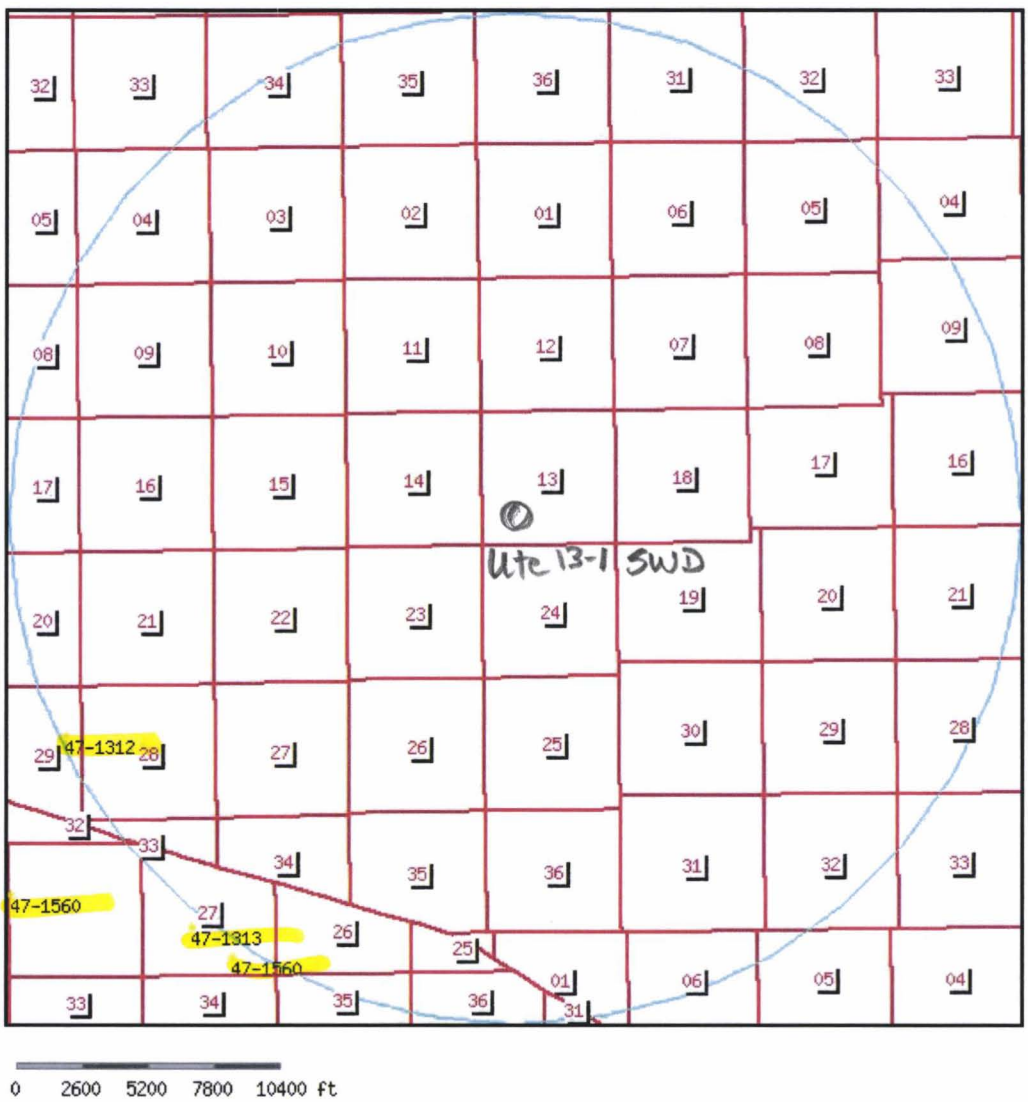
EIGHT MILE
FLAT
Randlett
Utah Geological Survey Staff (J. Buck Ehler, Lance W. Weaver, Tim Hayden)

Utah Division of Water Rights

Output Listing

Version: 2014.01.09.00 Rundate: 02/19/2015 09:48 AM

Radius search of 20000 feet from a point N1075 E1289 from the SW corner, section 13, Township 4S, Range 1E, US b&m Criteria:wrtypes=W,C,E podtypes=S,U,D,Sp,P,R,T status=U,A,P usetypes=all



Water Rights

WR Number	Diversion Type/Location	Well Log	Status	Priority	Uses	CFS	ACFT	Owner Name
47-1312	Point to Point		P	1885		0.000	0.000	USA BUREAU OF LAND MANAGEMENT
	N660 W660 E4 29 4S 1E US							2370 SOUTH 2300 WEST

47-1313	Point to Point	P	1885	S	0.000	0.000	USA BUREAU OF LAND MANAGEMENT
	S660 E1980 W4 27 8S 18E SL						2370 SOUTH 2300 WEST
47-1560	Surface	U	19770915	IO	10.000	4000.000	USA BUREAU OF LAND MANAGEMENT
	S2000 E200 NW 28 8S 18E SL						2370 SOUTH 2300 WEST
47-1560	Surface	U	19770915	IO	10.000	4000.000	USA BUREAU OF LAND MANAGEMENT
	N700 W1800 SE 27 8S 18E SL						2370 SOUTH 2300 WEST

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 02/24/2015

The Paper Fileroom File for this Water Right has been DESTROYED!!!

WATER RIGHT: **43-10596** APPLICATION/CLAIM NO.: **T69921** CERT. NO.:

OWNERSHIP**********

NAME: Snyder Oil Corporation
ADDR: c/o W. R. Guice
1625 Broadway Suite 2200
Denver CO 80202

DATES, ETC.**********

LAND OWNED BY APPLICANT? No COUNTY TAX ID#:

FILED: 05/13/1996	PRIORITY: 05/13/1996	PUB BEGAN:	PUB ENDED:	NEWSPAPER:
ProtestEnd:	PROTESTED: [No]	HEARNG HLD:	SE ACTION: [Approved]	ActionDate:08/16/1996 PROOF DUE:
EXTENSION:	ELEC/PROOF:[ ]	ELEC/PROOF:	CERT/WUC:	LAP, ETC: 08/16/1997 LAPS LETTER:
RUSH LETTR:05/16/1996	RENOVATE:	RECON REQ:	TYPE: [ ]	
PD BOOK: [43-]	MAP: [ ]	PUB DATE:		

*TYPE -- DOCUMENT -- STATUS----------

Type of Right: Temporary Application Source of Info: Application to Appropriate Status: Expired

LOCATION OF WATER RIGHT***(Points of Diversion: Click on Location to access PLAT Program.)********MAP VIEWER***GOOGLE VIEW*

FLOW: 0.03 cfs
SOURCE: Underground Water Well (existing)
COUNTY: Uintah COMMON DESCRIPTION: 2 miles northwest of Ouray

POINT OF DIVERSION -- UNDERGROUND: (Click Well ID# link for more well data.)
(1) S 1881 ft W 824 ft from NE cor, Sec 26, T 4S, R 1E, USBM
DIAMETER OF WELL: 10 ins. DEPTH: 0 to 2000 ft. YEAR DRILLED: WELL LOG? No WELL ID#: 11948

USES OF WATER RIGHT******** *ELU -- Equivalent Livestock Unit (cow, horse, etc.)* ******** *EDU -- Equivalent Domestic Unit or 1 Family*
(The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.)

SUPPLEMENTAL GROUP NO.: 213495.

OIL EXPLORATION: Injection well for water flooding. PERIOD OF USE: 01/01 TO 12/31
Acre Feet Contributed by this Right for this Use: 21.7194

###PLACE OF USE:	NORTH WEST QUARTER				NORTH EAST QUARTER				SOUTH WEST QUARTER				SOUTH EAST			
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE		
Sec 26 T 4S R 1E USBM								X								

DIVERSION & DEPLETION ESTIMATES**********

(All values in acre-feet, Growing Season in days)

	IRRIGATION	STOCK	DOMESTIC	MUNICIPAL	MINING	POWER	OTHER	MANUALLY EVALUATED	ACRE-FEET EXPORTED	DIVERSION DUTY	DEPLETION DUTY	GROWING SEASON	WATER-USE REPORTING
DIV:								Yes					
DEP:													

OTHER COMMENTS**********

The land where the well will be drilled is being leased by the applicant from the Ute Tribe.

Use of the well is to be injected into Green River formation through wellbore of Ute Tribal 26-1 for waterflooding.

**********E N D O F D A T A**********

Select Related Information

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 02/24/2015

WATER RIGHT: **47-1312** APPLICATION/CLAIM NO.: CERT. NO.:

OWNERSHIP

NAME: USA Bureau of Land Management
ADDR: 2370 South 2300 West
Salt Lake City UT 84119
INTEREST: 100%

DATES, ETC.

LAND OWNED BY APPLICANT? COUNTY TAX ID#:

FILED:	PRIORITY: / /1885	PUB BEGAN:	PUB ENDED:	NEWSPAPER:	
ProtestEnd:	PROTESTED: [No]	HEARNG HLD:	SE ACTION: [ ]	ActionDate:	PROOF DUE:
EXTENSION:	ELEC/PROOF: [ ]	ELEC/PROOF:	CERT/WUC:	LAP, ETC:	LAPS LETTER:
RUSH LETTR:	RENOVATE:	RECON REQ:	TYPE: [ ]		
PD BOOK: [47-]	MAP: [258c]	PUB DATE:			

*TYPE -- DOCUMENT -- STATUS

Type of Right: Diligence Claim Source of Info: Proposed Determination **Status:**

LOCATION OF WATER RIGHT* (Points of Diversion: Click on Location to access PLAT Program.) ********MAP VIEWER***GOOGLE VIEW***

FLOW:
SOURCE: Pleasant Valley Creek
COUNTY: Duchesne COMMON DESCRIPTION:

POINT OF DIVERSION -- POINT TO POINT:
(1)Stockwatering directly on stream from a point at S 660 ft. E 660 ft. from W4 corner, Sec 20, T4S, R1E, USBM,
to a point at N 660 ft. W 660 ft. from E4 corner, Sec 29, T4S, R1E, USBM.
COMMENT: Administratively updated by State Engineer.

USES OF WATER RIGHT****** *ELU -- Equivalent Livestock Unit (cow, horse, etc.)* ******** *EDU -- Equivalent Domestic Unit or 1 Family*
(The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.)

SUPPLEMENTAL GROUP NO.: 225462.

OTHER COMMENTS

USES: Provides water, when present, for sheep trail herds.

**********END OF DATA**********

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 02/24/2015

WATER RIGHT: **47-1313** APPLICATION/CLAIM NO.: CERT. NO.:

OWNERSHIP

NAME: USA Bureau of Land Management
ADDR: 2370 South 2300 West
Salt Lake City UT 84119
INTEREST: 100%

DATES, ETC.

LAND OWNED BY APPLICANT? COUNTY TAX ID#:

FILED:	|PRIORITY: / /1885	|PUB BEGAN:	|PUB ENDED:	|NEWSPAPER:
ProtestEnd:	|PROTESTED: [No]	|HEARNG HLD:	|SE ACTION: [ ]	|ActionDate: |PROOF DUE:
EXTENSION:	|ELEC/PROOF: [ ]	|ELEC/PROOF:	|CERT/WUC:	|LAP, ETC: |LAPS LETTER:
RUSH LETTR:	|RENOVATE:	|RECON REQ:	|TYPE: [ ]	
PD BOOK: [47-]	|MAP: [282b]	|PUB DATE:		

*TYPE -- DOCUMENT -- STATUS

Type of Right: Diligence Claim Source of Info: Proposed Determination **Status:**

LOCATION OF WATER RIGHT*(Points of Diversion: Click on Location to access PLAT Program.)********MAP VIEWER***GOOGLE VIEW***

FLOW:
SOURCE: Pleasant Valley Creek
COUNTY: Uintah COMMON DESCRIPTION:

POINT OF DIVERSION -- POINT TO POINT:
(1)Stockwatering directly on stream from a point at ,
to a point at S 660 ft. E 1980 ft. from W4 corner, Sec 27, T8S, R18E, SLBM.
COMMENT: Administratively updated by State Engineer.

USES OF WATER RIGHT****** *ELU -- Equivalent Livestock Unit (cow, horse, etc.)* ******** *EDU -- Equivalent Domestic Unit or 1 Family*
(The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.)

SUPPLEMENTAL GROUP NO.: 225457. Water Rights Appurtenant to the following use(s):
47-1299(DIL),1300(DIL),**1313(DIL)**,1318(DIL)

STOCKWATER: Beneficial Use Amt: UNEVALUATED ELUs Group Total: 801.0000 PERIOD OF USE: 11/16 TO 04/15
Myton Unit - Eight Mile Flat Allotment

PLACE OF USE for STOCKWATERING

	NORTH-WEST¼ NW NE SW SE	NORTH-EAST¼ NW NE SW SE	SOUTH-WEST¼ NW NE SW SE	SOUTH-EAST¼ NW NE SW SE
Sec 27 T 8S R 18E SLBM	* : : : *	* : : : *	* : X: : *	* : : : *
Sec 27 T 8S R 18E SLBM	*LOT 4			

**********E N D O F D A T A**********

(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 02/24/2015

WATER RIGHT: **47-1560** APPLICATION/CLAIM NO.: **A50236** CERT. NO.:

OWNERSHIP

NAME: USA Bureau of Land Management
ADDR: 2370 South 2300 West
Salt Lake City UT 84119

DATES, ETC.

LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#:
FILED: 09/15/1977|PRIORITY: 09/15/1977|PUB BEGAN: 11/24/1977|PUB ENDED: 12/08/1977|NEWSPAPER: Vernal Express
ProtestEnd:01/07/1978|PROTESTED: [No]|HEARNG HLD: |SE ACTION: [ ]|ActionDate: |PROOF DUE:
EXTENSION: |ELEC/PROOF:[ ]|ELEC/PROOF: |CERT/WUC: |LAP, ETC: |LAPS LETTER:
RUSH LETTR: |RENOVATE: |RECON REQ: |TYPE: [ ]
PD BOOK: [47-]|MAP: [ ]|PUB DATE:
*TYPE -- DOCUMENT -- STATUS

Type of Right: Application to Appropriate Source of Info: Application to Appropriate **Status: Unapproved**

LOCATION OF WATER RIGHT***(Points of Diversion: Click on Location to access PLAT Program.)********MAP VIEWER***GOOGLE VIEW*

FLOW: 10.0 cfs OR 4000.0 acre-feet
SOURCE: Pariette Draw
COUNTY: Uintah COMMON DESCRIPTION:

POINTS OF DIVERSION -- SURFACE:

(1) N 2600 ft E 1700 ft from SW cor, Sec 25, T 8S, R 17E, SLBM
Diverting Works: Source:
(2) N 1500 ft 0 ft from SE cor, Sec 26, T 8S, R 17E, SLBM
Diverting Works: Source:
(3) N 700 ft W 1800 ft from SE cor, Sec 27, T 8S, R 18E, SLBM
Diverting Works: Source:
(4) S 2000 ft E 200 ft from NW cor, Sec 28, T 8S, R 18E, SLBM
Diverting Works: Source:
(5) N 2500 ft E 1300 ft from SW cor, Sec 29, T 8S, R 18E, SLBM
Diverting Works: Source:
(6) S 1800 ft E 600 ft from NW cor, Sec 29, T 8S, R 18E, SLBM
Diverting Works: Source:
(7) N 2000 ft W 2300 ft from SE cor, Sec 35, T 8S, R 18E, SLBM
Diverting Works: Source:
(8) N 100 ft W 1700 ft from SE cor, Sec 06, T 9S, R 19E, SLBM
Diverting Works: Source:
(9) N 1800 ft W 900 ft from SE cor, Sec 08, T 9S, R 19E, SLBM
Diverting Works: Source:

Stream Alt Required?: No

USES OF WATER RIGHT******** *ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******** EDU -- Equivalent Domestic Unit or 1 Family*
(The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.)

SUPPLEMENTAL GROUP NO.: 225515.

IRRIGATION: 340.0 acres PERIOD OF USE: 04/01 TO 10/31

WILDLIFE: To develop wildlife habitat for a variety of species deer, antelope, waterfowl PERIOD OF USE: 01/01 TO 12/31
Acre Feet Contributed by this Right for this Use: Unevaluated

###PLACE OF USE:	NORTH WEST QUARTER				NORTH EAST QUARTER				SOUTH WEST QUARTER				SOUTH EAST
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE
Sec 25 T 8S R 17E SLBM								X						
Sec 26 T 8S R 17E SLBM														17.0000
Sec 30 T 8S R 17E SLBM	X		X											
Sec 27 T 8S R 18E SLBM	X	X	X	X					X	X	X	X	X	X
Sec 28 T 8S R 18E SLBM			X											
Sec 29 T 8S R 18E SLBM			X					X	X					X
Sec 35 T 8S R 18E SLBM									X	X	X	X	X	X
Sec 06 T 9S R 19E SLBM													X	X
Sec 08 T 9S R 19E SLBM	X	X	X	X	X	X	X	X						

PLACE OF USE for STOCKWATERING

	NORTH-WEST¼ NW NE SW SE	NORTH-EAST¼ NW NE SW SE	SOUTH-WEST¼ NW NE SW SE	SOUTH-EAST¼ NW NE SW SE
Sec 25 T 8S R 17E SLBM	* : : : *	* : : : X*	* : : : *	* : : : *
Sec 25 T 8S R 17E SLBM	* : : : *	* : : : *	* X: X: X: X*	* : : : *
Sec 26 T 8S R 17E SLBM	* : : : *	* : : : *	* : : : *	* : X: : *
Sec 30 T 8S R 17E SLBM	* X: : X: *	* : : : *	* : : : *	* : : : *
Sec 27 T 8S R 18E SLBM	* X: X: X: X*	* : : : *	* X: X: X: X*	* X: X: X: X*
Sec 28 T 8S R 18E SLBM	* : : X: *	* : : : *	* : : : *	* : : : *
Sec 29 T 8S R 18E SLBM	* : : X: *	* : : : X*	* X: : : *	* : X: : *
Sec 35 T 8S R 18E SLBM	* : : : *	* : : : *	* X: X: X: X*	* X: X: X: X*
Sec 06 T 9S R 19E SLBM	* : : : *	* : : : *	* : : : *	* X: X: X: X*
Sec 08 T 9S R 19E SLBM	* X: X: X: X*	* X: X: X: X*	* : : : *	* : : : *

**********E N D O F D A T A**********

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(WARNING: Water Rights makes NO claims as to the accuracy of this data.) RUN DATE: 02/24/2015

WATER RIGHT: **47-1560** APPLICATION/CLAIM NO.: **A50236** CERT. NO.:

OWNERSHIP**********

NAME: USA Bureau of Land Management
ADDR: 2370 South 2300 West
Salt Lake City UT 84119

DATES, ETC.**********

LAND OWNED BY APPLICANT? Yes COUNTY TAX ID#:
FILED: 09/15/1977|PRIORITY: 09/15/1977|PUB BEGAN: 11/24/1977|PUB ENDED: 12/08/1977|NEWSPAPER: Vernal Express
ProtestEnd:01/07/1978|PROTESTED: [No]|HEARNG HLD: |SE ACTION: [ ]|ActionDate: |PROOF DUE:
EXTENSION: |ELEC/PROOF:[ ]|ELEC/PROOF: |CERT/WUC: |LAP, ETC: |LAPS LETTER:
RUSH LETTR: |RENOVATE: |RECON REQ: |TYPE: [ ]
PD BOOK: [47-]|MAP: [ ]|PUB DATE:
TYPE -- DOCUMENT -- STATUS----------
Type of Right: Application to Appropriate Source of Info: Application to Appropriate **Status: Unapproved**

LOCATION OF WATER RIGHT***(Points of Diversion: Click on Location to access PLAT Program.)********MAP VIEWER***GOOGLE VIEW*

FLOW: 10.0 cfs OR 4000.0 acre-feet
SOURCE: Pariette Draw
COUNTY: Uintah COMMON DESCRIPTION:

POINTS OF DIVERSION -- SURFACE:
(1) N 2600 ft E 1700 ft from SW cor, Sec 25, T 8S, R 17E, SLBM
Diverting Works: Source:
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Diverting Works: Source:
(3) N 700 ft W 1800 ft from SE cor, Sec 27, T 8S, R 18E, SLBM
Diverting Works: Source:
(4) S 2000 ft E 200 ft from NW cor, Sec 28, T 8S, R 18E, SLBM
Diverting Works: Source:
(5) N 2500 ft E 1300 ft from SW cor, Sec 29, T 8S, R 18E, SLBM
Diverting Works: Source:
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Diverting Works: Source:
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Diverting Works: Source:
(8) N 100 ft W 1700 ft from SE cor, Sec 06, T 9S, R 19E, SLBM
Diverting Works: Source:
(9) N 1800 ft W 900 ft from SE cor, Sec 08, T 9S, R 19E, SLBM
Diverting Works: Source:

Stream Alt Required?: No

USES OF WATER RIGHT******** *ELU -- Equivalent Livestock Unit (cow, horse, etc.) ******** EDU -- Equivalent Domestic Unit or 1 Family*
(The Beneficial Use Amount is the quantity of Use that this Water Right contributes to the Group Total.)

SUPPLEMENTAL GROUP NO.: 225515.

IRRIGATION: 340.0 acres PERIOD OF USE: 04/01 TO 10/31

WILDLIFE: To develop wildlife habitat for a variety of species deer, antelope, waterfowl PERIOD OF USE: 01/01 TO 12/31
Acre Feet Contributed by this Right for this Use: Unevaluated

###PLACE OF USE:	NORTH WEST QUARTER				NORTH EAST QUARTER				SOUTH WEST QUARTER				SOUTH EAST			
	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE	NW	NE	SW	SE
Sec 25 T 8S R 17E SLBM								X								
Sec 26 T 8S R 17E SLBM														17.0000		
Sec 30 T 8S R 17E SLBM	X		X													
Sec 27 T 8S R 18E SLBM	X	X	X	X					X	X	X	X	X	X	X	X
Sec 28 T 8S R 18E SLBM			X													
Sec 29 T 8S R 18E SLBM			X					X	X					X		
Sec 35 T 8S R 18E SLBM									X	X	X	X	X	X	X	X
Sec 06 T 9S R 19E SLBM													X	X	X	X
Sec 08 T 9S R 19E SLBM	X	X	X	X	X	X	X	X								

PLACE OF USE for STOCKWATERING**********

	NORTH-WEST¼ NW NE SW SE	NORTH-EAST¼ NW NE SW SE	SOUTH-WEST¼ NW NE SW SE	SOUTH-EAST¼ NW NE SW SE
Sec 25 T 8S R 17E SLBM	* : : : *	* : : : X*	* : : : *	* : : : *
Sec 25 T 8S R 17E SLBM	* : : : *	* : : : *	* X: X: X: X*	* : : : *
Sec 26 T 8S R 17E SLBM	* : : : *	* : : : *	* : : : *	* : X: : *
Sec 30 T 8S R 17E SLBM	* X: : X: *	* : : : *	* : : : *	* : : : *
Sec 27 T 8S R 18E SLBM	* X: X: X: X*	* : : : *	* X: X: X: X*	* X: X: X: X*
Sec 28 T 8S R 18E SLBM	* : : X: *	* : : : *	* : : : *	* : : : *
Sec 29 T 8S R 18E SLBM	* : : X: *	* : : : X*	* X: : : *	* : X: : *
Sec 35 T 8S R 18E SLBM	* : : : *	* : : : *	* X: X: X: X*	* X: X: X: X*
Sec 06 T 9S R 19E SLBM	* : : : *	* : : : *	* : : : *	* X: X: X: X*
Sec 08 T 9S R 19E SLBM	* X: X: X: X*	* X: X: X: X*	* : : : *	* : : : *

**********E N D O F D A T A**********

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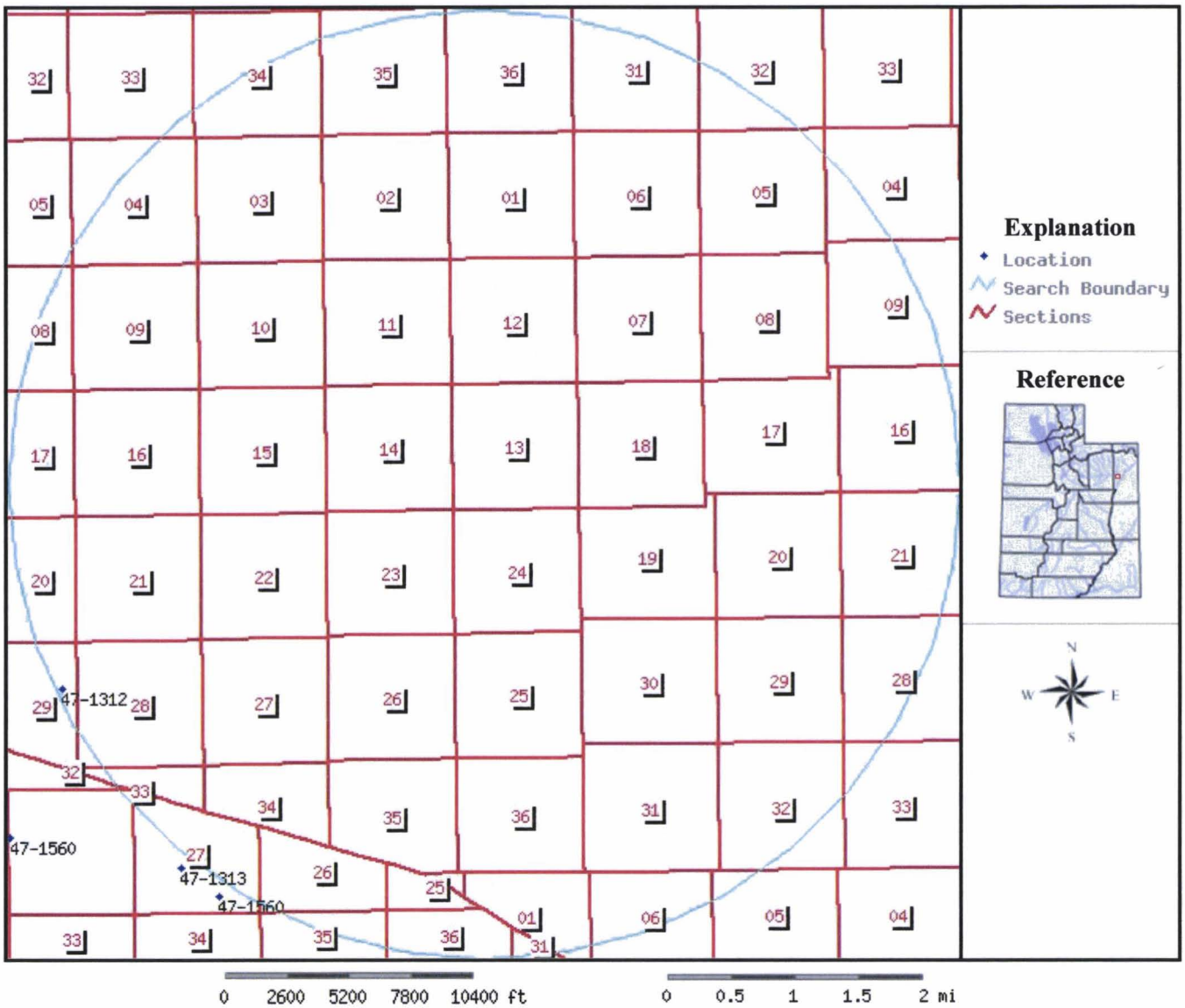
Central Search

Utah Division of Water Rights



See 14
70 ft. well

43-047-54256
1075 fsl
1289 fwl
13-4S-1E
UBM

Star Point
Enterprises, Inc.

