

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER Foy Tribal 13-34D-55							
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT BRUNDAGE CANYON							
4. TYPE OF WELL Oil Well      Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME							
6. NAME OF OPERATOR LINN OPERATING, INC.						7. OPERATOR PHONE 435 722-1325							
8. ADDRESS OF OPERATOR Rt. 2 Box 7735, Roosevelt, UT, 84066						9. OPERATOR E-MAIL kwilson@linnenergy.com							
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 1420H624728			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>							
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Leo Foy						14. SURFACE OWNER PHONE (if box 12 = 'fee') 435-503-1988							
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') PO Box 996, Duchesne, UT 84021						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 <input checked="" type="checkbox"/> (Submit Commingling Application) NO <input type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>							
20. LOCATION OF WELL		FOOTAGES		QTR-QTR		SECTION		TOWNSHIP		RANGE		MERIDIAN	
LOCATION AT SURFACE		809 FSL 2171 FWL		SESW		34		5.0 S		5.0 W		U	
Top of Uppermost Producing Zone		724 FSL 1160 FWL		SWSW		34		5.0 S		5.0 W		U	
At Total Depth		730 FSL 812 FWL		SWSW		34		5.0 S		5.0 W		U	
21. COUNTY DUCHEсне			22. DISTANCE TO NEAREST LEASE LINE (Feet) 730			23. NUMBER OF ACRES IN DRILLING UNIT 640							
27. ELEVATION - GROUND LEVEL 6729			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completion) 2			26. PROPOSED DEPTH MD: 5981 TVD: 5737							
			28. BOND NUMBER NMB000501			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-12400							
<b>Hole, Casing, and Cement Information</b>													
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight			
Surf	12.25	8.625	0 - 330	24.0	J-55 ST&C	9.5	Class G	225	1.15	15.8			
Prod	7.875	5.5	0 - 5981	17.0	N-80 LT&C	9.5	Type V	200	3.82	11.0			
							Class G	280	1.7	13.1			
<b>ATTACHMENTS</b>													
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES													
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER						<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN							
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)						<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER							
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)						<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP							
NAME Krista Wilson				TITLE Regulatory Permitting Tech				PHONE 435 722-1325					
SIGNATURE				DATE 08/19/2014				EMAIL kwilson@linnenergy.com					
API NUMBER ASSIGNED 43013531190000						APPROVAL							

**Received: August 20, 2014**

LINN OPERATING, INC.  
 Foy Tribal 13-34D-55  
 Section 34, T5S, R5W, U.S.B.&M.  
 Surface: 809' FSL & 2171' FWL (SESW)  
 BHL: 730' FSL & 812' FWL (SWSW)  
 Duchesne County, Utah

ONSHORE ORDER NO. 1

DRILLING PROGRAM

**A,B Estimated Tops of Geological Markers and Formations Expected to Contain Water, Oil and Gas and Other Minerals**

FORMATION	DRILL DEPTH * @ SHL (TVD)	DRILL DEPTH* @ BHL (TVD)	Measured Depth
Uinta Fm	Surface	Surface	Surface
Green River	628'	597'	627'
Green River Fouch Marker	1187'	1158'	1189'
Mahogany	1795'	1762'	1815'
Tgr3	2808'	2774'	2908'
*Douglas Creek	3566'	3528'	3728'
Black Shale	4171'	4131'	4363'
*Castle Peak	4472'	4431'	4669'
Uteland Butte	4890'	4843'	5089'
*Wasatch	5082'	5037'	5281'
CR-4	5732'	5687'	5931'
TD	5782'	5737'	5981'
Base of Moderate Saline Water	3665'	3822'	

\*PROSPECTIVE PAY

Linn is locating the well at the proposed surface location and directionally drilling to the proposed bottom hole location. By drilling directionally, Linn Operating, Inc. will improve field development efficiency by potentially combining multiple surface hole locations together. This will significantly reduce total surface disturbance plus combine the use of access roads and existing pipelines.

Furthermore, Linn hereby certifies that it is the sole working interest owner with 460 feet of the entire directional well bore and the remainder of the section.

**C Pressure Control Equipment :** (Schematic Attached)

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. A 3M system will be utilized. The attached diagram depicts the use of an annular in conjunction with double rams. However, an annular, double rams or both may be used depending on the drilling rig contracted.