2580 Creekview Road
Moab, Utah 84532
435/650-3866

Original submittal
RECEIVED
FEB 16 2015
DIV. OF OIL, GAS & MINING

February 13, 2015

Brad Hill – Oil & Gas Permitting Manager
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Application for Class II Injection Well – Ute 13-1 SWD – Finley Resources, Inc.

Dear Mr. Hill;

On behalf of Finley Resources, Inc., Star Point Enterprises, Inc. respectfully submits the attached Application for Injection Well (UIC Form 1) with supplemental information for conversion of the existing Ute 13-1 SWD to an Underground Injection Control Class II Injection Well. The Ute 13-1 SWD was recently drilled and is presently completed and capable of water disposal with expedited review and processing of this application requested. Following approval the well would be utilized exclusively for the purpose of subsurface injection of water from Finley Resources, Inc. (Finley) operations in the area of the Leland Bench and Windy Ridge Fields with no commercial use proposed.

Thank you very much for your previous approval of our application. Please feel free to contact Clay O'Neil at clay@finleyresources.com or 817-713-9514 myself at starpoint@etv.net or 435-650-3866 should you have any questions or need additional information.

Sincerely,

Don Hamilton

Don Hamilton, Permitting Agent

cc: Clay O'Neil, Finley Resources, Inc.
April Wilkerson, Finley Resources, Inc.

Original Submittal RECEIVED

FEB 16 2015

DIV. OF OIL, GAS & MINING

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

UIC FORM 1

APPLICATION FOR INJECTION WELL

Name of Operator	Utah Account Number	Well Name and Number
Finley Resources, Inc.	N 3460	Ute 13-1 SWD
Address of Operator	**Phone Number**	**API Number**
P.O. Box 2200 CITY Ft. Worth STATE TX ZIP 76113	(817) 231-8735	4304754256
Location of Well		**Field or Unit Name**
Footage : 1075 FSL 1289 FWL County : Uintah		Windy Ridge
QQ, Section, Township, Range: SWSW 13 4S 1E State : UTAH		**Lease Designation and Number** 1420H624896

Is this application for expansion of an existing project?		Yes ☐	No ☑
Will the proposed well be used for:	Enhanced Recovery?	Yes ☐	No ☑
	Disposal?	Yes ☑	No ☐
	Storage?	Yes ☐	No ☑
Is this application for a new well to be drilled?		Yes ☐	No ☑
If this application is for an existing well, has a casing test been performed?		Yes ☑	No ☐

Date of test: 2/2/2015

Proposed injection interval: from 3,228 to 3,566

Proposed maximum injection: rate 5,000 bpd pressure 300 psig

Proposed injection zone contains oil ☐, gas ☐, and / or fresh water ☐ within ½ mile of the well.

List of attachments: (see attached report with detailed attachment list)

ATTACH ADDITIONAL INFORMATION AS REQUIRED BY CURRENT UTAH OIL AND GAS CONSERVATION GENERAL RULES

I hereby certify that this report is true and complete to the best of my knowledge.

Name (Please Print) Don Hamilton Title Permitting Agent

Signature Don Hamilton Date 2/13/2015

(5/2002)

UNDERGROUND INJECTION CONTROL PERMIT APPLICATION

UIC CLASS II INJECTION WELL

RECEIVED
FEB 16 2015
DIV. OF OIL, GAS & MINING

FINLEY resources
ACQUIRE » DEVELOP » SUCCEED

UTE 13-1 SWD
SWSW, SEC. 13, T4S, R1E, USB&M
Uintah County, Utah
API # 43-047-54256
Lease # 1420H624896

Prepared for:

Brad Hill – Oil & Gas Permitting Manager
Division of Oil, Gas and Mining
1594 West North Temple
Salt Lake City, Utah 84116

February 13, 2015

Ute Tribal 13-1 SWD
SWSW, Sec. 13, T4S, R1E, USB&M
Uintah County, Utah

LIST OF FIGURES

EXECUTIVE SUMMARY

The proposed Ute 13-1 SWD well is located in the SW/4 SW/4 (1,075 feet FSL and 1,289 feet FWL), of Section 13, Township 4 South, Range 1 East, in Uintah County, Utah. The well will be an Underground Injection Control (UIC) Class II injection well used exclusively for the purpose of subsurface injection of water from Finley Resources, Inc. (Finley) operations in the area of the Leland Bench and Windy Ridge Fields. The permit to drill application for the Ute 13-1 SWD well was approved by the Utah Division of Oil, Gas and Mining (UDOGM) on March 5, 2014. The well was subsequently spud on December 12, 2014 and completed as an injection well on January 26, 2015.

The Ute 13-1 SWD has been drilled to a total depth of 3,830 feet below the ground surface (bgs) with a plug back total depth (pbtd) of 3,774 feet. The well has been perforated in the Green River Formation Birds Nest Aquifer with an isolation packer set above the aquifer at 3,177 feet.

The UDOGM database indicates there are five wells located within the one-half mile radius Area of Review (AOR) for the proposed Ute 13-1 SWD. A cement bond log (CBL) has been completed to verify there is an 80% or better bond across the proposed injection intervals and the upper and lower confining layers. Required logs have been run across the proposed injection zones to demonstrate well suitability, establish the true maximum allowable injection pressure, and verify zone isolation.

Regional geologic and hydrologic studies reflect the Green River Formation is designated as moderately saline groundwater. Samples have been collected and analyzed from the proposed injection interval to confirm the zones within the Green River Formation are not considered an underground source of drinking water (USDW). It is anticipated that the targeted Green River interval has sufficient storage capacity at the Ute 13-1 SWD area to accept all anticipated injected volumes.

The well will be used to inject approved Class II wastes brought to the surface including but not limited to drilling fluids, spent well completion fluids and treatment and stimulation fluids. The well will not be utilized for commercial brine or other fluid disposal operations. Injected fluids will be limited to fluids produced in connection with oil and gas production in the Leland Bench and Windy Ridge Field by Finley.

UIC WELL APPLICATION
UTE 13-1 SWD
API 43047542560000

The following document contains information provided in support of the application for new construction of the Ute 13-1 SWD to be utilized as a Class II injection well.

The Ute 13-1 injection well has been constructed following State of Utah approval. Finley plans to utilize the Ute 13-1 SWD well as an injection well for disposal of produced fluids from Finley wells operated in the Leland Bench and Windy Ridge Field. The well has been perforated to inject into the Birds Nest Aquifer (located at depth ranging from 3,238 to 3,566 feet bgs) with an isolation packer installed at 3,177 feet.

The Ute 13-1 SWD well falls within the Indian Country boundary but the EPA has previously been notified and determined that the UIC application, review and approval would fall under the direction of the UDOGM.

Finley's business address and phone number is provided below:

Finley Resources Inc.
1308 Lake Street Fort Worth, Texas 76113
817.336.1924

AREA OF REVIEW

Enclosed as **Figure A1** is a map reflecting the area surrounding the proposed Ute 13-1 well. The legal location for the Ute 13-1 SWD well is 1,075' FSL & 1,289' FWL, SWSW, Section 13, T4S, R1E, USB&M, Uintah County, Utah. This map includes a one-half mile radius Area of Review (AOR) centered on the proposed Ute 13-1 SWD well. Finley is required to investigate all wells for mechanical integrity within the AOR. There are five wells located within the AOR that are operated by Finley (Ute 13-11A-4-1, Ute 13-12A-4-1, Ute 13-13A-4-1, Ute 13-14A-4-1 and Ute 13-15A-4-1). All five wells have recently been drilled and completed. Refer to **Table A-1** for details of the wells located within the AOR.

Table A-1: AOR Well Details

Well Details			*Surface Casing*			*Production Casing*		
Well	Well Status	Distance from Injector (feet)	Size (inches)	Depth (feet)	Cement Top	Size (inches)	Depth (feet)	Estimated Cement Top (feet)
Ute 13-1 SWD	Completed SWD	0	9 5/8	358	Surface	7	3,789	Surface
Ute 13-11A-4-1	Producing Oil	1613	8 5/8	508	Surface	5 1/2	7,680	242
Ute 13-12A-4-1	Producing Oil	1541	8 5/8	505	Surface	5 1/2	7,773	256
Ute 13-13A-4-1	Producing Oil	1056	8 5/8	502	Surface	5 1/2	7,665	180
Ute 13-14A-4-1	Producing Oil	1162	8 5/8	502	Surface	5 1/2	7,664	270
Ute 13-15A-4-1	Producing Oil	2417	8 5/8	529	Surface	5 1/2	7,618	234

Figure A-2 identifies surface ownership and the lease operator of those lands within a one-half mile radius of the Ute 13-1 SWD, the owners thereof, which must be provided notice of this application. Below is a listing of the names and addresses of all owners of record of land within a one-half mile radius of the proposed Ute 13-1 SWD injection well. The Ute Tribe (910 South 7500 East, Fort Duchesne, UT 84026) owns the mineral rights within one-half mile of the proposed injection well. Also included as **Figure A-3** is the Affidavit of Mailing.

Table A-2: List of Surface Owners within the AOR

Sections 13 & 14 (all)
Uintah Partners LLC
C/O Troy Dana
2825 E Cottonwood Parkway, #555
Salt Lake City, Utah 84121

Section 23 (N/2), 24 (all)
Salradus LLC
C/O Bonnie Coleman, Managing Member
362 N. Main Street
Heber City, Utah 84032

Coleman Mountain Holdings, LLC
C/O Mary Jo Coleman
3940E Hidden Springs Drive
Washington, Utah 84780

Coleman Family Trust, dated June 7, 1991
C/O Joseph N. Coleman, Trustee
393 East Center
Heber City, Utah 84032

Coleman Family Trust, dated June 28, 1991
C/O Leila Coleman, Trustee
950 South 400 East #104
St. George, Utah 84770

WELL DATA

The **Ute 13-1 SWD** well has been drilled and completed as an injection well within the Birds Nest aquifer of the Green River Formation. The proposed injection zone is located from 3,238 feet to 3,566 feet bgs. Finley proposes to utilize the Ute 13-1 SWD well for disposal of produced water from wells that Finley has working interest or operated wells located in Uintah County. **Figure B1** reflects a completed well bore diagram for the Ute 13-1 SWD well. Gamma ray and other open-hole logs, as well as, a cement bond log for the proposed injection well have previously been submitted to the UDOGM. The existing five oil production wells within a one-half mile radius of the proposed injection well have been reviewed in detail for mechanical integrity with no corrective actions identified. Copies of all regulatory filings regarding activities related to the physical state of these wells can be accessed at the Utah Division of Oil, Gas and Mining (UDOGM) online information system website.

NAME AND DEPTHS OF USDW's

A map of the Base of Moderately Saline Water (BMSW) (Plate1: BMSW Elevation Contour Map, Uinta Basin, Utah [DNR, 2012][1], shows the elevation to the BMSW (3,000 to 10,000 mg/L TDS] to be approximately 4,200 feet above mean sea level (amsl) at the location of the proposed UIC well. The surveyed ground elevation (ungraded) at Ute 13-1 SWD is 5,103 feet amsl. Based on Plate 1 and the surveyed ground elevation; the BMSW occurs at a depth of approximately 903 feet at the proposed Ute 13-1 SWD location. The top of the uppermost proposed injection interval is approximately 2,330 feet below the approximate BMSW depth. **Figure C1** contains a figure which shows the location of the injection well on Plate 1.

A search of Division of Water Rights records shows one water right within a 10,000 foot radius of the Ute 13-1 SWD well location. **Figure C2** shows the closest known potential Underground Source of Drinking Water (USDW) to the proposed UIC well at approximately 1.6 miles to the south. Division of Water Rights records indicates the closet well (ID: 43-10596) was drilled to a depth of 2,000 feet below the ground surface. The well is located very near the existing Finley 26-1 SWI well. A note in the Division files indicates a cap was welded on top of the casing while the owner (Synder Oil) decided if they wanted to complete the well. The regional and district Division offices were contacted inquiring additional information for this well. In both cases, no additional information from what is stated on the Division database was obtained.

GEOLOGY OF INJECTION AND CONFINING ZONES

The injection and confining intervals for the AOR are listed in the following table and are gross geologic intervals:

Table D-1 Estimated Tops of Important Geologic Markers

Formation	Depth in feet
Duchesne River	0 to 2,278
Base of Moderately Saline GW	903
Green River	2,278
Top Bird's Nest	3,222
Base Bird's Nest	3,589
TD	**3,830**
Mahogany Bench	3,885

[1] Moderately Saline Groundwater in the Uinta Basin, Utah: Special Study 144, Utah Geological Survey, Division of Utah Department of Natural Resources, 2012.

General Geology

Duchesne River Formation: Estimated surface to 2,278' in the Ute 13-1 SWD area.

The Duchesne River Formation (Eocene) consists of conglomerates, sandstones, siltstones and claystones with horizontal bedding and uniformly spaced joints characterizing the unit. Approximately 50 percent of the formation is comprised of sandstone. The Duchesne River Formation ranges in color from red to grayish-red and is commonly cross stratified.

Green River Formation: Estimated 2,278' to 7,000' in the Ute 13-1 SWD area.

The Green River Formation (Eocene) is a complex mixture of clastics, carbonates and organic rich claystones deposited in an alluvial to lacustrine depositional system. The Green River interfingers with both the overlying Uinta and underlying Wasatch Formations. The Green River Formation is subdivided into four members, which in ascending order are: Douglas Creek Member, Garden Gulch Member, Parachute Creek Member and Evacuation Creek Member.

- The Douglas Creek Member consists of light gray alternating beds of calcareous sandstone and dark gray to brown brittle shale with minor amounts of oil shale, dolomite and limestone.
- The Garden Gulch Member directly overlies the Douglas Creek Member and consists primarily of dark colored shales and very fine grained sandstones. Shale intervals are thicker than those of the Douglas Creek Member and organic rich.
- The Parachute Creek Member directly overlies the Garden Gulch Member and consists of a thick succession of dark brown, dark gray, light green and red shales with occasional fine grained sandstones. The Parachute Creek Member contains the most organic rich oil shales, including the Mahogany Oil Shale Zone. The top of the Mahogany zone is estimated to be 3,890 feet bgs in the area of the Ute 13-1 SWD.
- The Evacuation Creek Member directly overlies the Parachute Creek Member and is overlain by the Uinta Formation. The Evacuation Creek Member is composed primarily of light gray-green shale, tan marl and interbedded thin brown sandstones. The upper portion of the Evacuation Creek Member contains the informally named "Birds Nest" zone. The Birds Nest was deposited during a regressive lacustrine phase. The lake waters in the deeper portion of the lake became concentrated in salts, primarily sodium bicarbonate during this regressive phase.

Upper Confining Layer:

The upper confining zone is composed of very fine grained organic lean oil shale and lacustrine marlstone in the Parachute Creek member of the Green River formation. The

gross thickness of the upper confining zone averages between 275 and 300 feet. The average thickness of the upper confining zone in the area of the proposed Ute Tribal 13-1 SWD is 285 feet.

Injection Zone:

The proposed injection zones are between 3,238 to 3,566 feet located in the Birds Nest zone of the Evacuation Creek Member of the Green River formation. These intervals are composed of porous and permeable carbonate oil shale with large vugular porosity connected through an extensive fracture network. The combined thickness of the proposed injection zones is 328 feet.

Lower Confining Layer:

The lower confining zone is composed of very fine grained organic lean oil shale and lacustrine marlstone in the Parachute Creek member of the Green River formation. The gross thickness of the lower confining zone averages between 300 and 350 feet. The average thickness of the lower confining zone in the area of the proposed Ute Tribal 13-1 SWD is 330 feet.

Figure D1 is a cross-section of wells in the AOR showing the correlation of the upper confining zone, injection zone and lower confining zone. **Figure D2** is a structure map for the top of the lower confining zone.

OPERATING DATA

The daily volumetric disposal for the Ute Tribal 13-1 injection well will vary depending upon water production rates from producing wells in the vicinity. Finley anticipates an additional injection volume of 5,000 barrels of water per day (BWPD). Injection rate will be constrained by the maximum allowable injection pressure (MAIP) at the surface. The EPA has established a set injection pressure for all Birds Nest Aquifer disposal wells. Injection pressure of 300 pounds per square inch (psi) is equivalent to a formation fracture gradient of 0.62 psi per foot (psi/ft). This established fracture gradient is lower than known fracture pressures in the Uinta basin to ensure that 300 psi injection will not cause fractures in the Birds Nest.

STIMULATION PROCEDURES

No stimulation is planned for this project.

INJECTION PROCEDURES

Injection fluids are planned to be trucked or piped to the site for disposal. The injected fluid will consist of produced water from the Leland Bench and Windy Ridge wells operated by Finley. No fluid of any type from outside-operated wells will be injected. **Figure G1** is a list of current wells with water composition that will utilize the injection well. Finley reserves the right to add wells as they are drilled and completed within the project area.

Figure G2 contains water analysis reports for produced water collected from the Ute Tribal 13-08A, Ute Tribal 13-11A-4-1 wells. These analyses represent typical water which will be injected. The average TDS concentration of the two wells is 49,359.17 mg/l. The details and results for the injection formation samples and injection water samples are summarized in **Table G-1**.

Table G-1: Summary of TDS Concentrations Analyzed

Well Name	Sample Date	Sample Site	TDS (mg/l)
Ute 13-1 SWD	1/28/2015	Well	177,851.53
Ute Tribal 13-08A	3/29/2013	Well	51,321.78
Ute Tribal 13-11A-4-1	3/11/2013	Treater	47,396.56

Figure G3 reflects formation water analysis and a compatibility report with the injection fluids summarized in **Table G-1** above. Finley is requesting an average injection rate of 5,000 BWPD based on the attached **Figure G4** reflecting a step rate test completed on the injection interval; however, the actual injection rate will be established based on the MAIP at the surface. Injection will not begin until corrective action has been taken and the regulatory agencies have issued authorization to inject.

Finley plans to install monitoring equipment, as required by the DOGM. At a minimum, the well will be installed with pressure gauges, calibrated at all times to industry standards and manufacturer's specifications, on the tubing and on the casing-tubing annulus. If any non-compliant situation is found, the well will be immediately shut-in and regulatory agencies notified. Injection will not resume until corrective action has been taken and the regulatory agencies have issued authorization to inject.

PLUGGING AND ABANDONMENT PLAN

The Plugging & Abandonment (P&A) procedure for the Ute 13-1 SWD well will be conducted in accordance with UDOGM guideline requirements. **Figure H1** includes:

- P&A Procedure
- Schematic of proposed P&A plan

FINANCIAL RESPONSIBILITY DEMONSTRATION

Finley is required to maintain financial responsibility and resources to close, plug and abandon the underground injection operation in a manner prescribed by the UDOGM. The permittee has shown evidence of such financial responsibility to the UDOGM by the submission of a surety bond acceptable to the UDOGM.

AQUIFER EXEMPTION

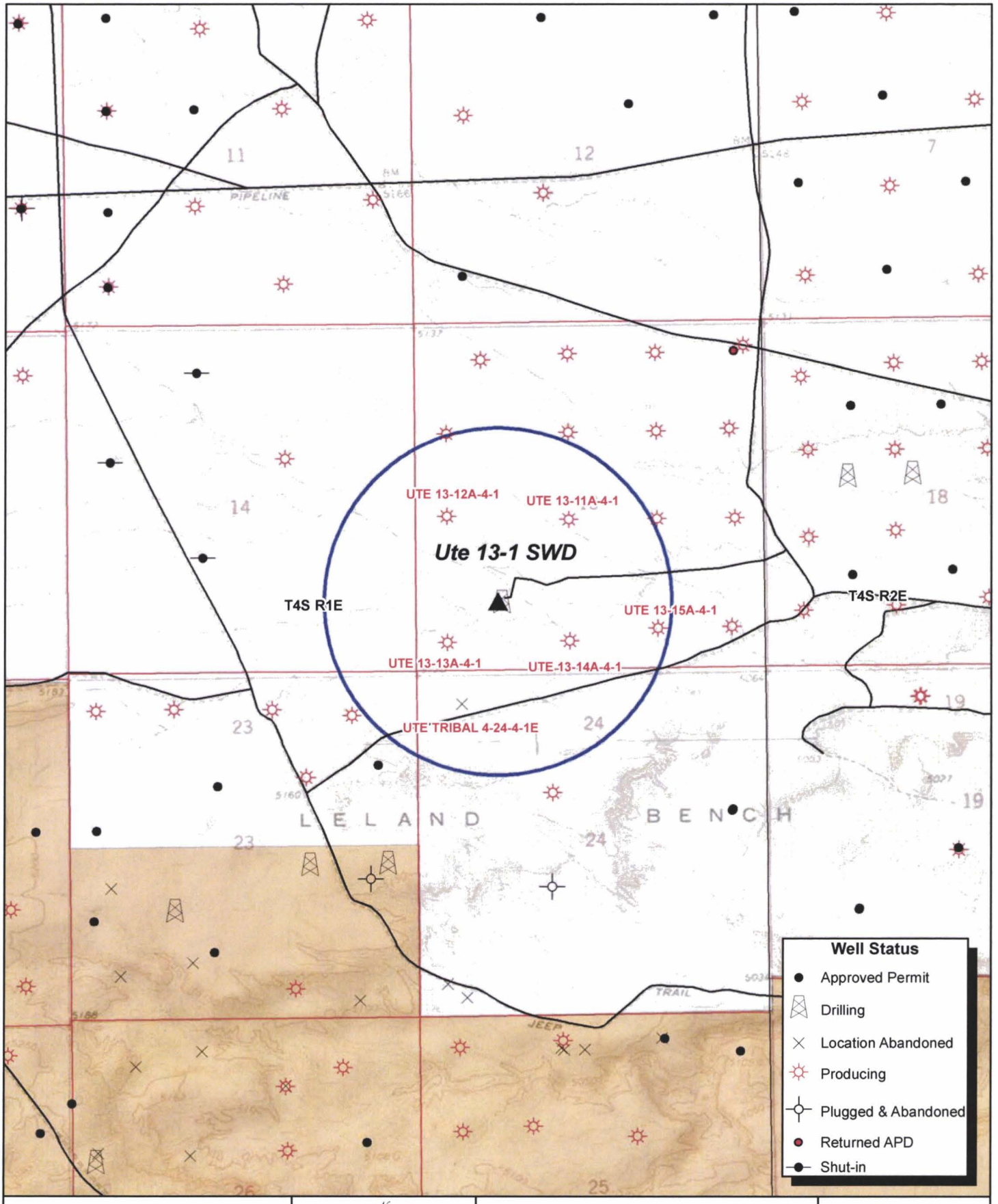
An aquifer exemption is not expected at the proposed Ute 13-1 SWD well. The average concentration of TDS for injected water is 49,360 mg/L with injection formation concentration at 177,851.53 mg/L. The Ute 13-1 SWD is located approximately 1.6 miles from the closest known potential USDW.

EXISTING UIC AUTHORIZATIONS

Finley has two EPA issued permits

Ute Tribe 26-1 SWI
UIC Permit UT2780-04280
Uintah County, Utah

Ute Tribal 22-2 SWI
UIC Permit UT22266-29945
Uintah County, Utah



LEGEND

- Ute 13-1 SWD
- Roads
- Half Mile Radius

Land Ownership

- Private
- Tribal

N W E S

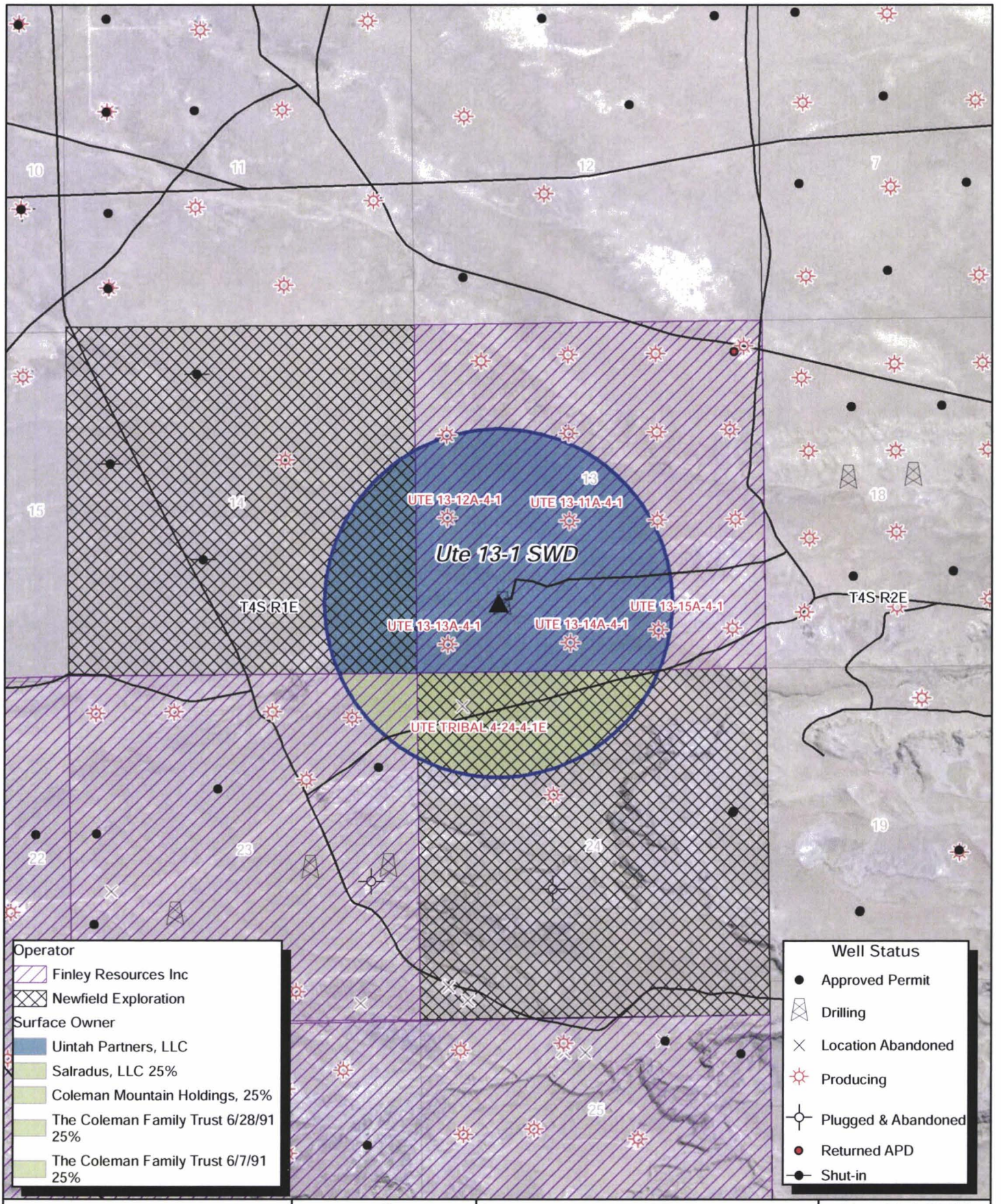
0 1,000 2,000
Feet
1 in = 2,000 feet

FR FINLEY resources
ACQUIRE » DEVELOP » SUCCEED

Ute 13-1 SWD Half Mile Radius

Figure **A-1**

February 2015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UTE 13-12A-4-1
UTE 13-11A-4-1
Ute 13-1 SWD
UTE 13-15A-4-1
UTE 13-13A-4-1
UTE 13-14A-4-1
UTE TRIBAL 4-24-4-1E
T4S R1E
T4S R2E
Operator
Finley Resources Inc
Newfield Exploration
Surface Owner
Uintah Partners, LLC
Salradus, LLC 25%
Coleman Mountain Holdings, 25%
The Coleman Family Trust 6/28/91 25%
The Coleman Family Trust 6/7/91 25%
Well Status
Approved Permit
Drilling
Location Abandoned
Producing
Plugged & Abandoned
Returned APD
Shut-in
LEGEND
Ute 13-1 SWD
Roads
Half Mile Radius
N
W
E
S
0
1,000
2,000
Feet
1 in = 2,000 feet
FR FINLEY resources
ACQUIRE » DEVELOP » SUCCEED
Ute 13-1 SWD Surface Ownership
Figure A-2
February 2015

AFFIDAVIT OF MAILING

Finley Resources Inc, 1308 Lake Street, Fort Worth, Texas 76113 has identified all of the operators, owners, and surface owners within a one-half mile radius of the proposed injection well.

I, Anthony Actis, Professional, Kleinfelder, Inc., being first duly sworn, depose and state as follows; On May 20, 2014 I caused to be mailed by certified mail, postage prepaid, return receipt requested, an affidavit certifying that a copy of the application has been provided to all operators, owners, and surface owners within a one-quarter mile radius of the proposed injection well

The attached list contains the names of all parties who were notified.

Dated this 20th day of May, 2014

Anthony Actis
Professional
Kleinfelder, Inc.

The forgoing affidavit was subscribed and sworn to before me by Brad A. Woodard.
This 20th day of May, 2014

LISA L MOONEYHAM
Notary Public
State of Colorado
My Commission Expires May 09, 2016

Colorado, Notary Public

Ute 13-1 SWD

Spud Date: 12-21-14
Completion Date: 01-26-15

GL: 5103' KB: 5116'

SURFACE CASING

CSG SIZE: 9-5/8"

GRADE: J-55

WEIGHT: 36#

LENGTH: 10 jts. (424'')

DEPTH LANDED: 424'

HOLE SIZE: 12-1/4"

CEMENT DATA: 260 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 7"

GRADE: J-55

WEIGHT: 23.0#

LENGTH: 90 jts.(3820') (shoe set at 3818'); (FC @ 3774') KB Depths

HOLE SIZE: 8-3/4"

TOTAL DEPTH: 3830'

CEMENT DATA: 100 sxs 10.0 ppg lead and 625 sxs 14.0 ppg tail

CEMENT TOP AT: 200' per CBL 01/06/14

TUBING (01-23-2014)

SIZE/GRADE/WT.: 4-1/2" / J-55-N-80 12.75#

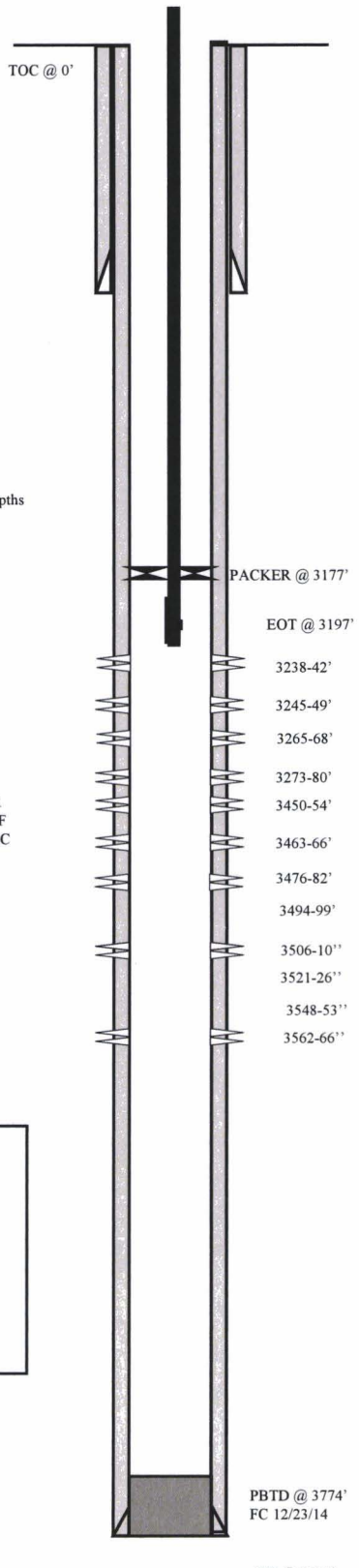
NO. OF JOINTS: 99 jts (3161.05')

TUBING PACKER: SET AT 3177.47' KB

TUBING DETAIL: TOP TO BOTTOM: KB=(13.0'); HANGER (0.50'); 11 JTS.4-1/2" TBG.-N-80 (357.13'); 88 JTS.OF 4-1/2" TBG. J-55 (2803.92'); 4-1/2"X3-1/2" X-OVER (0.96'); 7"X3-1/2" ON-OFF TOOL WITH 2.81" PROFILE (1.96'); 7"X3-1/2" DHL HYDRAULIC PACKER (6.32'); 3-1/2" N-80 PUP JT.(6.30'); 2.81" XN NIPPLE (1.0'); 3-1/2 N-80 PUP JT.(6.30'); 3-1/2" PUMP OUT PLUG/RE-ENTRY GUIDE (.044')

TOTAL STRING LENGTH: EOT @ 3197.83' KB'

Wellbore Diagram



FRAC JOB---no stimulation of perfs at present

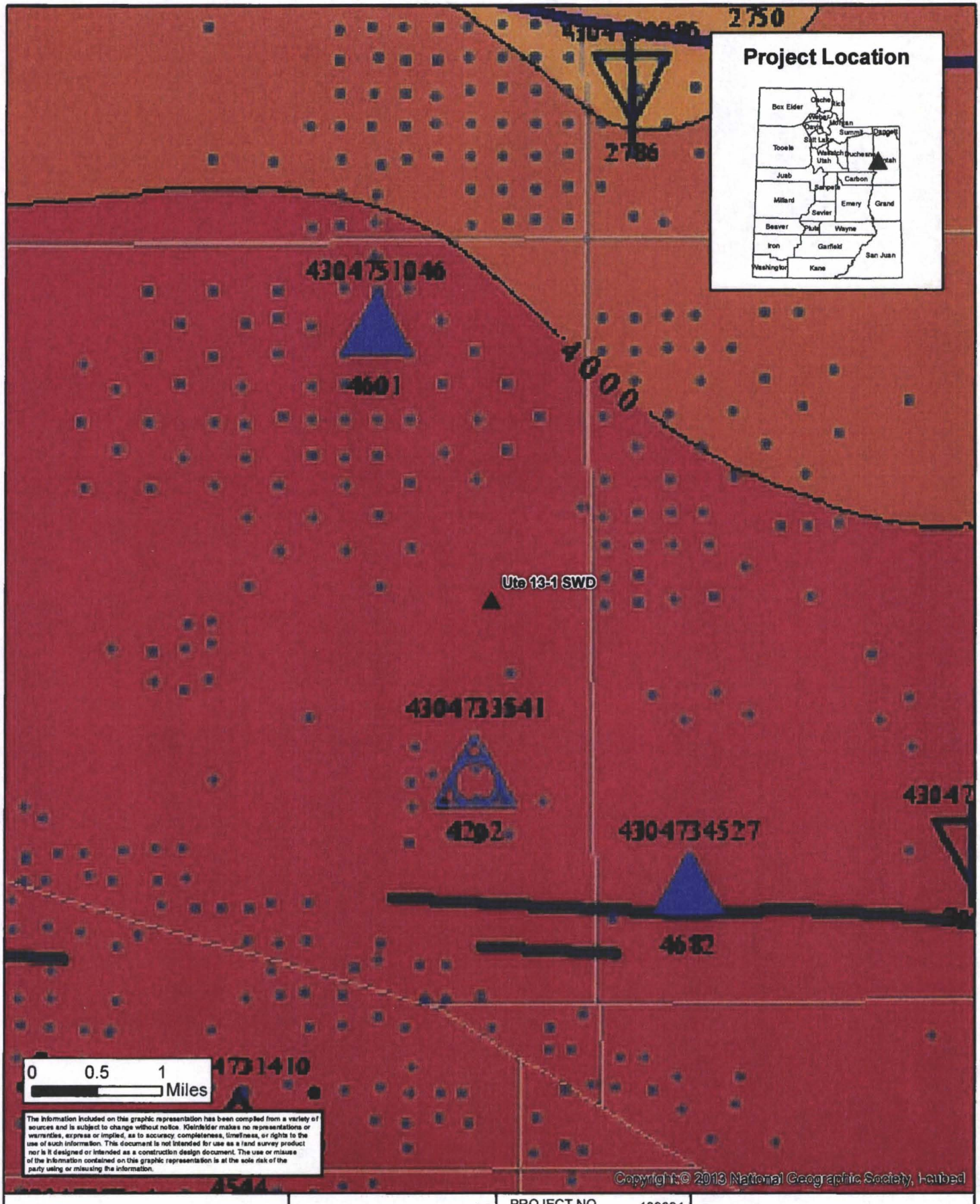
PERFORATION RECORD

3238-3242'	6 JSPF	24 holes
3245-3249'	6 JSPF	24 holes
3265-3268'	6 JSPF	18 holes
3273-3280'	6 JSPF	42 holes
3450-3454'	6 JSPF	24 holes
3463-3466'	6 JSPF	18 holes
3476-3482'	6 JSPF	36 holes
3494-3499'	6 JSPF	30 holes
3506-3510'	6 JSPF	24 holes
3521-3526'	6 JSPF	30 holes
3548-3553'	6 JSPF	30 holes
3562-3566'	6 JSPF	24 holes

FINLEY RESOURCES, INC.

Ute 13-1-4-1
1075' FSL & 1289' FWL (SW/SW)
Section 13, T4S, R1E
Uintah Co. Utah
API # 43-047-54256; Lease # 14-20-H62-4896

JAS 1/26/15



KLEINFELDER
Bright People. Right Solutions.
www.kleinfelder.com

Legend

▲ Well Location

—4000— Contour

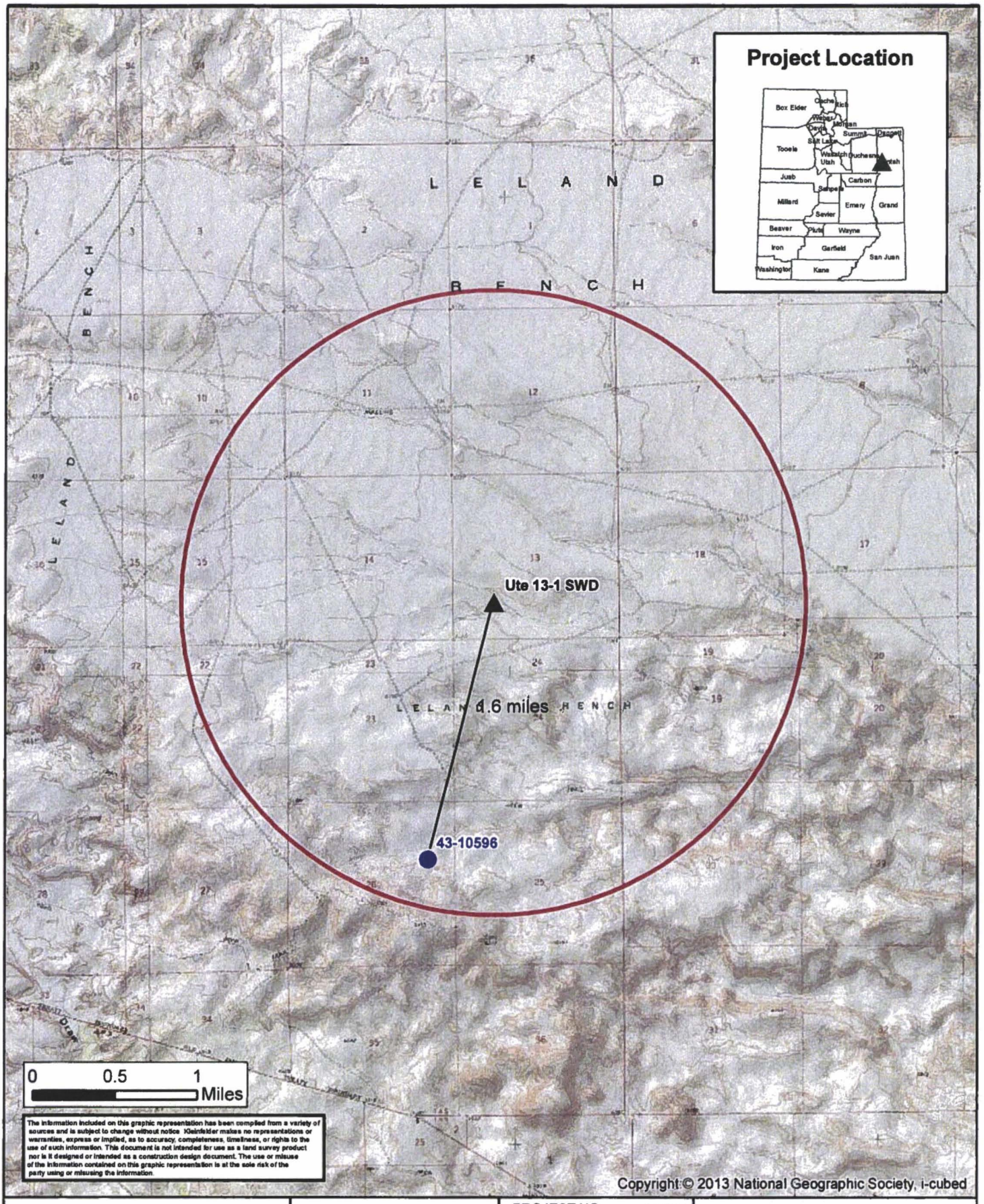
N

PROJECT NO.	130394
DRAWN:	3/27/2014
DRAWN BY:	A.Leonard
CHECKED BY:	B.Woodard
FILE NAME:	FigC1_BMSW.mxd

Finley Resources Inc.

Ute Tribal 13-1 SWD
Plate 1
BMSW Elevation Contour

FIGURE
C1



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Legend
- Well Location
- Closest Water Well
- 10,000' radius

N

PROJECT NO.	130394
DRAWN:	3/27/2014
DRAWN BY:	A.Leonard
CHECKED BY:	B.Woodard
FILE NAME:	FigC2_WaterWells.mxd

Finley Resources Inc.

Ute 13-1 SWD
Water Wells

FIGURE
C2

nmary Report

No Results for the following lab reports (in Red) **for date range requested:**

Bacteria | Cold Finger | **Coupon** | Metals | Millipores | **Oil** | Oil&Grease | **Residuals** | **Solids** | **Water**

multi-che

	Sample Information																								
	Results																								
T	ID	Sample ID	Sample Point	SampleDate	CO2 Ac	HCO3 M	Lead	H2S Gas	H2S Aq	p H	Density	TDS	Calcium	Barium	Iron	Magnesium	Manganese	Sodium	Sulfate	Chloride	Zn	K	Sr	CO3	Notes
*	(S)3361200	WA-298436	Treater/Mi1	1/21/2015	0.00	9028.00	0.00		20.00	8.70	1.0122	22867.69	5.19	0.45	3.64	2.47	0.14	5608.19	164.00	8000.00	0.27	34.64	1.50		B=47.72 Al=.09 L
*	(S)3361200	WA-296188	Treater Mo 1	12/15/2014	0.00	8540.00	0.17		3.00	9.00	1.0174	29125.41	20.60	0.93	13.45	8.46	0.20	9984.06	456.00	10000.00	0.92	55.41	2.63		B=88.62 Al=.18
*	(S)3539077	WA-299648	TREATER	2/5/2015	160.00	5002.00	0.21		5.00	8.00	1.0158	28383.09	41.88	5.26	8.06	16.43	0.77	8091.23	126.00	15000.00	0.19	43.15	14.17		B=36.85 Al=0 Li
*	(S)3539077	WA-298431	Treater/Mi1	1/21/2015	0.00	3904.00	0.00		0.00	8.10	1.0098	21481.28	26.33	3.09	21.32	32.87	0.59	3281.51	142.00	14000.00	0.10	28.47	18.69		B=24.64 Al=0 Li=
*	(S)3539077	WA-298324	TREATER	1/19/2015	200.00	3050.00	0.12		0.50	7.10	1.0165	29309.28	155.71	4.40	21.48	73.96	0.65	8556.99	228.00	17000.00	0.02	152.19	28.74		B=41.53 Al=0 Li=
*	(S)3530792	WA-298430	Treater/Mi1	1/21/2015	0.00	2440.00	0.00		2.00	6.80	1.0116	25274.48	71.14	3.00	10.92	57.07	1.00	3222.43	384.00	19000.00	0.29	12.25	36.66		B=15.07 Al=0 Li
*	(S)3530762	WA-298434	Treater/Mi1	1/21/2015	0.00	1708.00	0.00		2.00	8.10	1.0143	29291.66	33.51	21.73	6.42	42.98	0.65	5237.11	147.00	22000.00	0.15	7.16	65.33		B=9.71 Al=0 Li=
*	(S)3530762	WA-296189	Treater Mo 1	12/15/2014	280.00	1708.00	0.16		1.50	7.90	1.0252	40658.23	365.21	15.22	67.21	105.58	1.86	15098.00	88.00	23000.00	0.63	71.75	73.47		B=29.23 Al=.06
*	(S)217263	WA-293670	Treater-Mo 3	11/17/2014	0.00	1464.00	0.00		10.00	8.50	1.0182	29650.31	13.43	0.06	1.61	5.42	0.07	12607.60	501.00	15000.00	0.18	32.58	2.27		B=14.75 Al=.06
*	(S)217263	WA-290522	Treater MO 2	10/16/2014	0.00	1342.00	0.00		1.50	8.30	1.0153	28120.05	166.35	3.04	15.30	42.10	0.87	7968.05	471.00	18000.00	0.51	92.04	18.79		B=10.35 Al=.14 L
*	(S)217263	WA-287369	TREATER	9/16/2014	0.00	10492.00	0.43		20.00	9.00	1.0274	43951.56	14.96	0.93	2.86	7.25	0.21	15684.80	591.00	17000.00	0.97	134.64	4.51		B=11.73 Al=0 Li=
*	4304752671	WA-299440	Treater	1/30/2015	0.00	1708.00	0.11		20.00	8.40	1.0055	12658.66	22.71	9.99	46.05	5.54	0.81	3681.46	85.00	7000.00	0.34	46.91	4.96		B=14.97 Al=.15 L
*	4304752674	WA-299429	Treater	1/30/2015	0.00	3660.00	0.31		30.00	8.60	1.009	17969.09	32.20	12.82	18.74	10.51	0.27	5027.69	124.00	9000.00	0.43	38.44	7.52		B=40.58 Al=.08 L
*	4304752674	WA-286604	TREATER	9/9/2014	0.00	3660.00	0.00		15.00	9.00	1.0096	18728.37	32.62	6.21	8.37	6.41	0.30	5612.25	193.00	9000.00	0.12	203.87	5.22		B=54.97 Al=0 Li=
*	43047526640	WA-299436	Treater	1/30/2015	0.00	1342.00	0.43		25.00	8.40	1.0126	22709.55	44.17	76.81	12.87	18.84	0.19	8038.82	77.00	13000.00	0.30	43.38	15.61		B=12.52 Al=.23
*	(S)214016	WA-290517	Treater MO 3	10/16/2014	120.00	1586.00	0.00		5.00	8.10	1.0176	31699.31	97.37	1.16	12.45	30.95	1.09	9227.73	638.00	20000.00	0.32	83.99	20.25		B=6.94 Al=.03 Li
*	(S)214016	WA-287370	TREATER Mo 2	9/16/2014	0.00	6100.00	0.00		150.00	9.50	1.0279	44680.26	61.02	0.77	0.66	36.94	0.13	17169.00	1178.00	20000.00	0.05	98.14	19.98		B=9.63 Al=0 Li=
*	(S)214016	WA-286751	WELLHEAD	9/10/2014	0.00	6222.00	0.00		125.00	9.00	1.0301	47253.99	194.04	1.00	0.38	42.40	0.34	18412.60	1229.00	21000.00	0.44	120.47	31.32		B=9.2 Al=0 Li=4
*	(S)214016	WA-285991	TREATER	9/2/2014	200.00	1952.00	0.29		220.00	9.00	1.0243	39540.54	248.33	1.70	16.14	55.33	1.00	14957.90	1063.00	21000.00	0.39	171.82	37.43		B=10.55 Al=.58
*	(S)3147057	WA-295318	Treater Mo 3	11/17/2014	0.00	1464.00	0.00		10.00	8.50	1.0182	29650.31	13.43	0.06	1.61	5.42	0.07	12607.60	501.00	15000.00	0.18	32.58	2.27		B=14.75 Al=.06 L
*	(S)221742	WA-298429	Treater/Mi1	1/21/2015	0.00	3416.00	0.00		80.00	9.00	1.0087	19909.75	7.79	2.45	1.26	13.68	0.21	2966.99	459.00	13000.00	0.00	8.76	11.26		B=14.59 Al=.01
*	(S)221742	WA-296191	TREATER	12/15/2014	0.00	2684.00	0.17		30.00	9.00	1.0159	27187.37	126.52	3.23	2.79	43.70	0.58	9909.51	284.00	14000.00	0.17	56.72	19.74		B=36.48 Al=.05
*	(S)221742	WA-291079	Treater	10/22/2014	128.00	3416.00	0.27		15.00	8.10	1.0119	21272.15	136.93	9.10	0.82	28.84	0.33	7233.16	290.00	10000.00	0.13	65.53	16.42		B=31.45 Al=0 Li=
*	(S)214004	WA-299438	Treater	1/30/2015	0.00	2928.00	0.36		150.00	8.60	1.0163	27773.80	113.24	1.03	19.71	34.94	0.50	10090.30	441.00	14000.00	0.72	91.61	14.49		B=32.19 Al=.02
*	(S)214004	WA-293668	Treater-Mo 3	11/17/2014	0.00	2440.00	0.00		50.00	9.00	1.0187	29435.87	21.83	0.11	2.88	7.03	0.19	13487.50	411.00	13000.00	0.15	36.95	3.06		B=15.55 Al=0 L
*	(S)214004	WA-290520	Treater MO 2	10/16/2014	200.00	1708.00	0.00		25.00	8.30	1.0126	24116.46	80.83	2.86	0.99	29.34	0.38	6667.25	417.00	15000.00	0.25	198.13	11.43		B=29.78 Al=.11
*	(S)214004	WA-287367	TREATER Mo 1	9/16/2014	0.00	3660.00	0.35		25.00	8.50	1.0117	21255.87	165.58	2.88	4.77	32.90	0.57	6899.41	324.00	10000.00	0.27	127.94	13.76		B=46.72 Al=0 Li=
*	(S)214004	WA-286753	WELLHEAD	9/10/2014	120.00	1952.00	0.00		10.00	7.50	1.0098	18521.33	196.08	3.30	0.64	36.31	0.32	5948.98	164.00	10000.00	0.13	206.43	13.14		B=37.68 Al=0 Li=
*	(S)214008	WA-299435	Treater	1/30/2015	0.00	2440.00	0.25		45.00	8.50	1.0062	13733.60	31.49	5.78	27.62	8.07	0.40	3895.08	222.00	7000.00	2.11	57.62	5.60		B=28.5 Al=.5 Li=1
*	(S)214008	WA-290516	Treater MO 3	10/16/2014	0.00	2074.00	0.00		5.00	8.30	1.0077	16041.77	48.44	5.78	1.95	13.79	0.18	4505.86	237.00	9000.00	0.20	144.62	9.95		B=27.09 Al=.13 L ***SURFACE TENSIC mN/m***

*	(S)214008	WA-287362	TREATER Mo 2	9/16/2014	0.00	2928.00	0.32	4.50	8.50	1.0086	17335.33	78.21	9.44	3.26	15.72	0.19	4943.99	183.00	9000.00	0.19	151.11	1.31	B=39.34 Al=0 Li=
*	(S)214008	WA-286754	WELLHEAD	9/10/2014	120.00	4148.00	0.00	15.00	7.50	1.0087	17346.20	63.02	8.19	0.74	13.56	0.11	4723.19	182.00	8000.00	0.32	200.21	6.86	B=43.33 Al=0 Li=
*	(S)214008	WA-285993	TREATER	9/2/2014	120.00	2440.00	0.21	10.00	7.50	1.0067	13553.87	69.39	6.49	16.17	15.66	0.53	4556.04	202.00	6000.00	0.14	170.17	38.33	B=40.71 Al=.26
*	(S)214012	WA-299434	Treater	1/30/2015	0.00	8540.00	0.15	100.00	9.30	1.0306	48208.26	58.24	0.39	259.57	6.34	13.48	18366.10	855.00	20000.00	0.97	59.08	6.05	B=6.69 Al=.74 L
*	(S)214012	WA-290515	Treater MO 3	10/16/2014	0.00	8052.00	0.00	60.00	9.00	1.0298	50703.89	16.28	0.56	1.19	6.64	0.46	14881.90	1623.00	26000.00	0.34	116.42	5.10	B=6.8 Al=.16 Li ***SURFACE TENSIC mN/m***
*	(S)214012	WA-287363	TREATER	9/16/2014	0.00	8052.00	0.47	45.00	9.00	1.0272	42693.86	20.59	1.23	1.31	7.83	0.39	16719.80	728.00	17000.00	0.14	139.18	5.28	B=11.75 Al=0 L
*	(S)214012	WA-286752	WELLHEAD	9/10/2014	0.00	5856.00	0.00	50.00	8.30	1.0237	38652.02	37.72	1.77	3.91	10.29	21.14	13888.00	670.00	18000.00	0.39	155.97	6.83	B=14.4 Al=0 Li=4
*	(S)214012	WA-285992	TREATER	9/2/2014	0.00	9516.00	0.32	5.00	9.00	1.0243	39805.22	37.72	1.48	19.90	10.37	1.69	13391.40	599.00	16000.00	0.46	174.35	16.93	B=9.63 Al=.09 L
*	(S)3147055	WA-298432	Treater/Mi1	1/21/2015	0.00	2684.00	0.00	2.00	7.90	1.0044	12465.32	27.89	2.80	2.69	17.64	0.76	1543.74	80.00	8000.00	0.07	62.71	8.74	B=25.78 Al=0 Li=
*	4304753380	WA-286596	TREATER	9/9/2014	0.00	3416.00	0.00	20.00	9.70	1.0164	28740.32	57.28	0.82	42.98	9.24	0.95	9845.61	288.00	15000.00	0.23	70.92	8.29	B=56.14 Al=0 Li=
*	(S)206726	WA-286599	TREATER	9/9/2014	0.00	3050.00	0.00	10.00	8.70	1.0078	15884.54	87.58	4.00	581.88	13.70	8.96	3823.46	223.00	8000.00	10.00	76.62	5.34	B=16.35 Al=3.81
*	4304753383	WA-286602	TREATER	9/9/2014	0.00	4270.00	0.00	20.00	9.00	1.0104	20782.64	20.69	2.40	6.95	2.09	0.17	5262.57	160.00	11000.00	0.52	54.65	2.60	B=55.97 Al=0 Li=
*	4304753384	WA-286600	TREATER	9/9/2014	80.00	3172.00	0.00	20.00	8.40	1.0072	15381.06	43.86	2.97	224.62	4.71	2.71	3731.58	132.00	8000.00	5.30	58.16	3.15	B=56.59 Al=3.18
*	(S)221744	WA-298435	Treater/Mi1	1/21/2015	0.00	3172.00	0.00	10.00	8.50	1.0075	17878.38	23.08	2.10	1.65	20.40	0.59	2463.07	148.00	12000.00	0.00	8.18	18.73	B==22.87 Al=.04
*	(S)221744	WA-296190	TREATER	12/15/2014	0.00	2562.00	0.10	10.00	8.70	1.023	37456.23	331.52	1.24	2.89	96.98	1.04	13686.90	624.00	20000.00	0.14	70.42	30.90	B=46.34 Al=.08 L
*	(S)221744	WA-293281	WELL HEAD	11/10/2014	280.00	6588.00	0.03	5.00	8.30	1.0144	24273.65	428.03	1.26	21.96	100.10	1.59	7548.71	1393.00	8000.00	0.21	117.12	35.53	
*	(S)221744	WA-291922	Treater	10/29/2014	240.00	1952.00	0.10	2.00	7.00	1.0303	50317.00	201.00	0.90	87.00	79.00	1.20	16582.00	1351.00	30000.00	0.10	37.00	25.70	
*	(S)221744	WA-291928	Wellll Head	10/29/2014	160.00	2928.00	0.10	2.00	7.00	1.0288	46257.30	200.00	0.80	112.00	83.00	1.40	16777.00	1060.00	25000.00	0.20	37.00	25.50	
*	(S)221744	WA-289020	FRAC TANK	9/25/2014	40.00	244.00	0.00	0.00	6.00	0.998	1439.04	46.46	1.70	9.51	18.62	0.77	24.88	83.00	1000.00	0.62	2.21	0.36	B=.1 Al=0 Li=0
*	(S)221746	WA-298433	Treater/Mi1	1/21/2015	0.00	3172.00	0.00	10.00	8.10	1.0056	14354.43	30.41	2.90	4.13	16.66	1.20	2041.92	29.00	9000.00	0.01	13.83	12.65	B=17.44 Al=0 Li=
*	(S)221746	WA-291920	FRAC TANK	10/29/2014	8.00	244.00	0.03	0.00	6.00	0.998	1418.95	69.04	0.05	4.26	18.53	0.70	40.71	30.00	1000.00	0.02	4.28	0.49	B=.14 Al=.08 Li=
*	43047353536	WA-293669	Treater-Mo 3	11/17/2014	0.00	9394.00	0.00	100.00	10.00	1.019	35192.02	35.79	0.24	2.34	12.25	0.10	8582.15	1094.00	16000.00	0.15	49.52	4.20	B=15.88 Al=.07
*	43047353536	WA-290521	Treater MO 2	10/16/2014	0.00	5734.00	0.00	110.00	9.00	1.0211	38206.39	41.14	0.49	26.64	12.40	0.99	9653.19	1617.00	21000.00	0.49	113.17	6.88	B=23.93 Al=.14
*	43047353536	WA-287368	TREATER	9/16/2014	0.00	3660.00	0.42	10.00	8.50	1.0108	19789.30	167.38	3.81	10.12	29.53	0.68	6369.13	333.00	9000.00	0.42	175.08	13.20	B=46.24 Al=0 Li=
*	(S)217269	WA-290518	Treater MO 2	10/16/2014	0.00	2684.00	0.00	3.00	8.50	1.0169	30941.63	68.39	1.32	3.19	31.34	0.41	8580.82	487.00	19000.00	0.29	75.29	9.58	B=30.62 Al=.03
*	(S)217269	WA-287365	TREATER Mo 1	9/16/2014	0.00	4148.00	0.39	25.00	8.70	1.0214	35084.58	93.36	0.79	1.95	39.95	1.52	12959.10	722.00	17000.00	0.31	88.87	12.03	B=30.96 Al=0 Li
*	(S)217269	WA-286746	WELLHEAD	9/9/2014	0.00	4026.00	0.00	20.00	8.00	1.0211	34686.66	63.25	1.01	0.15	41.89	0.05	12607.40	836.00	17000.00	0.72	99.23	10.96	B=24.69 Al=0 Li=
*	(S)217269	WA-285990	TREATER	9/2/2014	160.00	1952.00	0.14	5.00	8.00	1.0173	29377.85	188.99	1.29	121.28	46.79	1.58	10263.20	619.00	16000.00	0.13	130.99	14.43	B=35.49 Al=.03
*	(S)217265	WA-293667	Treater-Mo 3	11/17/2014	0.00	7808.00	0.00	100.00	9.50	1.014	29301.63	113.01	0.75	2.35	13.02	0.27	4042.92	1134.00	16000.00	0.09	107.12	9.75	B=6.71 Al=.02 L
*	(S)217265	WA-290519	Treater MO 2	10/16/2014	0.00	7076.00	0.00	75.00	9.00	1.0233	41883.54	22.21	0.54	4.56	12.75	0.59	10403.60	1233.00	23000.00	0.13	123.97	6.19	B=27.08 Al=.06
*	(S)217265	WA-287366	TREATER	9/16/2014	0.00	4392.00	0.52	5.00	8.70	1.0145	24794.04	69.36	1.89	22.52	26.13	0.50	8924.50	202.00	11000.00	0.60	122.51	11.77	B=52.92 Al=0 Li=
*	(S)217265	WA-286750	WELLHEAD	9/9/2014	240.00	4880.00	0.00	5.00	7.50	1.0185	32825.04	116.92	3.66	70.87	27.31	1.24	7221.39	0.00	19000.00	0.63	99.02	1404.00	B=44.51 Al=0 Li
*	(S)217265	WA-286517	TREATER	9/5/2014	320.00	6344.00	0.00	10.00	7.50	1.0143	25149.65	107.70	6.90	279.30	22.20	4.60	7171.70	71.00	11000.00	0.65	85.90	11.50	
*	4304752637	WA-294797	Treater	11/25/2014	0.00	2684.00	0.00	5.00	8.70	1.0234	39367.39	331.56	3.34	15.64	84.05	0.60	13012.10	95.00	23000.00	0.20	50.31	38.93	B=25.44 Al=.11
*	4304752637	WA-286603	TREATER	9/9/2014	0.00	2684.00	0.00	5.00	8.50	1.0228	37768.89	48.35	8.24	15.38	25.65	0.19	13822.20	50.00	21000.00	0.09	89.72	25.07	B=22.49 Al=0 Li=
*	4304752638	WA-294776	Treater	11/25/2014	160.00	3416.00	0.02	2.00	8.30	1.0267	46076.70	238.35	0.24	6.58	73.95	0.30	13156.90	1079.00	28000.00	0.21	37.62	18.78	B=57.46 Al=.06
*	4304752638	WA-290075	Treater BOTTOM	10/8/2014	0.00	6832.00	0.00	20.00	8.70	1.032	53911.43	43.00	1.00	5.60	37.00	0.14	16239.00	1625.00	29000.00	0.01	99.00	7.00	B=62 Al=.01 Li=1
*	4304752638	WA-286595	TREATER	9/9/2014	0.00	2928.00	0.00	5.00	8.80	1.0287	44636.26	280.78	1.70	56.96	55.79	0.95	18244.50	952.00	22000.00	0.31	93.35	21.92	B=70.86 Al=0 Li=

*	4304752639	WA-294777	Treater	11/25/2014	0.00	6588.00	0.00	5.00	8.30	1.0187	32590.44	30.62	0.46	9.58	17.22	0.18	9530.49	347.00	16000.00	0.28	26.21	8.24	B=76.59	Al=.08
*	4304752639	WA-286592	TREATER	9/9/2014	0.00	8540.00	0.00	5.00	8.50	1.0204	33180.40	177.54	4.13	719.84	24.38	9.57	10390.30	226.00	13000.00	5.84	61.90	20.90	B=86.94	Al=0
*	4304752640	WA-294773	Treater	11/25/2014	0.00	3660.00	0.00	4.00	9.00	1.0117	18044.65	44.71	0.46	8.08	21.57	0.24	9861.12	360.00	4000.00	0.29	37.39	10.24	B=47.97	Al=.13
*	4304752640	WA-286605	TREATER	9/9/2014	0.00	5856.00	0.00	5.00	8.80	1.0183	30806.70	326.04	3.00	23.02	38.68	0.77	10200.00	250.00	14000.00	0.27	73.16	35.76	B=59.76	Al=0
*	4304752641	WA-294778	Treater	11/25/2014	0.00	2684.00	0.00	3.00	9.00	1.0164	29264.17	61.91	3.50	4.89	22.54	0.85	9279.86	93.00	17000.00	0.45	51.66	15.27	B=34.78	Al=.11
*	4304752643	WA-294779	Treater	11/25/2014	80.00	976.00	0.00	4.00	7.40	1.0348	57368.43	415.50	2.45	31.46	121.07	1.25	19295.20	328.00	36000.00	0.23	48.85	89.53	B=16.79	Al=.05
*	4304752643	WA-286591	TREATER	9/9/2014	0.00	2196.00	0.00	5.00	8.00	1.0227	34938.92	934.56	3.94	1854.75	78.53	27.17	11287.10	408.00	18000.00	14.22	68.09	66.56	B=33.61	Al=9.03
*	4304752644	WA-294781	Treater	11/25/2014	0.00	1708.00	0.02	2.50	8.30	1.0323	53960.64	197.99	16.88	17.41	86.92	0.78	17748.10	26.00	34000.00	0.60	42.74	81.64	B=17.37	Al=.12
*	4304752645	WA-294792	Treater	11/25/2014	0.00	2196.00	0.00	7.50	9.00	1.021	36348.33	98.11	24.41	13.82	52.79	0.37	11761.40	80.00	22000.00	0.59	46.59	31.15	B=12.15	Al=.08
*	4304752645	WA-286594	TREATER	9/9/2014	80.00	1464.00	0.00	10.00	8.00	1.0228	37165.75	128.81	37.61	135.08	44.63	0.98	14153.00	75.00	21000.00	0.81	86.12	39.71	B=11.51	Al=0
*	4304752647	WA-294806	Treater	11/25/2014	80.00	1220.00	0.00	2.50	8.30	1.0333	54901.66	93.75	8.68	4.62	42.54	0.12	19397.50	14.00	34000.00	0.36	41.22	42.13	B=15.03	Al=.06
*	4304752647	WA-286590	TREATER	9/9/2014	80.00	2562.00	0.00	5.00	8.50	1.0383	58985.78	140.33	16.40	2.60	35.63	0.12	25031.70	45.00	31000.00	0.39	94.41	57.20	B=14.03	Al=0
*	4304752648	WA-294816	Treater	11/25/2014	0.00	2684.00	0.00	7.50	8.50	1.0264	45195.03	103.53	2.17	2.03	45.05	0.13	14079.30	162.00	28000.00	0.15	40.93	35.62	B=32.9	Al=.01
*	4304752648	WA-286588	TREATER	9/9/2014	80.00	1952.00	0.00	10.00	8.00	1.0166	27735.22	310.96	1.33	460.81	33.70	6.54	9809.72	40.00	15000.00	4.69	84.13	31.34	B=20.13	Al=.81
*	4304752654	WA-294813	Treater	11/25/2014	0.00	2146.00	0.00	7.00	8.50	1.029	49048.67	109.62	0.34	1.21	63.83	0.16	15557.80	1067.00	30000.00	0.11	48.20	16.01	B=19.06	Al=0
*	4304752654	WA-286589	TREATER	9/9/2014	0.00	3904.00	0.00	5.00	8.00	1.0328	51990.24	321.08	1.27	57.45	71.69	1.54	19303.60	1180.00	27000.00	0.15	117.56	31.90	B=25.91	Al=0
*	4304752655	WA-294782	Treater	11/25/2014	0.00	6832.00	0.00	37.50	8.70	1.0291	50092.28	25.36	0.56	0.69	27.60	0.15	14066.20	1056.00	28000.00	0.05	38.25	7.02	B=22.33	Al=.01
*	4304752655	WA-287364	TREATER	9/16/2014	0.00	7564.00	0.51	50.00	8.70	1.0282	45067.37	192.14	1.19	3.78	36.91	0.45	16332.70	805.00	20000.00	0.12	91.36	22.67	B=29.9	Al=0
*	4304752655	WA-286598	TREATER	9/9/2014	0.00	6588.00	0.00	75.00	8.60	1.0282	44618.05	354.90	1.63	29.01	4.10	1.13	16475.10	1049.00	20000.00	0.14	89.07	25.97	B=25.14	Al=0
*	4304752656	WA-294780	Treater	11/25/2014	80.00	2940.00	0.00	7.50	8.30	1.0156	27940.14	67.13	7.09	8.46	29.05	0.82	8739.78	50.00	16000.00	0.91	38.23	17.86	B=28.93	Al=.11
*	4304752656	WA-286587	TREATER	9/9/2014	80.00	3660.00	0.00	5.00	8.00	1.0175	30115.40	69.34	2.88	87.06	28.48	1.28	9903.25	262.00	16000.00	0.96	79.60	20.55	B=28.27	Al=0
*	4304752661	WA-294801	Treater	11/25/2014	0.00	2196.00	0.00	2.50	8.30	1.0135	24510.40	60.26	2.75	11.93	20.98	0.32	8040.14	86.00	14000.00	0.21	35.45	11.13	B=27.1	Al=.07
*	4304752661	WA-286606	TREATER	9/9/2014	0.00	2562.00	0.00	5.00	8.30	1.0162	31044.55	60.27	36.89	5.58	16.22	0.25	7219.52	56.00	21000.00	0.79	73.58	13.45	B=26.9	Al=0
*	(S)155356	WA-299442	Treater	1/30/2015	0.00	4392.00	0.14	25.00	9.00	1.0127	23644.09	18.94	6.25	19.50	4.08	0.33	7074.15	41.00	12000.00	1.02	39.17	5.97	B=61.63	Al=.06
*	(S)155356	WA-296444	Treater	12/23/2014	0.00	3660.00	2.60	65.00	9.00	1.0148	26240.75	28.00	4.50	1.70	14.00	0.55	8520.00	453.00	13000.00	2.50	464.00	8.90	Al 5.7	Li 35
*	(S)155356	WA-290077	Treater	10/10/2014	0.00	3050.00	0.00	40.00	9.00	1.014	26447.62	20.00	24.00	0.52	7.20	0.08	7248.00	6.00	16000.00	0.00	58.00	6.00	B=60	Al=0
*	4304732663	WA-299445	Treater	1/30/2015	0.00	1220.00	0.06	20.00	7.70	1.0259	42385.18	141.22	19.27	10.11	51.94	0.16	15754.70	8.00	25000.00	0.12	64.44	78.75	B=17.34	Al=0
*	4304752657	WA-299432	Treater	1/30/2015	0.00	976.00	0.16	15.00	8.60	1.0071	14967.05	51.71	4.30	46.58	12.05	0.41	4672.35	99.00	9000.00	0.41	38.95	7.68	B=20.8	Al=.31
*	4304752658	WA-299441	Treater	1/30/2015	160.00	1586.00	0.10	15.00	7.70	1.0181	30387.86	145.77	37.01	73.20	40.40	1.00	11267.30	73.00	17000.00	0.38	68.08	54.02	B=13.08	Al=.02
*	4304752659	WA-299444	Treater	1/30/2015	80.00	1708.00	0.39	20.00	7.60	1.0101	18702.70	47.54	44.42	192.67	14.50	1.38	6513.72	69.00	10000.00	1.05	49.84	12.99	B=16.36	Al=.3
*	4304752665	WA-299437	Treater	1/30/2015	0.00	6222.00	3.05	45.00	9.00	1.0112	21341.06	12.71	6.30	40.61	3.94	0.44	5952.68	21.00	9000.00	2.34	34.68	4.05	B=126.0	Al=.18
*	4304752667	WA-299439	Treater	1/30/2015	160.00	2928.00	0.57	25.00	8.40	1.0162	25073.87	84.05	5.77	659.78	41.40	5.19	11169.10	47.00	10000.00	6.33	64.42	8.96	B=51.33	Al=3.38
*	4304752660	WA-286755	WELLHEAD	9/10/2014	80.00	5368.00	0.00	45.00	8.00	1.0095	18605.10	9.49	27.36	4.07	1.51	0.20	5122.22	17.00	8000.00	0.31	52.28	2.66	B=68.63	Al=0
*	4304752660	WA-286585	TREATER	9/9/2014	0.00	4392.00	0.00	5.00	8.00	1.0075	17725.06	5.50	13.70	4.81	0.60	0.15	2277.35	4.00	11000.00	0.01	25.52	1.42	B=39.37	Al=0
*	4304752668	WA-299431	Treater	1/30/2015	0.00	3904.00	0.20	25.00	8.50	1.009	17535.75	8.14	7.43	9.77	4.81	0.16	5426.04	105.00	8000.00	0.33	31.22	2.92	B=61.07	Al=.14
*	4304752668	WA-286586	TREATER	9/9/2014	0.00	6344.00	0.00	20.00	8.50	1.01	20066.23	18.52	7.92	14.46	3.65	0.20	4584.26	46.00	9000.00	0.17	43.57	3.48	B=65.88	Al=0
*	4304752666	WA-299443	Treater	1/30/2015	0.00	2496.00	0.10	45.00	8.90	1.0068	14823.45	23.44	6.67	15.93	6.18	0.20	4145.29	50.00	8000.00	0.34	30.99	4.05	B=44.96	Al=.3
*	4304752666	WA-286593	TREATER	9/9/2014	0.00	3050.00	0.00	0.00	8.70	1.0069	15034.32	25.50	5.33	17.00	2.13	0.23	3886.80	0.00	8000.00	0.34	43.34	3.65	B=50.96	Al=0

*	4304752670	WA-299428	Treater	1/30/2015	0.00	2440.00	0.22	40.00	8.80	1.0077	16735.04	10.94	3.77	24.62	3.49	0.20	4119.78	66.00	10000.00	5.01	26.65	3.10	B=31.94	Al=.1 Li
*	4304752669	WA-299433	Treater	1/30/2015	0.00	3782.00	0.26	55.00	8.60	1.0096	18106.09	10.23	4.64	9.28	3.39	0.16	6115.31	105.00	8000.00	0.29	37.07	3.02	B=118.44	Al=.25
*	(S)40411	WA-290076	Treater	10/10/2014	80.00	1220.00	0.01	5.00	7.90	1.0192	34115.03	89.00	14.00	21.00	22.00	0.30	10425.00	88.00	22000.00	1.80	212.00	17.00	B=10	Al=0 Li=3.4
*	(S)179890	WA-286601	TREATER	9/9/2014	0.00	8418.00	0.00	40.00	8.90	1.0219	36301.09	9.71	0.73	8.13	2.72	0.43	12285.30	515.00	15000.00	0.23	58.24	2.60	B=60.65	Al=0 Li=
*	(S)16373	WA-296321	AFTER FILTERS	12/18/2014	0.00	7198.00	0.00	200.00	8.70	1.0254	43628.14	85.41	0.74	6.97	39.74	0.70	12672.80	481.00	23000.00	0.09	39.62	27.69	B=45.63	Al=.12 L
*	(S)16373	WA-296324	BEFORE FILTERS	12/18/2014	0.00	7198.00	0.01	140.00	8.70	1.028	46864.93	78.59	0.76	6.75	39.23	0.75	12542.70	895.00	22000.00	0.04	4031.00	27.24	B=45.47	Al=.08 L
*	(S)16373	WA-287425	Wellhead	9/17/2014	240.00	2562.00	0.00	5.00	8.40	1.0227	36457.08	138.32	7.31	5.53	42.94	0.45	14504.30	41.00	19000.00	0.12	91.84	43.38	B=24.4	Al=1.14 L

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Units of Measurement: **Standard**

Water Analysis Report

Production Company: **FINLEY RESOURCES**
Well Name: **UTE TRIBAL 13-11A-4-1**
Sample Point: **Treater**
Sample Date: **3/11/2013**
Sample ID: **WA-236479**

Sales Rep: **James Patry**
Lab Tech: **Layne Wilkerson**

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	3/20/2013
System Temperature 1 (°F):	60.00
System Pressure 1 (psig):	1300.0000
System Temperature 2 (°F):	180.00
System Pressure 2 (psig):	14.7000
Calculated Density (g/ml):	1.029
pH:	8.20
Calculated TDS (mg/L):	47398.56
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	80.00
H_2S in Gas (%):	
H2S in Water (mg/L):	15.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	17728.25	Chloride (Cl):	27000.00
Potassium (K):	106.00	Sulfate (SO_4):	557.00
Magnesium (Mg):	73.00	Bicarbonate (HCO_3):	1512.80
Calcium (Ca):	339.00	Carbonate (CO_3):	
Strontium (Sr):	46.00	Acetic Acid (CH_3COO)	
Barium (Ba):	1.70	Propionic Acid (C_2H_5COO)	
Iron (Fe):	2.70	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.10	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.09	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.42	Silica (SiO_2):	31.50

Notes:
B=20 Al=.13

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum $CaSO_4 \cdot 2H_2O$		Celestite $SrSO_4$		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
180.00	14.00	2.15	218.20	0.39	0.60	2.89	1.49	1.96	1.94	0.00	0.00	0.00	0.00	0.00	0.00	8.37	0.05
166.00	157.00	2.05	183.43	0.43	0.63	2.86	1.49	1.86	1.93	0.00	0.00	0.00	0.00	0.00	0.00	8.48	0.05
153.00	300.00	2.00	174.08	0.48	0.67	2.89	1.49	1.80	1.93	0.00	0.00	0.00	0.00	0.00	0.00	8.64	0.05
140.00	443.00	1.96	165.07	0.53	0.72	2.93	1.49	1.74	1.93	0.00	0.00	0.00	0.00	0.00	0.00	8.83	0.05
126.00	585.00	1.91	156.39	0.60	0.76	2.98	1.49	1.68	1.92	0.00	0.00	0.00	0.00	0.00	0.00	9.02	0.05
113.00	728.00	1.87	148.11	0.67	0.80	3.05	1.49	1.61	1.91	0.00	0.00	0.00	0.00	0.00	0.00	9.24	0.05
100.00	871.00	1.83	140.31	0.76	0.83	3.13	1.49	1.54	1.90	0.00	0.00	0.00	0.00	0.00	0.00	9.47	0.05
86.00	1014.00	1.80	133.02	0.85	0.87	3.22	1.49	1.46	1.89	0.00	0.00	0.00	0.00	0.00	0.00	9.72	0.05
73.00	1157.00	1.77	126.29	0.96	0.90	3.34	1.49	1.39	1.88	0.00	0.00	0.00	0.00	0.00	0.00	9.99	0.05
60.00	1300.00	1.74	120.05	1.08	0.93	3.47	1.49	1.31	1.86	0.00	0.00	0.00	0.00	0.00	0.00	10.29	0.05

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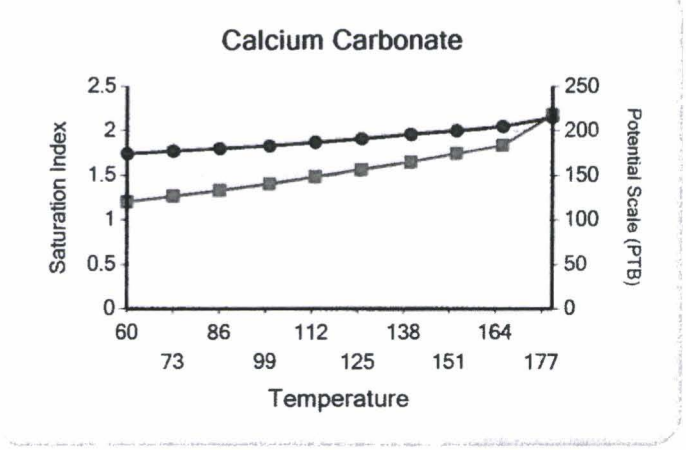
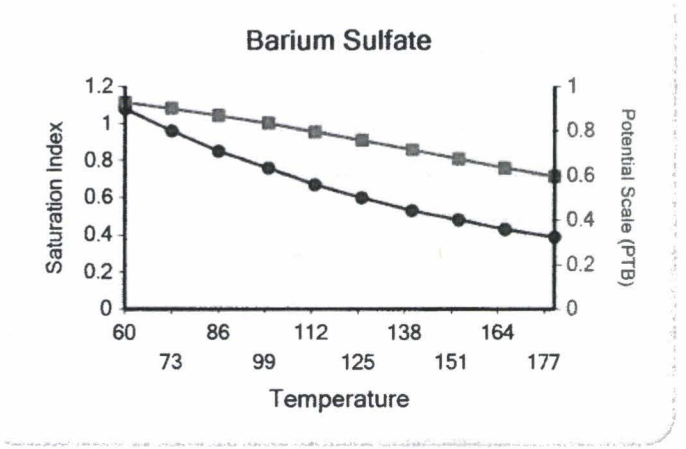
Water Analysis Report

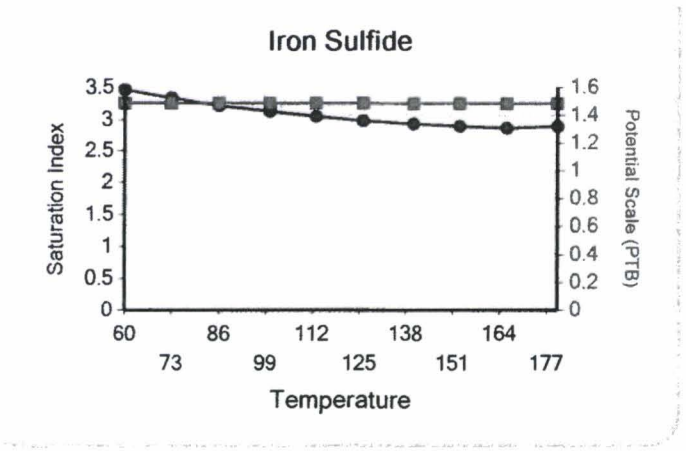
		Hemihydrate CaSO4˜0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
180.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	0.31	0.04	9.60	0.04	6.07	37.45	3.59	18.98	8.37	2.10
166.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.16	0.02	9.81	0.04	5.28	34.53	3.11	17.74	7.77	2.09
153.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.01	10.09	0.04	4.77	32.19	2.82	16.88	7.46	2.09
140.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.40	0.04	4.25	29.29	2.53	15.82	7.14	2.09
126.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.72	0.04	3.72	26.06	2.24	14.55	6.82	2.09
113.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.07	0.04	3.19	22.67	1.95	13.13	6.51	2.09
100.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.45	0.04	2.66	19.24	1.66	11.57	6.21	2.08
86.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.86	0.04	2.12	15.77	1.37	9.92	5.91	2.08
73.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.31	0.04	1.59	12.25	1.09	8.19	5.63	2.07
60.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.79	0.04	1.07	8.63	0.82	6.42	5.37	2.06

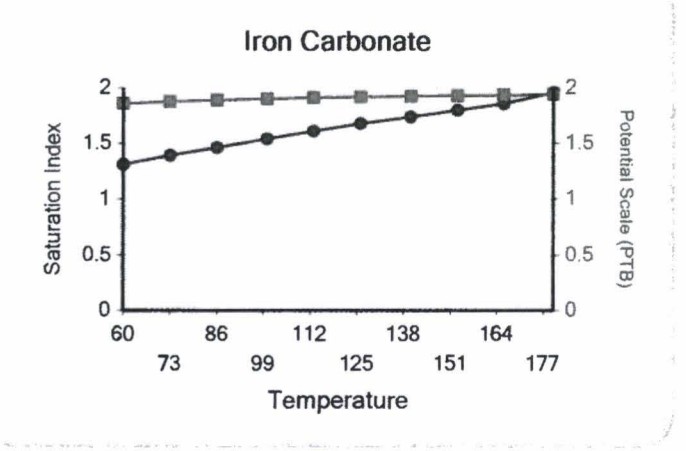
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

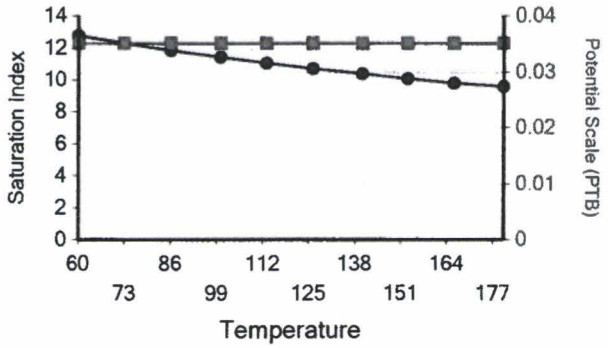




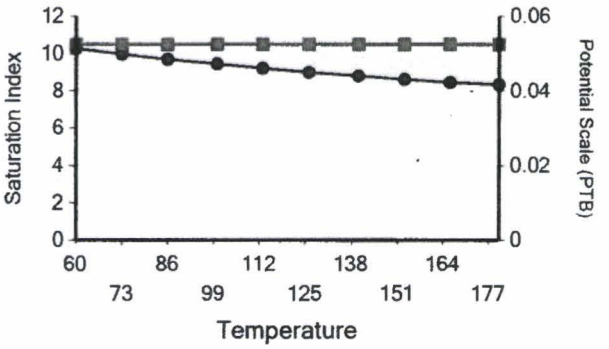




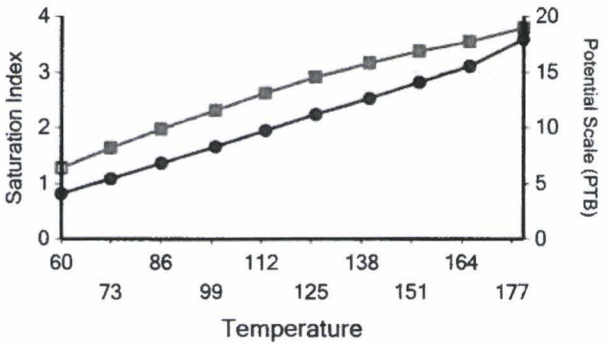
Lead Sulfide



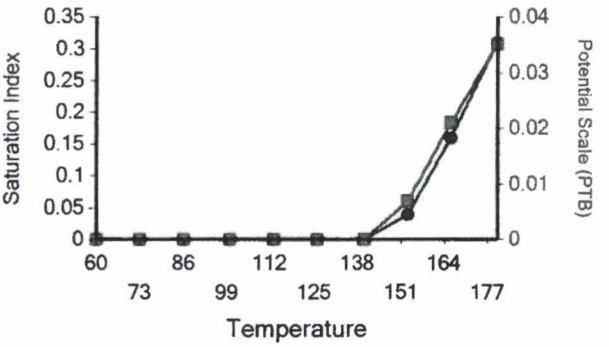
Zinc Sulfide



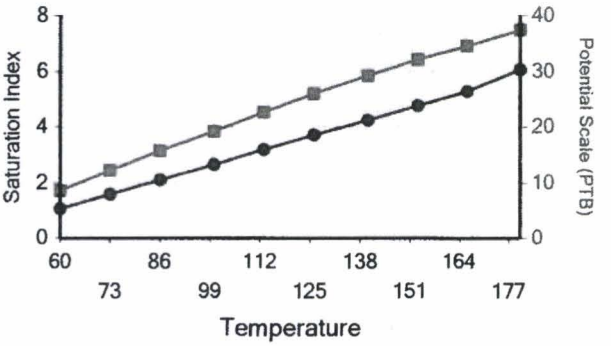
Ca Mg Silicate



Zinc Carbonate



Mg Silicate



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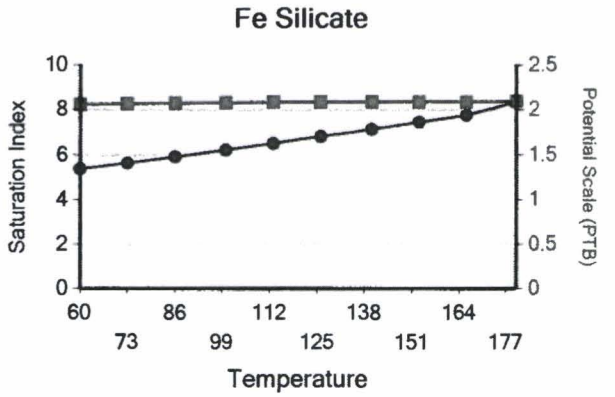
Water Analysis Report



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Units of Measurement: **Standard**

Water Analysis Report

Production Company: **FINLEY RESOURCES**
Well Name: **UTE TRIBAL 13-08A**
Sample Point: **Well**
Sample Date: **3/18/2013**
Sample ID: **WA-237681**

Sales Rep: **James Patry**
Lab Tech: **Layne Wilkerson**

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	3/27/2013
System Temperature 1 (°F):	60.00
System Pressure 1 (psig):	1300.0000
System Temperature 2 (°F):	190.00
System Pressure 2 (psig):	14.7000
Calculated Density (g/ml):	1.032
pH:	8.10
Calculated TDS (mg/L):	51321.78
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	80.00
H_2S in Gas (%):	
H2S in Water (mg/L):	8.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	18406.46	Chloride (Cl):	29000.00
Potassium (K):	63.00	Sulfate (SO_4):	4.00
Magnesium (Mg):	76.00	Bicarbonate (HCO_3):	2562.00
Calcium (Ca):	643.00	Carbonate (CO_3):	
Strontium (Sr):		Acetic Acid (CH_3COO)	
Barium (Ba):	40.00	Propionic Acid (C_2H_5COO)	
Iron (Fe):	523.00	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.40	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.02	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	3.90	Silica (SiO_2):	

Notes:

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
190.00	14.00	2.67	485.87	0.00	0.00	4.86	7.25	4.53	380.13	0.00	0.00	0.00	0.00	0.00	0.00	8.48	0.21
175.00	157.00	2.55	426.70	0.00	0.00	4.81	7.25	4.41	379.79	0.00	0.00	0.00	0.00	0.00	0.00	8.57	0.21
161.00	300.00	2.49	411.47	0.00	0.00	4.83	7.25	4.35	379.63	0.00	0.00	0.00	0.00	0.00	0.00	8.75	0.21
146.00	443.00	2.44	396.64	0.00	0.00	4.86	7.25	4.28	379.43	0.00	0.00	0.00	0.00	0.00	0.00	8.93	0.21
132.00	585.00	2.39	381.83	0.00	0.00	4.91	7.25	4.21	379.17	0.00	0.00	0.00	0.00	0.00	0.00	9.14	0.21
117.00	728.00	2.34	367.22	0.00	0.00	4.98	7.25	4.14	378.82	0.00	0.00	0.00	0.00	0.00	0.00	9.36	0.21
103.00	871.00	2.30	352.93	0.00	0.00	5.06	7.25	4.06	378.36	0.00	0.00	0.00	0.00	0.00	0.00	9.60	0.21
88.00	1014.00	2.26	339.09	0.01	0.08	5.15	7.25	3.98	377.74	0.00	0.00	0.00	0.00	0.00	0.00	9.87	0.21
74.00	1157.00	2.22	325.80	0.13	0.78	5.27	7.25	3.89	376.91	0.00	0.00	0.00	0.00	0.00	0.00	10.16	0.21
60.00	1300.00	2.19	313.02	0.26	1.41	5.42	7.25	3.80	375.81	0.00	0.00	0.00	0.00	0.00	0.00	10.48	0.21

		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
190.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	1.16	0.25	8.38	0.01	0.00	0.00	0.00	0.00	0.00	0.00
175.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99	0.24	8.59	0.01	0.00	0.00	0.00	0.00	0.00	0.00
161.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.87	0.23	8.87	0.01	0.00	0.00	0.00	0.00	0.00	0.00
146.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.22	9.19	0.01	0.00	0.00	0.00	0.00	0.00	0.00
132.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	0.58	0.20	9.52	0.01	0.00	0.00	0.00	0.00	0.00	0.00
117.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	0.42	0.16	9.89	0.01	0.00	0.00	0.00	0.00	0.00	0.00
103.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	0.24	0.11	10.29	0.01	0.00	0.00	0.00	0.00	0.00	0.00
88.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.02	10.72	0.01	0.00	0.00	0.00	0.00	0.00	0.00
74.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.20	0.01	0.00	0.00	0.00	0.00	0.00	0.00
60.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	11.72	0.01	0.00	0.00	0.00	0.00	0.00	0.00

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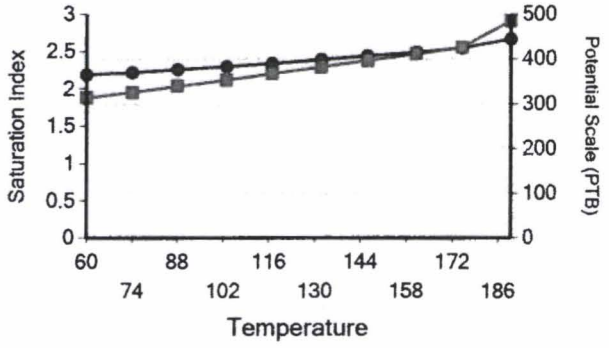
Water Analysis Report

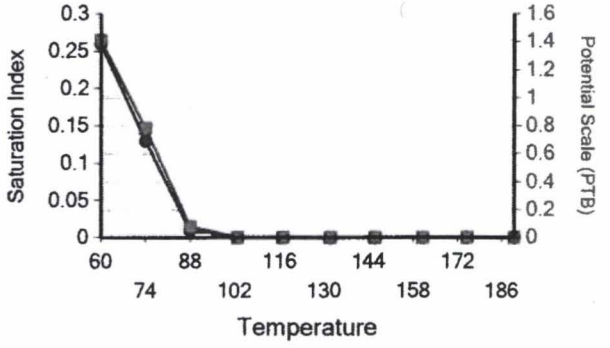
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Lead Sulfide

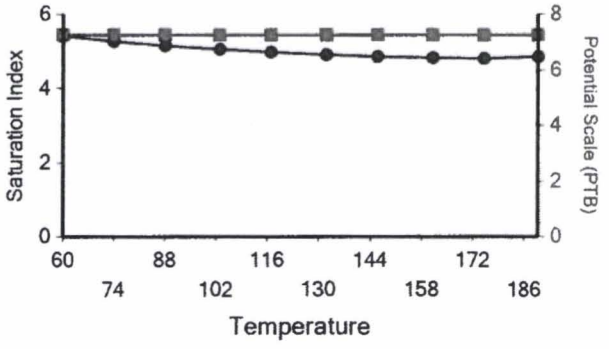
Calcium Carbonate



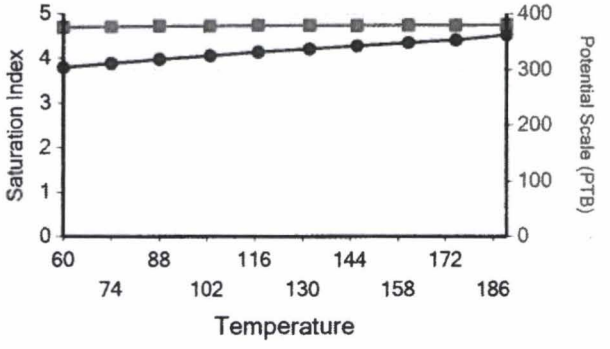
Barium Sulfate



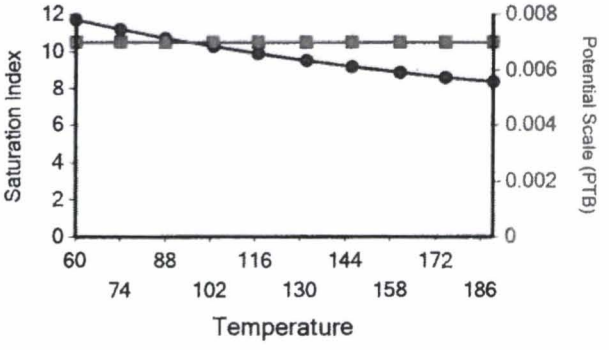
Iron Sulfide



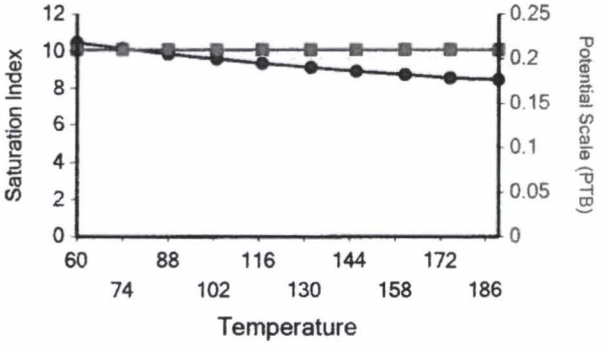
Iron Carbonate



Lead Sulfide



Zinc Sulfide



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Units of Measurement: **Standard**

Water Analysis Report

Production Company: **FINLEY RESOURCES-EBUS**
Well Name: **UTE 13-1 SWD,UINTAH**
Sample Point: **Rig-Last Swab Run**
Sample Date: **1/27/2015**
Sample ID: **WA-298864**

Sales Rep: **James Patry**
Lab Tech: **Gary Winegar**

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	1/28/2015
System Temperature 1 (°F):	190
System Pressure 1 (psig):	1300
System Temperature 2 (°F):	60
System Pressure 2 (psig):	15
Calculated Density (g/ml):	1.0971
pH:	9.20
Calculated TDS (mg/L):	177851.53
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	0.00
H_2S in Gas (%):	
H2S in Water (mg/L):	0.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	39722.90	Chloride (Cl):	120000.00
Potassium (K):	732.80	Sulfate (SO_4):	168.00
Magnesium (Mg):	80.06	Bicarbonate (HCO_3):	17080.00
Calcium (Ca):	1.96	Carbonate (CO_3):	
Strontium (Sr):	0.32	Acetic Acid (CH_3COO)	
Barium (Ba):	0.19	Propionic Acid (C_2H_5COO)	
Iron (Fe):	38.63	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	1.27	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	1.46	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.19	Silica (SiO_2):	23.75

Notes:
B=93.72 Al=.74 Li=.31

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	14.00	1.55	1.67	0.00	0.00	0.00	0.00	4.38	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
74.00	157.00	1.57	1.67	0.00	0.00	0.00	0.00	4.44	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
88.00	300.00	1.58	1.67	0.00	0.00	0.00	0.00	4.49	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
103.00	443.00	1.59	1.67	0.00	0.00	0.00	0.00	4.53	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
117.00	585.00	1.59	1.67	0.00	0.00	0.00	0.00	4.57	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
132.00	728.00	1.60	1.67	0.00	0.00	0.00	0.00	4.59	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
146.00	871.00	1.60	1.67	0.00	0.00	0.00	0.00	4.61	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
161.00	1014.00	1.61	1.67	0.00	0.00	0.00	0.00	4.62	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175.00	1157.00	1.62	1.68	0.00	0.00	0.00	0.00	4.63	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	1300.00	1.62	1.68	0.00	0.00	0.00	0.00	4.63	28.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
60.00	14.00	0.00	0.00	0.00	0.00	0.00	0.00	1.23	0.80	0.00	0.00	9.59	28.80	3.90	3.71	16.56	25.75
74.00	157.00	0.00	0.00	0.00	0.00	0.00	0.00	1.43	0.82	0.00	0.00	9.94	28.80	4.03	3.71	16.63	25.75
88.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	1.61	0.83	0.00	0.00	10.28	28.80	4.16	3.71	16.72	25.75
103.00	443.00	0.00	0.00	0.00	0.00	0.00	0.00	1.77	0.84	0.00	0.00	10.63	28.80	4.29	3.71	16.82	25.75
117.00	585.00	0.00	0.00	0.00	0.00	0.00	0.00	1.92	0.84	0.00	0.00	10.97	28.80	4.43	3.71	16.93	25.75
132.00	728.00	0.00	0.00	0.00	0.00	0.00	0.00	2.04	0.84	0.00	0.00	11.31	28.80	4.57	3.71	17.04	25.75
146.00	871.00	0.00	0.00	0.00	0.00	0.00	0.00	2.14	0.85	0.00	0.00	11.65	28.80	4.72	3.71	17.15	25.75
161.00	1014.00	0.00	0.00	0.00	0.00	0.00	0.00	2.23	0.85	0.00	0.00	11.97	28.80	4.87	3.71	17.26	25.75
175.00	1157.00	0.00	0.00	0.00	0.00	0.00	0.00	2.31	0.85	0.00	0.00	12.30	28.80	5.01	3.71	17.37	25.75
190.00	1300.00	0.00	0.00	0.00	0.00	0.00	0.00	2.37	0.85	0.00	0.00	12.61	28.80	5.16	3.71	17.48	25.75

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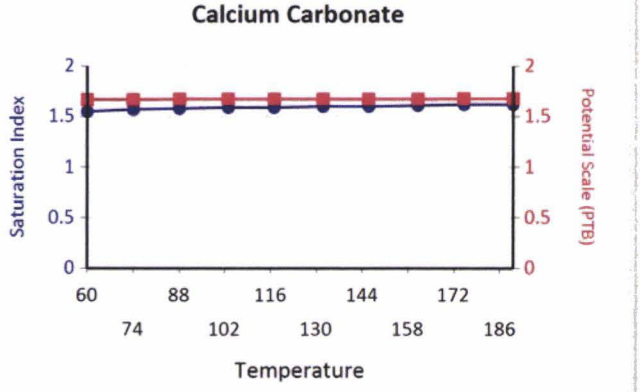
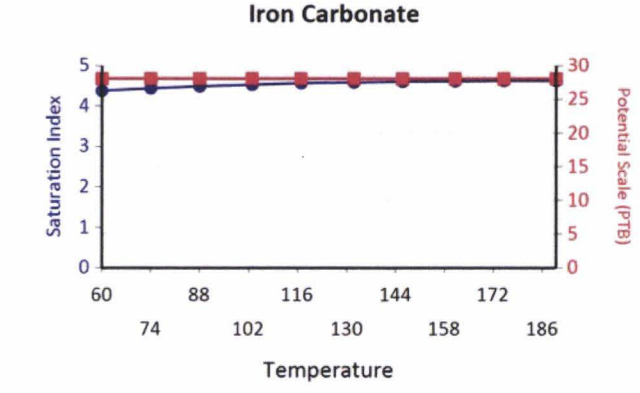
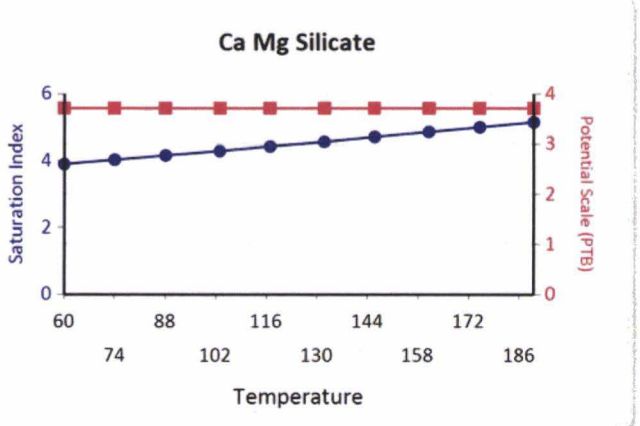
Water Analysis Report

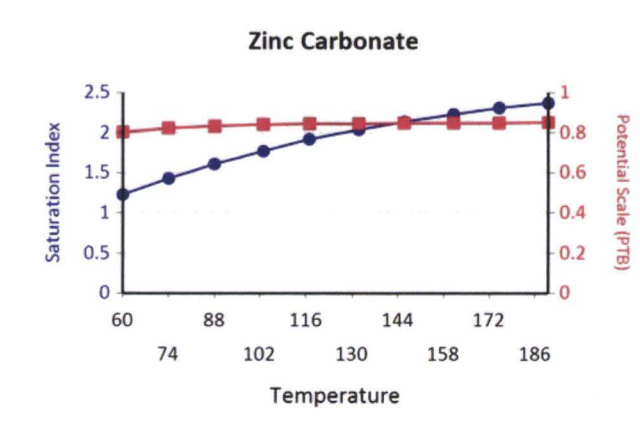
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate

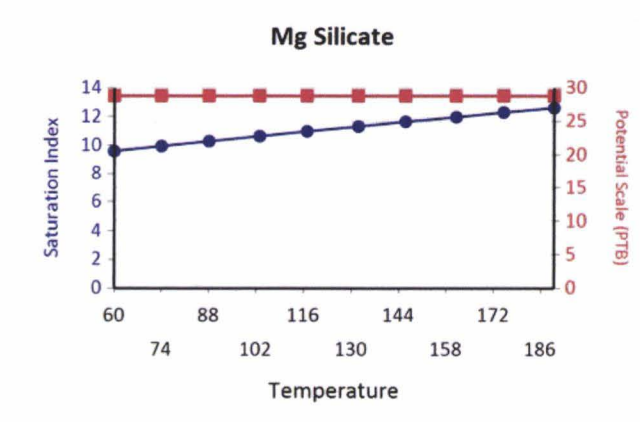
These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Iron Carbonate Zinc Carbonate Mg Silicate Ca Mg Silicate Fe Silicate











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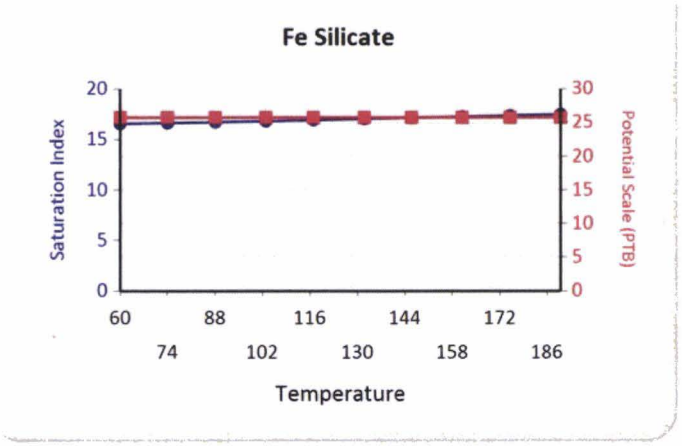
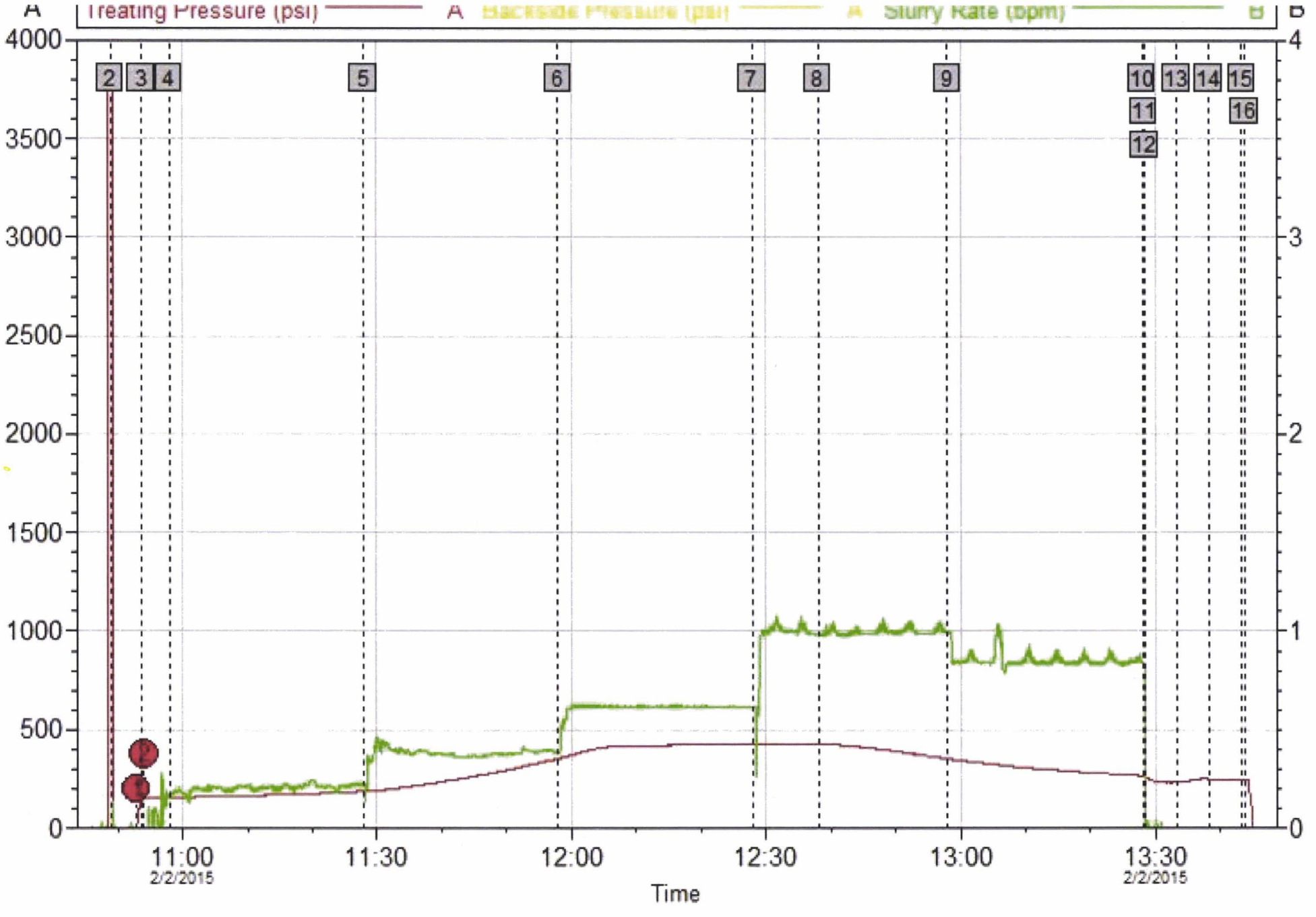
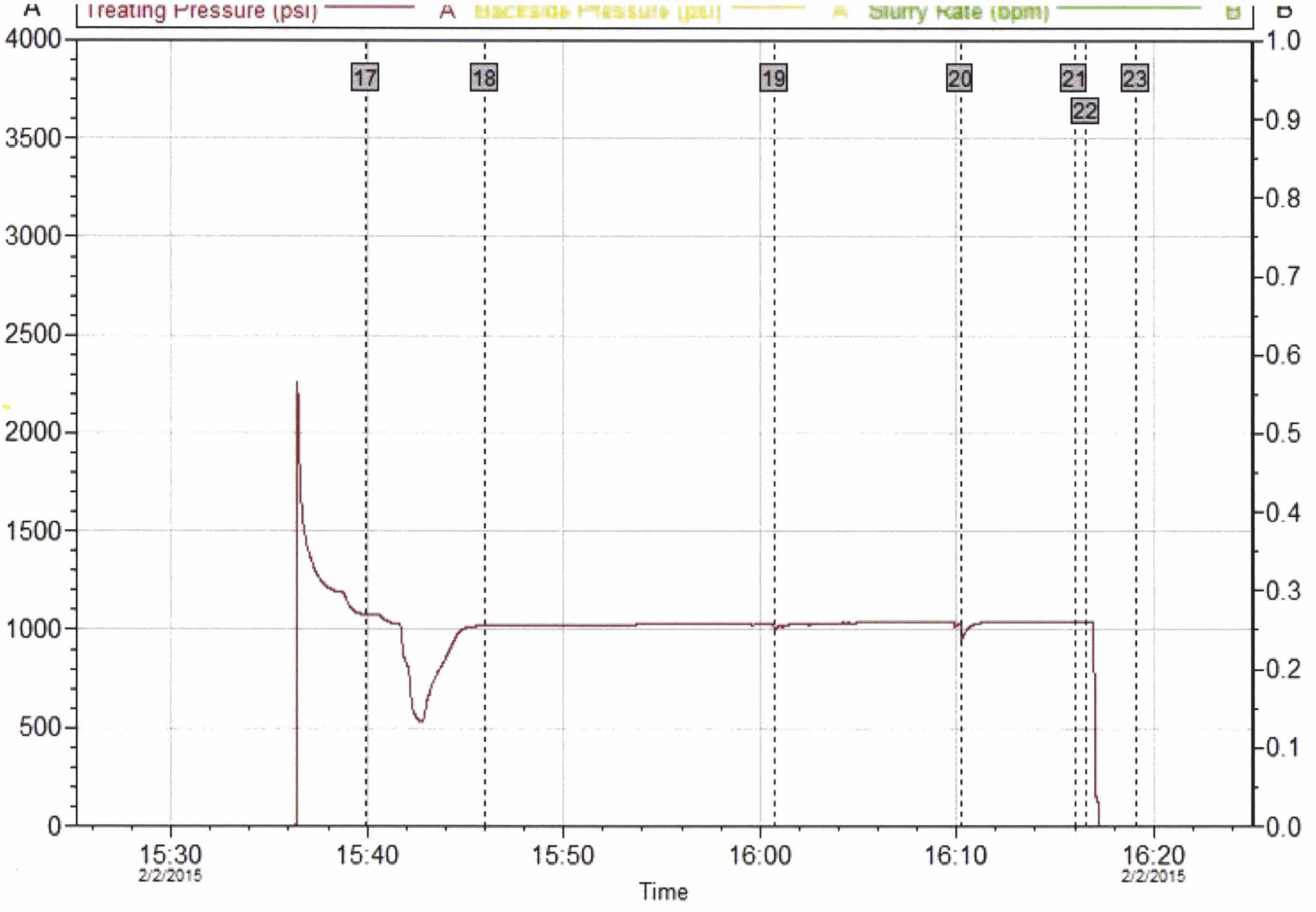
Water Analysis Report





Customer: FINLEY RESOURCES INC - EBUS	Job Date: 02-Feb-2015	Sales Order #: 0902095959
Well Description: Ute 13-1 -4-1 SWD	UWI:	

INSITE for Stimulation v4.5.1
02-Feb-15 16:21



Customer: FINLEY RESOURCES INC - EBUS	Job Date: 02-Feb-2015	Sales Order #: 0902095959
Well Description: Ute 13-1 -4-1 SWD	UWI:	

INSITE for Stimulation v4.5.1
02-Feb-15 16:23

HALLIBURTON JOB LOG

TICKET # 9.02E+08	TICKET DATE February 2, 2015		
REGION NORTH AMERICA	NWA / COUNTRY ROCKY MOUNTAIN / USA	BDA / STATE Utah	COUNTY Duchesne
MBU ID / EMPL # 0	H.E.S EMPLOYEE NAME 0	PSL DEPARTMENT PRODUCTION ENHANCMENT	
LOCATION VERNAL UT.	COMPANY Finley	CUSTOMER REP / PHONE 0	
TICKET AMOUNT $0.00	WELL TYPE 00	WELL CATEGORY 00	API/UWI # 0
WELL LOCATION LAND	DEPARTMENT 5005	JOB PURPOSE CODE 0	
LEASE Ute	WELL # 13-1-4-1 SWD	SEC / TWP / RNG 0	

Chart No.	Time	Rate bpm	Volume bbl	Pmps T	Pmps C	Press.(PSI) Tbg	Press.(PSI) Csg	Job Description / Remarks
	0500							CALLED OUT
	0900							ON LOCATION
	0905							PRE RIG UP SAFETY HUDDLE
	0910							RIG UP
	0820							PRE JOB SAFETY MEETING
	10:48	0.0	0			3,806		Pressure Test
	10:52	0.0	0			3		Start Job
	10:53	0.0	0			142		Open Well
	10:54	0.0	0			150		Pump-In
	10:58	0.2	0			157		Injection Rate Start 0.2
	11:28	0.2	6			188		Injection Rate End 0.2. Increase Rate to 0.4
	11:58	0.4	18			354		Injection Rate end 0.4 step increase rate to 0.6
	12:28	0.6	36			427		Injection Rate end 0.6 step increase rate to 1.0
	12:38	1.0	46			428		Break Formation
	12:58	1.0	66			353		Injection Rate end 1.0 step decrease rate to 0.85
	13:28	0.8	91			265		Injection Rate end
	13:28	0.8	92			265		Shutdown
	13:28	0.3	92			264		ISIP
	13:33	0.0	92			233		Shut-In Pressure @ 5 Minutes
	13:38	0.0	92			248		Shut-In Pressure @ 10 Minutes
	13:43	0.0	92			246		Shut-In Pressure @ 15 Minutes
	13:43	0.0	92			247		Shut In Well
	15:39	0.0	92			1,076		Open Well
	15:46	0.0	92			1,020		MIT Pressure Test Start
	16:00	0.0	92			1,011		Dropped parts in bed of truckcable
	16:10	0.0	92			1,032		Dropped parts in bed of truck
	16:16	0.0	92			1,044		MIT EndPressure Test
	16:16	0.0	92			1,044		Shut In Well
	16:19							Ending Job
								ALL RATES AND PRESSURES DIRECTED BY CUSTOMER REP.
								SUMMARY
								HHP **5** FG. **0.51**
								AVG RT. **0.7** BPM MAX RT. **1.1** BPM
								AVG PRESS. **300** PSI MAX PRESS. **428** PSI
								TOTAL LOAD **3,864** GAL **92.0** BBL

HALLIBURTON
JOB SUMMARY

TICKET #	TICKET DATE
902095959	February 2, 2015

REGION	NWA / COUNTRY	BDA / STATE	COUNTY
NORTH AMERICAN	ROCKY MOUNTAIN / USA	Utah	Duchesne

MBU ID / EMPL #	H.E.S EMPLOYEE NAME / EMPLOYEE #	PSL DEPARTMENT
		PRODUCTION ENHANCMENT

LOCATION	COMPANY	CUSTOMER REP / PHONE
VERNAL UT.	Finley	

TICKET AMOUNT	WELL TYPE	WELL CATEGORY	API/UWI #

WELL LOCATION	DEPARTMENT	JOB PURPOSE CODE
LAND	5005	

LEASE	WELL #	SEC / TWP / RNG
Ute	13-1-4-1 SWI	

H.E.S. EMP NAME / EMP # / (EXPOSURE HOURS)	HRS		HRS		HRS		HRS
	8.0						
Merrell, Brandon / 244956	8.0						
	8.0						
	8.0						
	8.0						
	8.0						
	8.0						
	8.0						

H.E.S. UNIT #S / (R / T MILES)	R / T MILES		R / T MILES		R / T MILES		R / T MILES
	70						
12251192	70						
	70						
	70						
	70						
	70						
	70						
	70						

Form. Name _____ Type:
Form. Thickness 328 From 3,238 To 3,566
Packer Type _____ Set At 3,177
Bottom Hole Temp. _____ Pressure 1,739
Misc. Data _____ Total Depth

	Called Out	On Location	Job Started	Job Completed
Date	2/2/2015	2/2/2015	2/2/2015	11/19/2014
Time	0500	0900	1052	1617

Materials

Treat. Fluid		Density	Lb/Gal
Disp. Fluid		Density 8.34	Lb/Gal
Prop. Type		Sz	Lb.
Prop. Type		Sz	Lb.
Acid Type	Gal.	%	
Acid Type	Gal.	%	
Surfactant	Gal.	In	
Surfactant	Gal.	In	
Fluid Loss	Gal/Lb	In	
Gelling Agent	Gal	In	
Breaker	Gal/Lb	In	
Breaker	Gal/Lb	In	
INHIBITOR	Gal/Lb	In	
Bioballs	Qty.		
Biocide	Gal/Lb	In	
Cross-linker	Gal/Lb	In	
Cross-linker	Gal/Lb	In	
Clay Contol	Gal/Lb	In	
Clay Contol	Gal/Lb	In	
Buffer	Gal/Lb	In	
Buffer	Gal/Lb	In	
Buffer	Gal/Lb	In	
Foamer	Gal/Lb	In	
Catalyst	Gal/Lb	In	
Other	Gal/Lb	In	
Other	Gal/Lb	In	
Other	Gal/Lb	In	
Other	Gal/Lb	In	
Other	Gal/Lb	In	

Well Data

	New/Used	Weight	Size	From	To	Max. Allow
Casing		23.00	7.000	0	3,820	
Casing						
Liner						
Tbg. / D.P.		12.75	4.500	0	3,198	
Tbg. / D.P.						
Tbg. / D.P.						
Perforations						Shots/Ft.
Perforations				3238	3,566	
Perforations						
Perforations						
Perforations						
Perforations						
Perforations						
Perforations						

Hours On Location

Date	Hours
	8.0
Total	8.0

Operating Hours

Date	Hours
	8.00
Total	8.00

Description of Job

Job Leaders

MBU LDR.	
TEAM LDR.	Merrell, Brandon / 244956
ENG.	Merrell, Brandon / 244956

Treating Personnel

VAN	Merrell, Brandon / 244956
SAFTEY	
DRIVER	Merrell, Brandon / 244956

Hydraulic Horsepower

Ordered 500 Avail. 500 Used 5

Rates in BPM

Max. Rate 1.1 Avg. Rate 0.7

Summary

Pressures

Circulating		Displacement		Preflush:	Gal - BBl
Breakdown	428	Maximum	428	Load & Bkdn:	Gal - BBl
Average	300	Frac. Gradient	0.51	Treatment:	Gal - BBl
Shut In: Instant	264	5 Min. 233	15 Min. 246	Total Volume	Gal - BBl 3,864

Volumes

		Type:	
		Pad:Bbl -Gal	
		Disp:Bbl-Gal	
	Gal	92.0	BBL

INSPECTION FORM

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - PRESSURE TEST

Well Name: UTE 13-1 SWD API Number: 43-047-54256

Qtr/Qtr: SWSW Section: 13 Township: 4S Range: 1E

Company Name: Finley Resources, Inc.

Lease: State ____ Fee: Surface Federal ____ Indian ____

Inspector: Chris Jensen Date: 2/2/2015

Initial Conditions:

Tubing - Rate: -0- Pressure: 300# psi

Casing/Tubing Annulus - Pressure: 10 psi

Conditions During Test:

Time (Minutes)	Annulus Pressure	Tubing Pressure
0	1020	300
5	1020	300
10	1020	"
15	1020	"
20	1020	"
25	1020	"
30	1020	300#

Results: Pass/Fail

Conditions After Test:

Tubing Pressure: 300# psi

Casing/Tubing Annulus Pressure ____ psi

COMMENTS:

Witness C. Jensen

Operator Representative

James A. Simonton 435-630-1023

P&A Procedure

Ute Tribal 13-1C
Leland Bench Field – Uintah County, Utah

Date: 3-5-2014

AFE No.:

AFE Cost: $ Est. Cost to date : $

Purpose: P&A injection well.

Elevation: GL 5103' KB 5115' TD: 3789' PBTD: 3700'.

	OD, IN	ID, IN	WT., #/FT	GRADE	DEPTH, FT.	CMT. SKS.	EST. TOC, FT	CAP., BBL/FT	BURST, PSI	COLLAPSE, PSI
Surface	9 5/8"	8.75	36#	J-55, STC	358'		surf			
Production	7"	6.366	23	N80, LTC	3789'	545	surf	0.0394	6340	3830
Tubing										

Safety Considerations. **Notify all agencies of P&A.**

Procedure:

1. MIRU CU. Kill well, ND WH, NU BOP, test same. Release pkr. Strap OOH w/ tbg, rack back tbg, LD pkr.

2. PU cmt retainer and tbg, TIH, set retainer at +/- 3100'.

3. RU cmt/pump truck, establish injection rate. Sqz perfs w/75 sx cmt, sting out of retainer and spot 10' cmt on top. TOOH (PLUG #1).

4. POOH w/ tbg to +/- 1000', spot 25 sx balanced plug inside 7" csg 1,003'-803', wait 24 hrs, tag plug (PLUG #2).

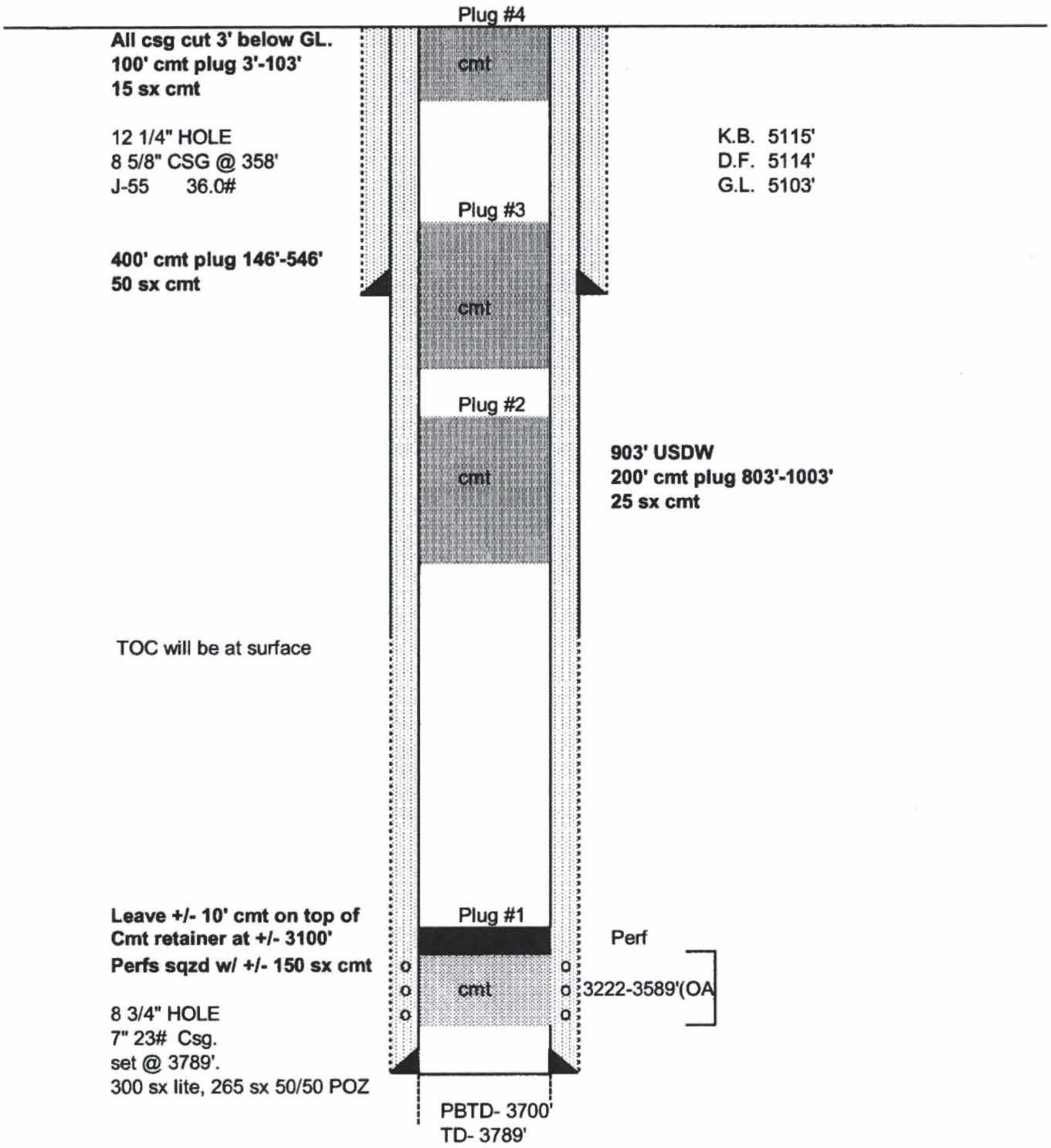
5. POOH w/ tbg to +/- 546', spot 50 sx balanced plug inside 7" csg 546'-146', wait 24 hrs, tag plug (PLUG#3).

6. POOH w/tbg to +/- 103', spot 20 sx cmt plug 103'-3'. Cut off csg 3' below GL (PLUG #4).

LCO 3/5/14.

Finley Resources, Inc.

Ute 13-1 SWD
Uintah County, Utah
P&A Schematic



Ute Tribal 13-10A-4-1

Spud Date: 10/18/13

Completion Date: 11/08/13

GL: 5117' KB:5130'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 12 jts. (505')

DEPTH LANDED: 505'

HOLE SIZE: 12-1/4"

CEMENT DATA: 360 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 183 jts.(7730') (FC@7687')

HOLE SIZE: 7-7/8"

TOTAL DEPTH: (7760')

CEMENT DATA: 400 sxs 10.0 ppg & 700 sxs 12..0 ppg

CEMENT TOP AT: 270 ' per CBL dated 10/30/13

TUBING (11/18/2013)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 157 jts (5114.86')

TUBING ANCHOR: 5117.55'

NO. OF JOINTS: 18 jts (584.49')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED: 5703.14' KB

Perf.sub: 4.2'

No. OF JOINTS: 4 jts (129.95')

2-7/8" Bull Plug (0.72')

TOTAL STRING LENGTH: EOT @ 5837.99' KB'

SUCKER RODS (10/15/13)

POLISHED ROD: 1-1/2" x 26'

SUCKER RODS: 1-2'x 7/8" pony rods, 86 x 7/8" plain rods, 118 x ¾" plain rods; 10x3/4" guided rods; 10 x 1-½" weight bars; 11-4'x1" stabilizers

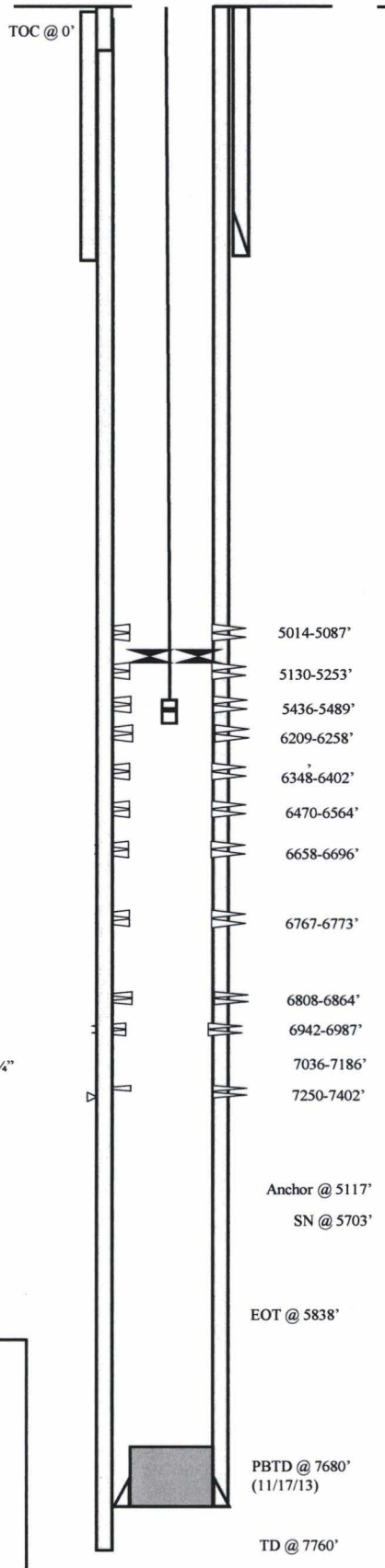
PUMP SIZE: 2-½ x 1-3/4'' x 16' RHAC

STROKE LENGTH: 149"

PUMP SPEED, SPM:

PUMPING UNIT:

Wellbore Diagram



FRAC JOB

11-07-13 7250-52;	**Frac Wasatch sand as follows:**
7353-55'; 7396-7402'	Frac with 50M# 20/40 sand with 20# . Lightning fluid and 744 bbl..
11-07-13 7036-39';	**Frac Wasatch sand as follows:**
7132-36'; 7184-86'	Frac with 45M# 20/40 sand in 1730 bbls Lightning 20# fluid.
11-07-13 6942-44';	**Frac Uteland Butte zones**
6955-58'; 6962-65';	with 50M# of sand in 2340 bbl..
6977-79' z7 6984-87;	Lightning 20# fluid (HYBRID)
11-08-13 6808-12';	**Frac Castle Peak sands**
6824-26'; 6830-32';	with 80M# 20/40 Lightning 17#
6843-47' & 6860-64';	fluid in 1800 bbl. (HYBRID)
11-08-13 6767-6773'	**Frac Castle Peak zones with 51**M#20/40 sand in 690 bbls.Lightning 17 fluid.
11-08-13 6658-64';	**Frac Castle Peak sands**
6692-96'.	with 61M# 20/40 sand in 825 bbl. Lightning 17# fluid
11-08-13 6470-72';	**Frac Black Shale/Castle Peak**
6531-34'; 6542-45';	with 81M# 20/40 sand in 970 bbl.
6560-64'	with Lighning 17# fluid
11-09-13 6348-54';	**Frac Black Shale zones**
6364-66'; 6382-86' &	with 71M# 20/40 sand in 830 bbl.
6400-02'.	Lightning 17# fluid
11-9-13: 6209-11';	**Frac Douglas Creek zones**
6221-24'; 6233-36' &	with 50M# 20/40 sand in 1300 bbl.
6256-58'.	Lightning 17# fluid (HYBRID)
11-9-13: 5436-38';	**Frac Garden Gulch zones**
5447-49'; 5472-76';	with 80M# 20/40 sand in 1850 bbl.
5480-82' & 5487-89'	Lightning 17# fluid (HYBRID)
11-9-13: 5130-34';	**Frac Garden Gulch zones**
5144-47'; 5184-86';	with 60M# 20/40 sand in 1380 bbl.
5239-41' & 5251-53.	Lightning 17# fluid (HYBRID)
11-9-13: 5014-16'; 5020-24'	**Frac Garden Gulch/Green River**
5239-41' & 5251-53'	with 57M# 20/40 in 720 bbl. 17# gel

PERFORATION RECORD

7250-7402'	4 JSPF	40 Holes	Zone #1
7036-7186'	4 JSPF	36 Holes	Zone #2
6942-6987'	3 JSPF	39 Holes	Zone #3
6808-6864'	3 JSPF	48 Holes	Zone #4
6767-6773'	3 JSPF	18 Holes	Zone #5
6658-6696'	3 JSPF	30 Holes	Zone #6
6470-6564'	3 JSPF	36 Holes	Zone #7
6348-6402'	3 JSPF	42 Holes	Zone #8
6209-6258	3JSPF	30 Holes	Zone #9
5436-5489'	3JSPF	36 Holes	Zone #10
5130-5253'	3JSPF	39 Holes	Zone #11
5014-5087'	3 JSPF	30 Holes	Zone #12

FINLEY RESOURCES, INC.

Ute Tribal 13-10A-4-1
2310'FSL & 1650'FEL (NW/SE)
Section 13, T4S, R1E
Uintah Co, Utah
API # 43-047-52647; Lease # 14-20-H62-4896

JAS 1/13/14

Ute Tribal 13-11A-4-1

Spud Date: 12/1/12

Completion Date: 1/2413

GL: 5127' KB: 5140'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 12 jts. (505')

DEPTH LANDED: 505'

HOLE SIZE: 12-1/4"

CEMENT DATA: 360 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 181 jts.(7663'shoe) (FC@7621')

HOLE SIZE: 7-7/8"

TOTAL DEPTH: (7680'')

CEMENT DATA: 400 sxs 10.5 ppg & 700 sxs 12..0 ppg

CEMENT TOP AT: 230' per CBL 12/10/12

TUBING (1/24/13)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 191 jts (6206.59') 13' KB; 1.34' stretch

TUBING ANCHOR: 6223.73'

NO. OF JOINTS: 27 jts (878.47')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED: 7103.30' KB

PERF. SUB: 4.16'

No. OF JOINTS: 2 jts (65.15')

2-7/8" BULL PLUG: (0.74')

TOTAL STRING LENGTH: EOT @ 7173.35' KB'

SUCKER RODS (01/22/13)

POLISHED ROD: 1-1/2" x 30'

SUCKER RODS: 2', 4', x 7/8" pony rods; 115x 7/8" plain rods,

150 x 3/4" plain rods; 10x3/4" guided rods; 6 x 1-1/2" weight bars; 7-4'x1" stabilizers

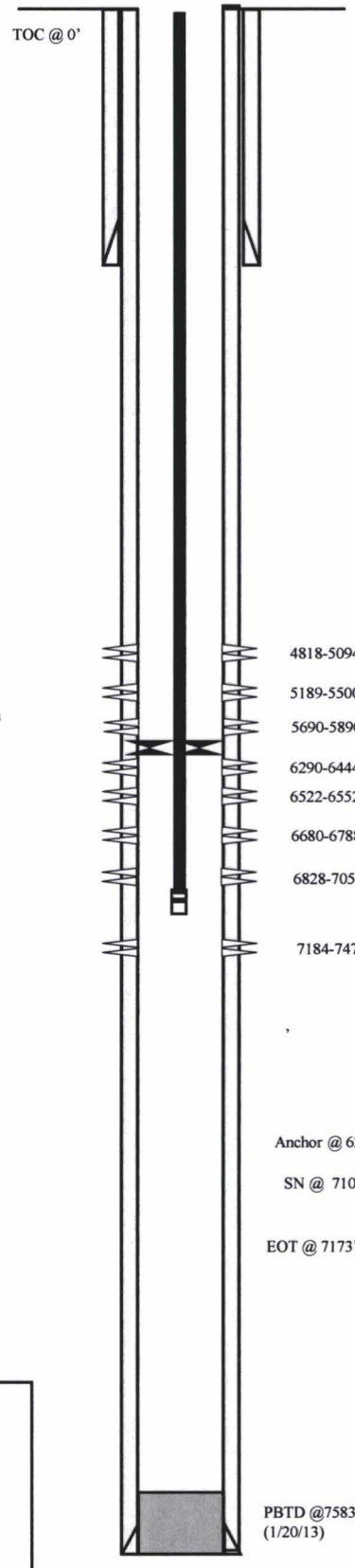
PUMP SIZE: 2-1/2 x 1-1/2'' x 12x16x18' RHAC w/ 3' screen

STROKE LENGTH: 141"

PUMP SPEED, SPM:

PUMPING UNIT:

Wellbore Diagram



FRAC JOB

01-10-13 7184-98 & 7464-74'. **Frac Wasatch sands w/** 73M# 20/40 sand in 805 bbl. Delta 140 fluid.
Tagged w/ Iridium

01-10-13 6828-14'; 6850-56; 6868-71'; 6884-86'; 6914-18'; 6954-57'; 6967-70'; 6975-78'; 6990-92'; 6997-7000'; 7007-10'; 7054-56'. **Frac Castle Peak/ Uteland Buttes** with 75M# 20/40 sand in 1200 bbls Delta 140 fluid. Taggged with Scandium

01-10-13 6680-83'; 6700-06'& 6776-88'. **Frac Castle Peak zones** with 63M# 20/40 sand in 600 bbls - **Delta 140** fluid.

01-10-13 6522-25'; 6532-34'; 6539-42' & 6546-52'. **Frac Black Shale sands** with 42M# 20/40 sand in 715 bbls Delta 140 fluid.

01-10-13 6290-96'; 6313-19'; 6367-70; 6392-98'; 6412-15' & 6434-44'. 6496-99' & 6516-23'. **Frac Black Shale zones** with 97M# 20/40 sand in 960 bbls Delta 140 fluid.

01-10-13 5690-94'; 5714-18'; 5846-50' & 5886-90'. **Frac Douglas Creek /Garden Gulch** **w/** 48M # 20/40 sand in 520 bbl. Delta 140 fluid

01-10-13 5189-92'; 5244-47'; 5343-47'; 5480-84'; 5488-92' & 5496-5500'. **Frac Garden Gulch zones** with 63,600# 20/40 sand in 655 bbl. w/ Delta 140 fluid

01-10-13 4818-20'; 4852-56'; 4871-78'; 5055-59' & 5089-94'. **Frac Garden Gulch/Green River** w/ 71M# 20/40 in 925 bbl. Delta 140 fluid

Halliburton performed the frac work.

PERFORATION RECORD

7184-7474'	3 JSPF	72 holes	Zone #1
6828-7056'	3 JSPF	114holes	Zone #2
6680-6788'	3 JSPF	63 holes	Zone #3
6522-6552'	3 JSPF	42 holes	Zone #4
6290-6444'	3 JSPE	96 holes	Zone #5
5690-5890'	3 JSPE	48 holes	Zone #6
5189-5500'	3 JSPE	63 holes	Zone #7
4818-5094'	3 JSPE	72 holes	Zone #8

FINLEY RESOURCES, INC.

Ute Tribal 13-11A-4-1
2310' FSL & 2310' FWL (NE/SW)
Section 13, T4S, R1E
Uintah Co, Utah
API # 43-047-52646; Lease # 14-20-H62-4896

JAS 1/29/14

Ute 13-12A-4-1

Spud Date: 9-26-13
Completion Date: 10-25-13

GL: 5130' KB: 5143'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 12 jts. (502')
DEPTH LANDED: 502'
HOLE SIZE: 12-1/4"
CEMENT DATA: 360 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 187 jts.(7762') (shoe set at 7775'); (FC @ 7730') KB Depths
HOLE SIZE: 7-7/8"
TOTAL DEPTH: 7790'
CEMENT DATA: 400 sxs 10.5 ppg lead and 700 sxs 12.0 ppg tail
CEMENT TOP AT: 270' per CBL 10/9/13

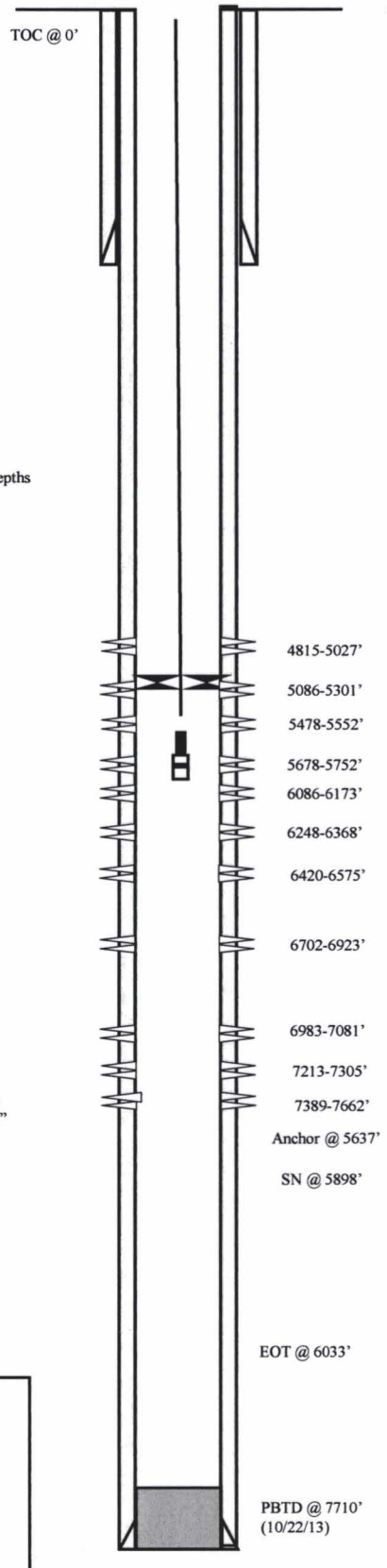
TUBING (10-25-2013)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 173 jts (5634.71')
TUBING ANCHOR: 5637.41'
NO. OF JOINTS: 8 jts (260.08')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED: 5898.59' KB
PERF. SUB: 4.25
NO. OF JOINTS: 4 jts (130.01')
BULL PLUG: 2-7/8" (0.75')
TOTAL STRING LENGTH: EOT @ 6033.60' KB'

SUCKER RODS (10/23/13)

POLISHED ROD: 1-1/2" x 26'
SUCKER RODS: 2',4' x 7/8" pony rods, 93 x 7/8" slick rods, 123 x ¾" slick rods; 10-3/4" guided rods; 10 x 1-½" weight bars; 11-4'x1" weight bars
PUMP SIZE: 2-½ x 1-1/2' x 16' with 21' dip tube
STROKE LENGTH: 149"
PUMP SPEED, SPM:
PUMPING UNIT:

Wellbore Diagram



FRAC JOB

10-14-13 7389-91'; 7541-43; 7600-02'; 7628-32' & 7658-62' **Frac Wasatch zones with 60M# 20/40 in 900 bbl. 20#**

10-14-13 7213-15'; 7242-44'; 7283-85' & 7302-05'. **Frac Wasatch zones with** 40M# 20/40 in 685 bbls in a 20# system

10-14-13 6983-85'; ' 6989-91'; 6998-7000'; 7006-08'; 7016-18'; 7063-65'& 7079-81'. **Frac Wasatch/Uteland Buttes** with 75M# of sand and 1817 bbl. (20#) (HYBRID)

10-14-13 6702-04'; 6782-84'; 6818-22'; 6839-41'; 6855-58'; 6872-76';6892-94' & 6923-25' **Frac.Castle Peak/Uteland Butte** with 120M# and 2690 bbl. (17#) (HYBRID)

10-15-13 6420-22'; 6428-30'; 6445-47'; 6459-61'; 6474-76'; 6482-84'; 6523-25'; 6538-40'; 6555-57' & 6573-75' **Frac Black Shale/Castle Peak** w/ 120M# sand in 2635 bbl.(17#) (HYBRID)

10-15-13 6248-50' & 6362-68' **Frac Douglas Creek** zones w/ 81M# sand in 990 bbl.—17#

10-15-13 6086-90'; 6146-52' & 6165-73' **Frac Douglas Creek** zones w/ 101M# sand in 1260 bbl. (17#)

10-15-13 5678-82'; 5687-89'; 5694-96'; 5706-08' & 5750-52' **Frac Garden Gulch** zones w/ 60M# sand in 1440 bbl. 17# (HYBRID)

10-15-13 5478-80'; 5493-96' & 5548-52' **Frac Garden Gulch** zones w/ 60M# in 780 bbl..(17#)

10-15-13 5086-88'; 5132-36'; 5147-50'; 5186-88'; 5240-42'; 5254-56' & 5299-5301' **Frac Garden Gulch zones w/** 70M# in 2015 bbl. (17# HYBRID)

10-15-13 4815-17'; 4852-55'; 4870-73'; 4883-85'; 4895-97'; 5012-14'; 5014-18' & 5025-27'. **Frac Mahogany Bench** zones w/ 100M# in 2200 bbl. (17# HYBRID)

PERFORATION RECORD

7389-7662'	3 JSPF	52 holes
7213-7305'	3 JSPF	27 holes
6983-7081'	3 JSPF	42 holes
6702-6923'	3 JSPF	63 holes
6420-6575'	3 JSPE	60 holes
6248-6368'	3 JSPE	24 holes
6086-6173'	3 JSPE	54 holes
5678-5752'	3 JSPE	36 holes
5478-5552'	3 JSPE	27 holes
5086-5301'	3 JSPE	51 holes
4815-5027'	3 JSPE	60 holes

FINLEY RESOURCES, INC.

Ute 13-12A-4-1
2383' FSL & 468' FWL (NW/SW)
Section 13, T4S, R1E
Uintah Co. Utah
API # 43-047-52648; Lease # 14-20-H62-4896

Revised 1/21/14
JAS

Ute 13-13A-4-1

Spud Date: 10-03-13
Completion Date: 10-31-13

GL: 5109' KB: 5122'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 12 jts. (502')
DEPTH LANDED: 502'
HOLE SIZE: 12-1/4"
CEMENT DATA: 360 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 187 jts.(7611') (shoe set at 7654'); (FC @ 7609') KB Depths
HOLE SIZE: 7-7/8"
TOTAL DEPTH: 7665'
CEMENT DATA: 400 sxs 10.5 ppg lead and 700 sxs 12.0 ppg tail
CEMENT TOP AT: 180' per CBL 10/15/13

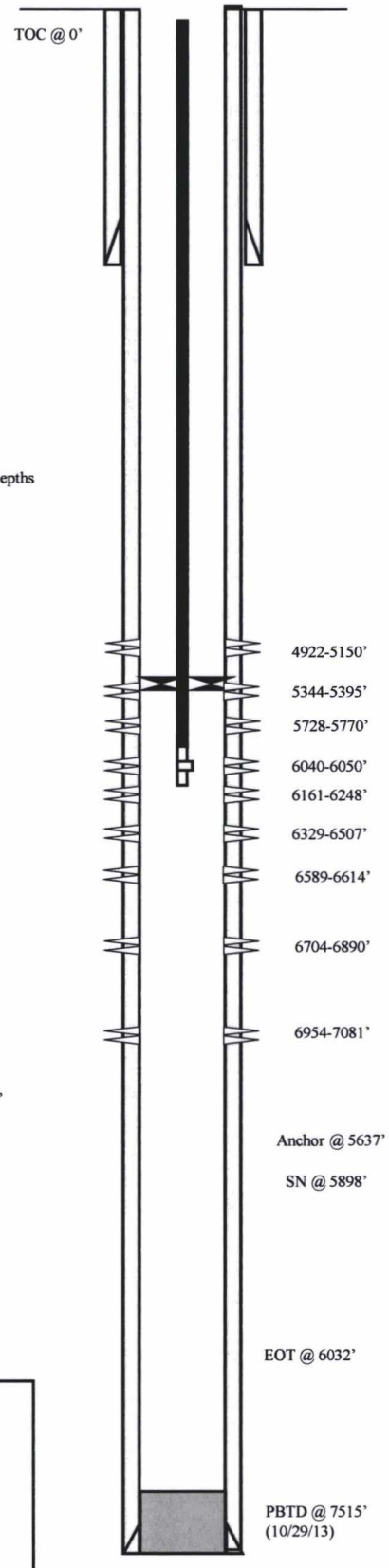
TUBING (10-31-2013)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 173 jts (5619.61')
TUBING ANCHOR: 5636.58'
NO. OF JOINTS: 8 jts (260.03')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED: 6032.50' KB
PERF.SUB: 4.22'
NO. OF JOINTS: 4 jts (130.01')
BULL PLUG: 2-7/8" (0.71')
TOTAL STRING LENGTH: EOT @ 6033.60' KB'

SUCKER RODS (10/31/13)

POLISHED ROD: 1-1/2" x 26'
SUCKER RODS: 4' x 7/8" pony rod, 88 x 7/8" slick rods, 124 x ¾" slick rods; 10-3/4" guided rods; 10 x 1-½" weight bars; 10-4'x1" weight bars
PUMP SIZE: 2-½ x 1-3/4' x 16' with 21' dip tube
STROKE LENGTH: 142"
PUMP SPEED, SPM:
PUMPING UNIT:

Wellbore Diagram



FRAC JOB

10-23-13 6954'-58; 6996-98; 7015-19'; 7078-81' **Frac Wasatch zones with 50M# 20/40 in 700 bbl. 20#** system

10-23-13 6704-06'; 6731-33'; 6738-40'; 6745-47'; 6764-66; 6812-14'; 17# (HYBRID) system **6862-64'; 6873-75' & 6888-90'**. **Frac Castle Peak/Uteland Butte** w/ 100M# 20/40 in 2385 bbls

10-23-13 6589-91'; ' 6597-99' & 6612-14' **Frac Castle Peak zones** with 30M# of sand and 500 bbl. 17# system

10-23-13 6329-31'; 6344-46'; 6358-60'; 6372-74'; 6435-37'; 6454-56';6464-66'; (HYBRID) **6492-94' & 6505-07'** **Frac.Black Shale/Castle Peak** with 100M# and 2170 bbl. (17#)

10-23-13 6161-63'; 6170-72'; 6188-90'; 6204-07' & 6246-48'. **Frac Douglas Creek zones** w/ 50M# sand in 1260 bbl.(17#) (HYBRID)

10-24-13 6040-50' **Frac Douglas Creek** zone w/ 106M# sand in 1265 bbl.—17#

10-24-13 5728-32'; 5762-64' & 5768-70'. **Frac Douglas Creek** zones w/ 40M# sand in 595 bbl. (17#)

10-24-13 5344-46'; 5382-84' & 5392-95'; **Frac Garden Gulch** zones w/ 60M# sand in 1380 bbl. 17# (HYBRID)

10-24-13 4922-24'; 4941-43'; 4956-58'; 4988-90'; 5033-35'; 5051-53'; **5079-81'; 5091-93' & 5146-50'**. **Frac Garden Gulch** zones w/ 115M# in 2200 bbl..(17#) (HYBRID)

PERFORATION RECORD

6954-7081'	3 JSPF	42 holes
6704-6890'	3 JSPF	54 holes
6589-6614'	3 JSPF	18 holes
6329-6507'	3 JSPF	54 holes
6161-6248'	3 JSPE	33 holes
6040-6050'	3 JSPE	30 holes
5728-5770'	3 JSPE	24 holes
5344-5395'	3 JSPE	21 holes
4922-5150'	3 JSPE	54 holes

FINLEY RESOURCES, INC.

Ute 13-13A-4-1
462' FSL & 462' FWL (SW/SW)
Section 13, T4S, R1E
Uintah Co. Utah
API # 43-047-52654; Lease # 14-20-H62-4896

Revised 1/21/13
JAS

Ute 13-14A-4-1

Spud Date: 10-10-13
Completion Date: 6/5/14
update

GL: 5109' KB: 5122'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 12 jts. (502')
DEPTH LANDED: 502'
HOLE SIZE: 12-1/4"
CEMENT DATA: 360 sxs Class "G" cmt

PRODUCTION CASING

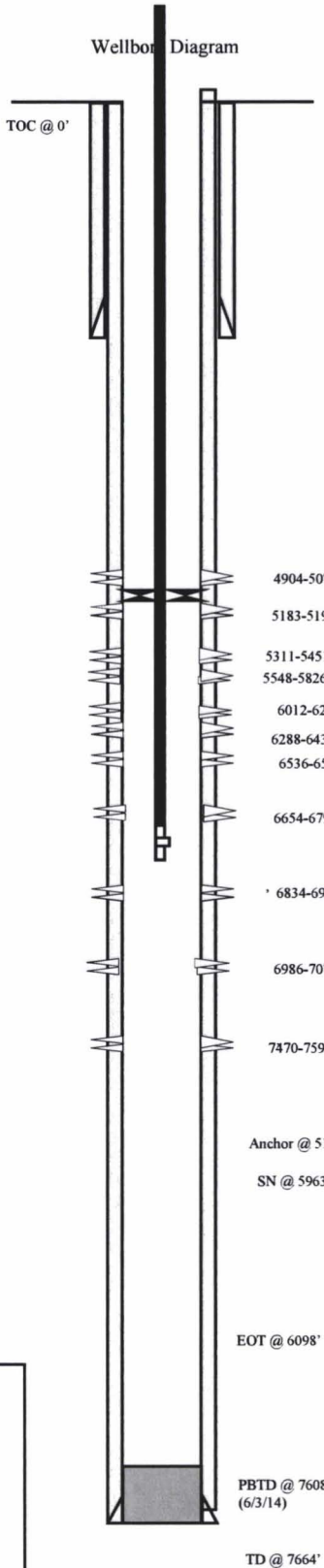
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 181 jts. (shoe set at 7654'); (FC @ 7609') KB Depths
HOLE SIZE: 7-7/8"
DEPTH LANDED: 7654'
TOTAL DEPTH: 7664'
CEMENT DATA: 400 sxs 10.5 ppg lead and 700 sxs 12.0 ppg tail
CEMENT TOP AT: 270' per CBL 10/22/13

TUBING (6/5/14) update

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 157 jts (5100.82')
TUBING ANCHOR: 5117.67'
NO. OF JOINTS: 26 jts (844.87')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED: 5963.64' KB
PERF.SUB: 4.26'
NO. OF JOINTS: 4 jts (129.98')
BULL PLUG: 2-7/8" (0.72')
TOTAL STRING LENGTH: EOT @ 6098.60' KB'

SUCKER RODS (6/5/14)

POLISHED ROD: 1-1/2" x 26'
SUCKER RODS: 2', 4',8 x 7/8" pony rod, 87 x 7/8" slick rods,
125 x 3/4 slick rods; 10-3/4" guided rods; 12 x 1-1/2" weight bars; 13-4'x1" weight bars
PUMP SIZE: 2-½ x 1-1/2' x 16' with 21' dip tube
STROKE LENGTH: 148"
PUMP SPEED, SPM:
PUMPING UNIT:



FRAC JOB

10-28-13 7470-74' & 7588-92'. **Frac Wasatch zones with 36,500# 20/40 in 980 bbl. 20# system**

10-28-13 6986-90' & 7066-70'. **Frac Wasatch zones with** w/ 165M# 20/40 in 1730 bbls 20# system

5/28/14 6834-36'; 6847-49'; 6854-56'; 6861-63' 6868-70'; 6876-78'; 6886-88'; 6901-03' & 6936-38'. **Frac Uteland Butte with 69M# of 20/40 in 1690 bbl. 20# Hybrid (Halliburton)**

5/28/14 6654-56'; 6661-63'; 6683-85'; 6691-93'; 6714-16'; 6729-31'; 6749-51'; 6756-58'; 6764-66' & 6794-96'. **Frac Castle Peak/Uteland Butte with 101M# 20/40 in 2300 bbl. 17# HYBRID**

5/28/14: 6536-40' & 6572-76'. **Frac Castle Peak with 65M# 20/40 in 690 bbl. 17#**

5/28/14: 6288-90'; 6298-6300'; 6313-15'; 6328-30'; 6352-54'; 6367-69'; 6395-97'; 6401-03'; 6417-19' & 6436-38'. **Frac Black Shale/Castle Peak with 104M# 20/40 in 1900 bbl. 17# HYBRID**

5/29/14: 6012-14'; 6115-17'; 6176-78'; 6226-30' & 6234-38'. **Frac Douglas Creek with 71M# 20/40 in 770 bbl.17#**

5/29/14: 5548-50' & 5822-26'. **Frac Garden Gulch/Douglas Creek with 40M# 20/40 in 495 bbl..17#.**

5/29/14: 5311-13'; 5376-79' & 5449-51'. **Frac Garden Gulch with 40M# 20/40 in 505 bbl. 17#**

5/29/14: 5183-86' & 5192-96'. **Frac Garden Gulch w/ 40M# in 515 bbl.17# x-link**

5/29/14: 4904-06'; 4923-25'; 4972-74'; 4976-78'; 5032-36'; 5060-62' & 5072-74'. **Frac Mahogany Bench/Garden Gulch with 84M# 20/40 in 1035 bbl..17# x-link**

PERFORATION RECORD

7470-7592'	3 JSPF	24 holes
6986-7070'	3 JSPF	24 holes
6834-6938'	3 JSPF	54 holes
6654-6796'	3 JSPF	60 holes
6536-6576'	3 JSPF	24 holes
6288-6438'	3 JSPF	60 holes
6012-6238'	3 JSPF	36 holes
5548-5826'	3 JSPF	18 holes
5311-5451'	3 JSPF	30 holes
5183-5196'	3 JSPF	21 holes
4904-5074'	3 JSPF	48 holes

FINLEY RESOURCES, INC.

Ute 13-14A-4-1
462' FSL & 2310' FWL (SE/SW)
Section 13, T4S, R1E
Uintah Co. Utah
API # 43-047-52655; Lease # 14-20-H62-4896

6/6/14 revised
JAS

Ute 13-15A-4-1

Spud Date: 10-24-13
Completion Date: 11-25-13

GL: 5078' KB: 5091'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 12 jts. (502')

DEPTH LANDED: 502'

HOLE SIZE: 12-1/4"

CEMENT DATA: 360 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 180 jts. (shoe set at 7618'); (FC @ 7576') KB Depths

HOLE SIZE: 7-7/8"

TOTAL DEPTH: 7650'

CEMENT DATA: 400 sxs 10.5 ppg lead and 700 sxs 12.0 ppg tail

CEMENT TOP AT: ' per CBL /13

TUBING (11-25-2013)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 157 jts (5101.02')

TUBING ANCHOR: 5117.88'

NO. OF JOINTS: 24 jts (778.71')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED: 5897.69' KB

PERF SUB: 4.16'

NO. OF JOINTS: 4 jts (129.90')

BULL PLUG: 2-7/8" (0.73')

TOTAL STRING LENGTH: EOT @ 6032.48' KB'

SUCKER RODS (11/23/13)

POLISHED ROD: 1-1/2" x 26'

SUCKER RODS: 58 x 7/8" slick rods, 124 x ¾" slick rods; 10-3/4" guided rods; 10 x 1-½" weight bars; 11-4'x1" weight bars

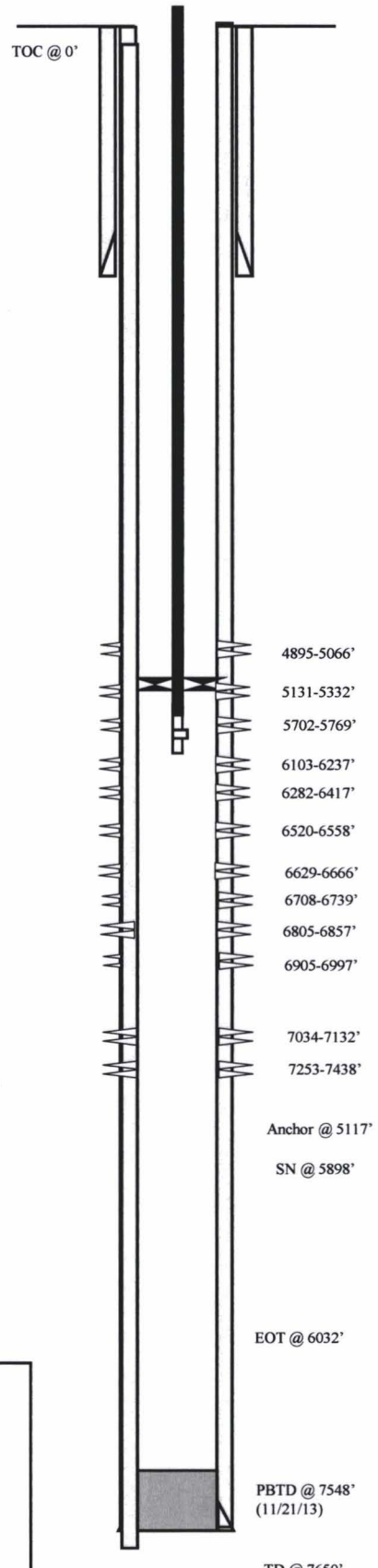
PUMP SIZE: 2-½ x 1-3/4' x 16'

STROKE LENGTH: "

PUMP SPEED, SPM:

PUMPING UNIT:

Wellbore Diagram



FRAC JOB

11-15-13 7253'-57'; 7300-02' & 7434-38'. **Frac Wasatch zones with 34,500# 20/40 in 630 bbl. 20#**

11-15-13 7034-40'; 7078-82' & 7126-32'. **Frac Wasatch zones with** w/ 100M# 20/40 in 1300 bbls 20#

11-15-13 6905-07'; 6933-35'; 6956-60' & 6994-97'. **Frac Wasatch zones with** with 40M# of sand and 665 bbl. 20#

11-15-13 6805-07'; 6818-20'; **6825-27'**; **6832-34'; 6839-41'; 6847-49'& 6855-57'.** **Frac Uteland Butte zones** with 52M# and 1325 bbl. (17#) (HYBRID)

11-16-13 6708-12'; 6727-30'& 6736-39'; **Frac Castle Peak zones (HYBRID)** w/ 57M# sand in 1780 bbl.(17#)

11-16-13 6629-35' & 6662-66'. **Frac Castle Peak** zone (HYBRID) 80M# sand in 955 bbl.—17#

11-16-13 6520-25'; 6554-58'. **Frac Castle Peak** zones w/ 61M# sand in 800 bbl. (17#)

11-16-13 6282-86'; 6314-16'; 6340-42'; **6368-70'; 6387-89'; 6395-97'**; **6406-09' & 6414-17'** **Frac Black Shale/Castle Peak w/** 100M# sand in 2300 bbl. 17# (HYBRID)

11-16-13 6103-05'; 6115-17'; 6168-70'; 6178-82'; 6198-6202' & 6235-37'; **Frac Black Shale** zones w/ 80M# in 1900 bbl..(17#) (HYBRID)

11-16-13 5702-05'; 5740-42' & 5765-69'. **Frac Douglas Creek zones w/** 60M# in 700 bbl. (17#).

11-17-13 5131-33'; 5218-20'; 5291-93'; 5314-16'; 5322-24' & 5330-32'. **Frac Garden Gulch zones w/** 50,500# in 1200 bbl.(HYBRID) 17#

11-17-13 4895-97'; 4915-17'; 4943-45'; 5011-15'; 5025-28' & 5064-66'. **Frac Mahogany Bench/Garden** Gulch zones w/ 58M# in 1395 Bbl..(HYBRID) 17#

PERFORATION RECORD

7253-7438'	4 JSPF	40 holes
7034-7132'	4 JSPF	54 holes
6905-6997'	3 JSPF	33 holes
6805-6857'	3 JSPF	42 holes
6708-6739'	3 JSPE	30 holes
6629-6666'	3 JSPE	30 holes
6520-6558'	3 JSPE	27 holes
6282-6417'	3 JSPE	60 holes
6103-6237'	3 JSPE	48 holes
5702-5769	3 JSPE	27 holes
5131-5332'	3 JSPE	36 holes
4895-5066'	3 JSPE	45 holes

FINLEY RESOURCES, INC.

Ute 13-15A-4-1
643' FSL & 1648' FEL (SW/SE)
Section 13, T4S, R1E
Uintah Co. Utah
API # 43-047-52656; Lease # 14-20-H62-4896

JAS 1/20/14

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H624896

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Water Disposal Well

8. WELL NAME and NUMBER: Ute 13-1 SWD

2. NAME OF OPERATOR: FINLEY RESOURCES INC

9. API NUMBER: 43047542560000

3. ADDRESS OF OPERATOR: PO Box 2200 , Fort Worth, TX, 76113

PHONE NUMBER: 817 231-8735 Ext

9. FIELD and POOL or WILDCAT: WINDY RIDGE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1075 FSL 1289 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 13 Township: 04.0S Range: 01.0E Meridian: U

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/20/2015	✓ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	✓ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Finley Resources plans to acidize existing perfs(3238'-3280';3450'-3566') w/ 500 gal. of 15% HCL acid. Treating pressure will not exceed the max allowed injection pressure for well. Also plan on perforating through tubing new perfs of 3362'-65', 3371'-75', 3383'-87'; 3395'-3402'; 3410'-3414'; 3417'-3420'. These perforations are in the same formation(Bird's Nest) as existing perforations. As the acid job and new perforating will be done through tubing, the packer will not need to be released in order to do work.

Approved by the Utah Division of Oil, Gas and Mining
December 17, 2015
Date:
By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
James Terry	435 299-9129	Field Operations Engineer
SIGNATURE N/A		**DATE** 11/11/2015

RECEIVED: Nov. 11, 2015

770 S. 5600 W.
WEST VALLEY CITY, UTAH 84118
FED.TAX I.D.# 87-0217663
801-204-6910

The Salt Lake Tribune MEDIAOne Deseret News

PROOF OF PUBLICATION CUSTOMER'S COPY

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL-GAS & MINING, Rose Nolton 1594 W NORTH TEMPLE STE 1210 SALT LAKE CITY UT 84116	9001402352	2/25/2015

43 047 54256
13 4S 1E

ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
TELEPHONE	ADORDER# / INVOICE N
8015385340	0001013839 /
SCHEDULE	
Start 02/25/2015	End 02/25/2015
CUST. REF. NO.	
UIC-431	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATU	
SIZE	
58 Lines	2.00 COLUMN
TIMES	RATE
3	
MISC. CHARGES	AD CHARGES
	TOTAL COS
	220.04

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-431

IN THE MATTER OF THE APPLICATION OF FINLEY RESOURCES, INC. FOR ADMINISTRATIVE APPROVAL OF A WELL LOCATED IN SECTION 13, TOWNSHIP 4 SOUTH, RANGE 1 EAST, USB&M, UINTAH COUNTY, UTAH, AS A CLASS II INJECTION WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Finley Resources, Inc., 1308 Lake Street, Fort Worth, Texas 76113, telephone 817-336-1924, for administrative approval of the following well located in Uintah County, Utah, for conversion to a Class II injection well:

Windy Ridge Field:
Ute 13-1 SWD well located in SW/4 SW/4, Section 13, Township 4 South, Range 1 East
API 43-047-54256

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Finley Resources, Inc.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 19th day of February, 2015

STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
1013839

UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-431 IN THE MATTER OF THE APPLICA** FOR **DIV OF OIL-GAS & MINING,** WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH. NOTICE IS ALSO POSTED ON UTAHLEGALS.COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS.COM INDEFINATELY. COMPLIES WITH UTAH DIGITAL SIGNATURE ACT UTAH CODE 46-2-101; 46-3-104.

PUBLISHED ON Start 02/25/2015 End 02/25/2015

SIGNATURE

DATE 2/25/2015

VIRGINIA CRAFT
NOTARY PUBLIC - STATE OF UTAH
My Comm. Exp. 01/12/2018
Commission # 672963

Virginia Craft
NOTARY SIGNATURE

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Cynthia Kleinfelter, on oath, say that I am the Legals Manager of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 3 day of March, 2015, and that the last publication of such notice was in the issue of such newspaper dated the 3 day of March, 2015, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Cynthia Kleinfelter
LEGALS MANAGER

Subscribed and sworn to before me on this
4 day of March, 2015
by Cynthia Kleinfelter.

Bonnie Parrish
Notary Public

Notary Public
BONNIE PARRISH
Commission #653427
My Commission Expires
February 23, 2016
State of Utah

BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-431

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Dated this 19th day of February, 2015

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

/s/
Brad Hill
Permitting Manager

Published in the Uintah Basin Standard March 3, 2015.

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

5.LEASE DESIGNATION AND SERIAL NUMBER: 1420H624896

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Water Disposal Well

8. WELL NAME and NUMBER: Ute 13-1 SWD

2. NAME OF OPERATOR: FINLEY RESOURCES INC

9. API NUMBER: 43047542560000

3. ADDRESS OF OPERATOR: PO Box 2200 , Fort Worth, TX, 76113

PHONE NUMBER: 817 231-8735 Ext

9. FIELD and POOL or WILDCAT: WINDY RIDGE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1075 FSL 1289 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 13 Township: 04.0S Range: 01.0E Meridian: U

COUNTY: UINTAH

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 12/22/2015	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Step Rate Test

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

Based on the test rates and pressures recorded from the second step rate test, Finley Resources Inc. respectfully requests an increase from 300# MAIP to 440# MAIP. All charts and a current wellbore schematic are attached.
**********APPROVAL FOR A 400# MAIP - SEE CONDITIONS (ATTACHED) DKD**********

Approved by the Utah Division of Oil, Gas and Mining
Date: January 20, 2016
By: Dark K Quist

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Josh Morgan	817 231-8756	Regulatory Analyst
SIGNATURE N/A		**DATE** 1/11/2016

RECEIVED: Jan. 11, 2016

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047542560000

It appears that after the formation broke, there was a stabilized extension pressure of approximately 440 psig. Consequently, DOGM is approving an increase in the MAIP from 300 psig to 400 psig which accounts for an approximate 10% safety factor.

RECEIVED: Jan. 20, 2016

STEP RATE TEST DATA

Well: Ute 13-1-4-1 SWD Date: 12/22/15 Operator Finley Resources

13PM

STEP #1 Test Rate (5% of maximum rate) _____ (bbl/min)

0.15

Time (min) :	0	5	10	15	20	25	30
Pressure (psi):	0	259	263	259	255	255	252

STEP #2 Test Rate (10% of maximum rate) _____ (bbl/min)

0.30

Time (min) :	0	5	10	15	20	25	30
Pressure (psi):	255	255	255	255	255	255	253

STEP #3 Test Rate (20% of maximum rate) _____ (bbl/min)

0.60

Time (min) :	0	5	10	15	20	25	30
Pressure (psi):	263	266	266	266	266	263	259

STEP #4 Test Rate (40% of maximum rate) _____ (bbl/min)

1.2

Time (min) :	0	5	10	15	20	25	30
Pressure (psi):	263	298	302	298	291	298	295

STEP #5 Test Rate (60% of maximum rate) _____ (bbl/min)

1.8

Time (min) :	0	5	10	15	20	25	30
Pressure (psi):	377	393	402	413	427	438	445

STEP #6 Test Rate (80% of maximum rate) _____ (bbl/min)

2.4

Time (min) :	0	5	10	15	20	25	30
Pressure (psi):	509	606	670	710	728	810	838

STEP #7 Test Rate (100% of maximum rate) _____ (bbl/min)

3.0

Time (min) :	0	5	10	15	20	25	30
Pressure (psi):	427	455	456	459	466	470	441

ISIP : Vacuum (psi)

Test Run / Witnessed By: Jim Smith Jim Smith Finley Resources

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H624896
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER Injection
8. WELL NAME and NUMBER: UTE 13-1 SWD
2. NAME OF OPERATOR: Finley Resources, Inc
9. API NUMBER: 4304754256
3. ADDRESS OF OPERATOR: 1308 Lake Street CITY Fort Worth STATE TX ZIP 76102
PHONE NUMBER: (817) 231-8735
10. FIELD AND POOL, OR WILDCAT: WINDY RIDGE
4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1075 FSL 1289 FWL
COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 13 4S 1E U
STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion: 12/22/2015	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Step Rate Test
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

See attached description and charts.

NAME (PLEASE PRINT) Josh Morgan
TITLE Regulatory Analyst
SIGNATURE
DATE 1/11/2016

(This space for State use only)

(5/2000)
(See Instructions on Reverse Side)

On 12/22/15, Finley Resources performed a second step rate test on the Ute 13-1 SWD after receiving permission from the state of Utah to do so. Weatherford Pumping Services was employed to do the step rate test. The test was done as follows, using 2% KCL for fluid and following state of Utah guidelines:

MIRU Weatherford pump truck

Establish inj rate .2 BPM for 30 minutes – final PIP 242#

Establish inj rate .3 BPM for 30 minutes – final PIP 255#

Establish inj rate .6 BPM for 30 minutes – final PIP 259#

Establish inj rate 1.2 BPM for 30 minutes – final PIP 295#

Establish inj rate 1.8 BPM for 30 minutes – final PIP 445#

Establish inj rate 2.4 BPM for 30 minutes – final PIP 838# formation apparently broke at 838#

Establish inj rate 3 BPM for 30 minutes – final PIP 441#

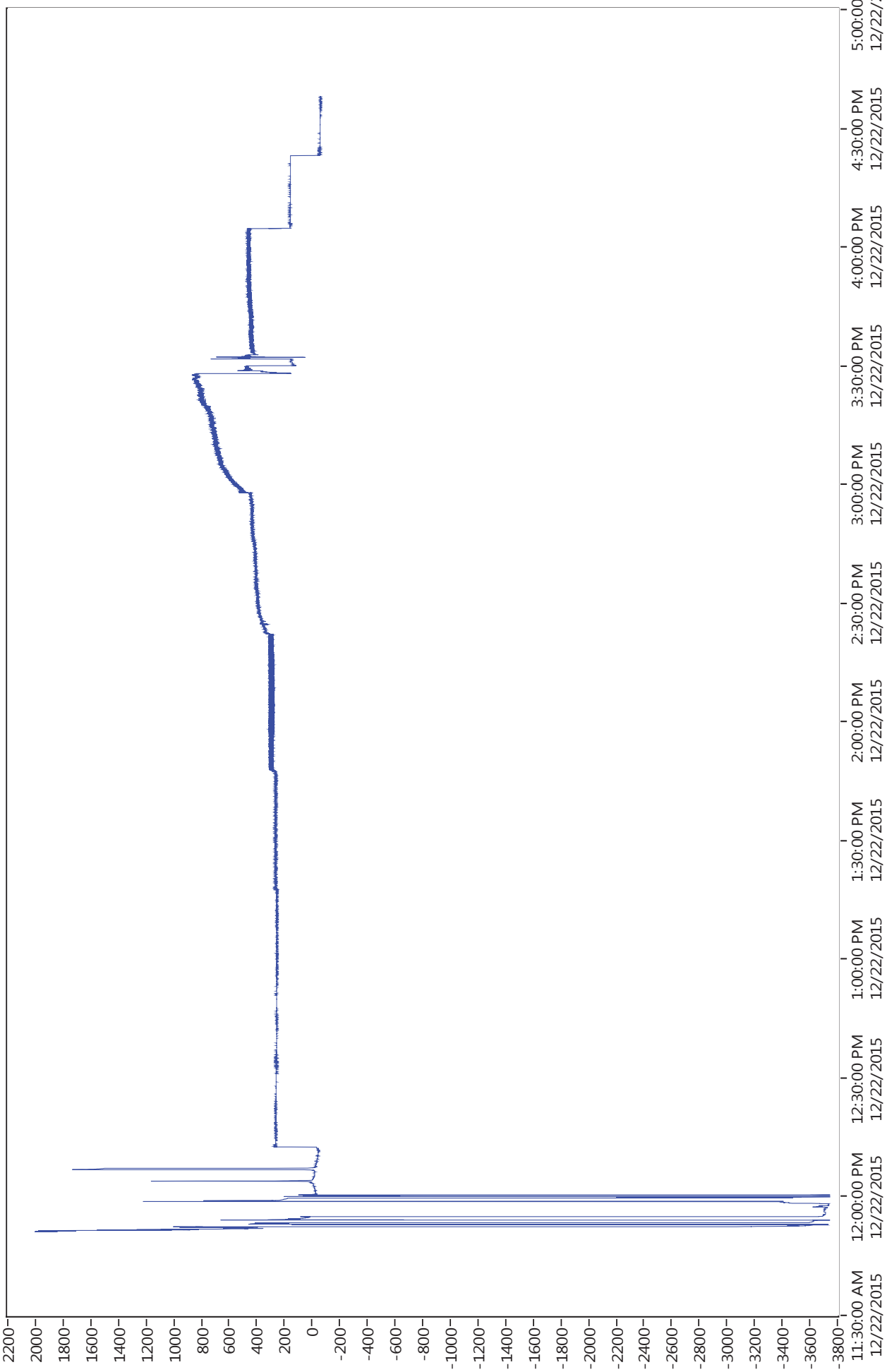
A total of 370 BF was pumped.

Based on the test rates and pressures, it appears that there is possible formation damage that caused the high breakdown pressure of 838#. This is indicated by the upward slope(increasing pressure) of the curve during the 2.4 BPM stage. The actual formation breakdown pressure is probably less than 838# and greater than the final 3 BPM pressure of 441#(pressure was steady during this stage, indicating that fluid was filling pore spaces and not breaking down formation). Based on this data, Finley Resources respectfully requests an increase from 300# MAIP to 440# MAIP. All charts and a current wellbore schematic are attached with this sundry. If you have any questions, please call Clay O'Neil at 817-713-9514.

RECEIVED: Jan. 11, 2016

Ute Tribal 13-1-4-1 Step Test Pressure

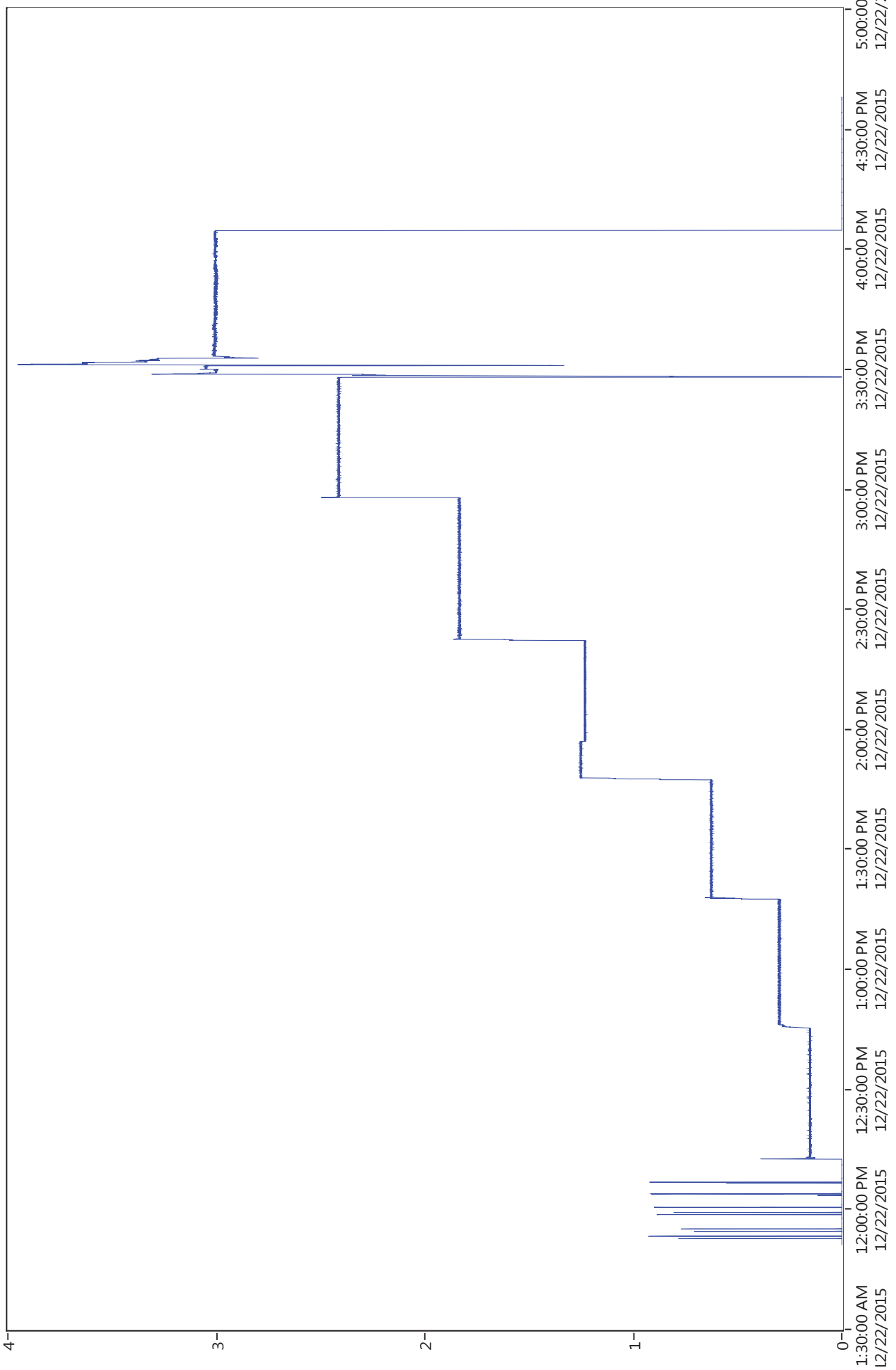
(All Times are EASTERN STANDARD)



RECEIVED: Jan. 11, 2016

Ute Tribal 13-1-4-1 Step Test Rate

(All Times are EASTERN STANDARD)



RECEIVED: Jan. 11, 2016

Ute 13-1-4-1 SWD

Spud Date: 12-21-14
Completion Date: 01-26-15

GL: 5103’ KB: 5116’

SURFACE CASING

CSG SIZE: 9-5/8”

GRADE: J-55

WEIGHT: 36#

LENGTH: 10 jts. (424’’)

DEPTH LANDED: 424‘

HOLE SIZE: 12-1/4”

CEMENT DATA: 260 sxs Class “G” cmt

PRODUCTION CASING

CSG SIZE: 7”

GRADE: J-55

WEIGHT: 23.0#

LENGTH: 90 jts.(3820’) (shoe set at 3818’); (FC @ 3774’) KB Depths

HOLE SIZE: 8-3/4”

TOTAL DEPTH: 3830’

CEMENT DATA: 100 sxs 10.0 ppg lead and 625 sxs 14.0 ppg tail

CEMENT TOP AT: 200’ per CBL 01/06/14

TUBING (01-23-2015)

SIZE/GRADE/WT.: 4-1/2” / J-55-N-80 12.75#

NO. OF JOINTS: 99 jts (3161.05’)

TUBING PACKER: SET AT 3177.47’ KB

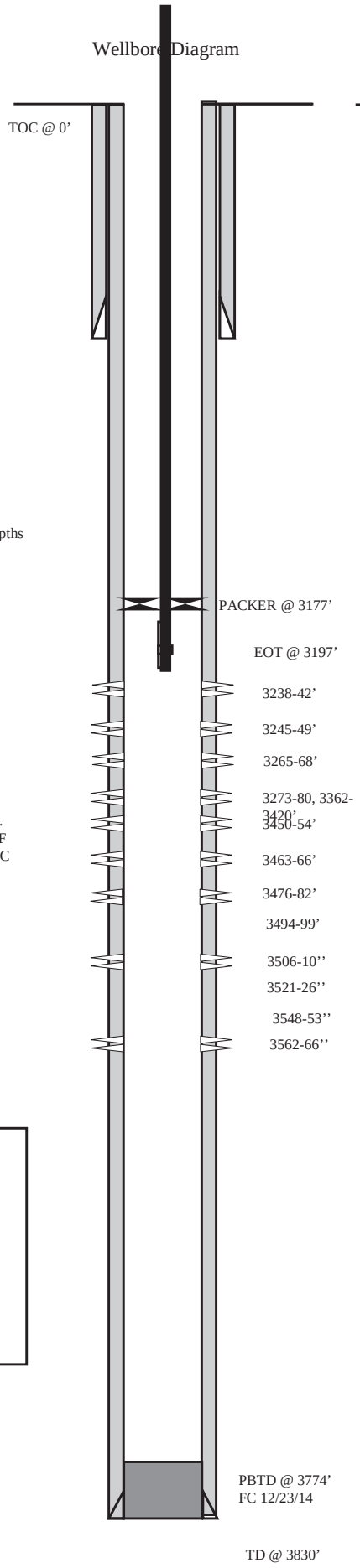
TUBING DETAIL: TOP TO BOTTOM: KB=(13.0’); HANGER (0.50’); 11 JTS.4-1/2” TBG.-N-80 (357.13’); 88 JTS.OF 4-1/2” TBG. J-55 (2803.92’); 4-1/2”X3-1/2” X-OVER (0.96’); 7”X3-1/2” ON-OFF TOOL WITH 2.81” PROFILE (1.96’); 7”X3-1/2” DHL HYDRAULIC PACKER (6.32’); 3-1/2” N-80 PUP JT.(6.30’); 2.81” XN NIPPLE (1.0’); 3-1/2 N-80 PUP JT.(6.30’); 3-1/2” PUMP OUT PLUG/RE-ENTRY GUIDE (.044’)

TOTAL STRING LENGTH: EOT @ 3197.83’ KB’

FINLEY RESOURCES, INC.

Ute 13-1-4-1
1075’ FSL & 1289’ FWL (SW/SW)
Section 13, T4S, R1E
Uintah Co. Utah
API # 43-047-54256; Lease # 14-20-H62-4896
UTM: 599184E & 4442928N
40*07’51.07” by 109850’08.85”

Wellbore Diagram



FRAC JOB---no stimulation of perfs at present

PERFORATION RECORD

3238-3242’	6 JSPF	24 holes
3245-3249’	6 JSPF	24 holes
3265-3268’	6 JSPF	18 holes
3273-3280’	6 JSPF	42 holes
3362-3365	6 JSPF	18 holes
3371-3375	6 JSPF	24 holes
3383-3387	6 JSPF	36 holes
3395-3403	6 JSPF	42 holes
3410-3414	6 JSPF	24 holes
3417-3420	6 JSPF	18 holes
3450-3454’	6 JSPF	24 holes
3463-3466’	6 JSPF	18 holes
3476-3482’	6 JSPF	36 holes
3494-3499’	6 JSPF	30 holes
3506-3510’	6 JSPF	24 holes
3521-3526’	6 JSPF	30 holes
3548-3553’	6 JSPF	30 holes
3562-3566’	6 JSPF	24 holes

JAS 1/26/15

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