Chart recorders will be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a representative upon request.

Mud volumes will be monitored visually.  
Upper and Lower Kelly cocks will be utilized.  
A gas buster will be utilized, if necessary.

<u>Depth Intervals</u>	<u>BOP Equipment</u>
0 – 350'	No Pressure Control
350' – 5981'	11" 3000# Ram Type BOP 11" 3000# Annular BOP

**D,E Proposed Casing and Cementing Program**

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>Casing Size</u>	<u>Type</u>	<u>Connection</u>	<u>Weight</u>
Conductor will be run as needed with cement set the surface.						
Surface	350'	12.25"	3-5/8"	J-55	ST&C	24#
Production	5981'	7.875"	3-1/2"	NW-80, N-80 or LIDA-80	LT&C	17#

Surface Type & Amount

0' – 350' Approx. 225 SX Premium Class G, plus additives or a similar slurry with a minimum weight of 15.8 #/gal and approximate yield of 1.15 cuft/sx, minimum 24 hr compressive strength = 500 psi (Cement will be circulated to surface and topped off, if necessary.)

Production Type & Amount

0' – 3500' Lead: +/- 200 sx Premium Type V + additives or similar slurry with a minimum weight of 11.0 #/gal and approximate yield of 3.82 cuft/sx

3500' – 5981' Tail: +/- 280 sx Premium Class G + additives or similar slurry with a minimum weight of 13.1 #/gal and approximate yield of 1.70cuft/sk.

For production casing, actual cement volumes will be determined from the caliper log plus a minimum of 15% excess.

## F Drilling Fluids Program

Interval	Weight	Viscosity	Fluid Loss	Remarks
0' – 350'	8.4 – 9.5	27	NC	Mud or Air (see attached variance)
350-5981'	8.4 – 9.5	27	NC	DAP Water

## G Evaluation Program

Logging Program:	HRI-GR-SP with SDL-DSN-PE: surface casing to TD. Preserve samples from all show intervals.
Sampling:	10' dry cut samples: Douglas Creek to TD. Preserve samples From all show intervals.
Surveys:	As deemed necessary
Mud Logger:	As deemed necessary
Drill Stem Tests:	As deemed necessary
Cores:	As deemed necessary

## H Anticipated Abnormal Pressures or Temperatures

No abnormal temperatures or pressures or other hazards are anticipated.

Shallow gas and/or water flows are possible below surface casing.

Maximum anticipated bottom hole pressure equals approximately 2954 psi\* and maximum anticipated surface pressure equals approximately 1639 \*\*psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

\*Max Mud Wt x 0.052 x TD = A (bottom hole pressure)

\*\*Maximum surface pressure = A – (0.22xTD)

## I Anticipated Starting Dates and Notification of Operations

Drilling Activity:

Anticipated Commencement Date:	Upon approval of the APD.
Drilling Days:	Approximately 10 days.
Completion Days:	Approximately 7 days.

**Linn Operating, Inc.**  
**Request for Variance to Air Drill, Onshore Order 2, III, E.**

Linn Operating, Inc. requests variances shown below to Onshore Order 2 III . Section E Special Drilling Operations as they apply to our air drilling of surface holes in the Uintah Formation.

Linn Operating, Inc. requests permission to use a diverter bowl in place of a rotating head. The diverter bowl safely forces the air and cutting returns to the surface blooie line and then diverted away from the rig. Gas is very rarely encountered in small amounts in the Uintah formation. The diverter bowl is sufficient to divert such flows safely away from the rig.

Linn Operating, Inc. requests permission to use a blooie line that discharges less than 100' from the wellbore. The location footprint, size and configuration does not allow for a 100' line to the flare or blooie pit for surface hole drilling. The lengths will be 30-60' depending on the location. Gas is very rarely encountered in small amounts in the Uintah formation, and the shorter blooie line lengths are capable of handling such flows.

Linn Operating, Inc. requests permission to operate without an automatic igniter or continuous pilot light on the blooie line. Gas is very rarely encountered in small amounts in the Uintah Formation. If encountered, the drilling rig will have the ability to safely ignite the flare as needed.

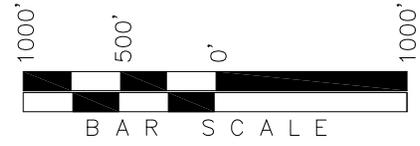
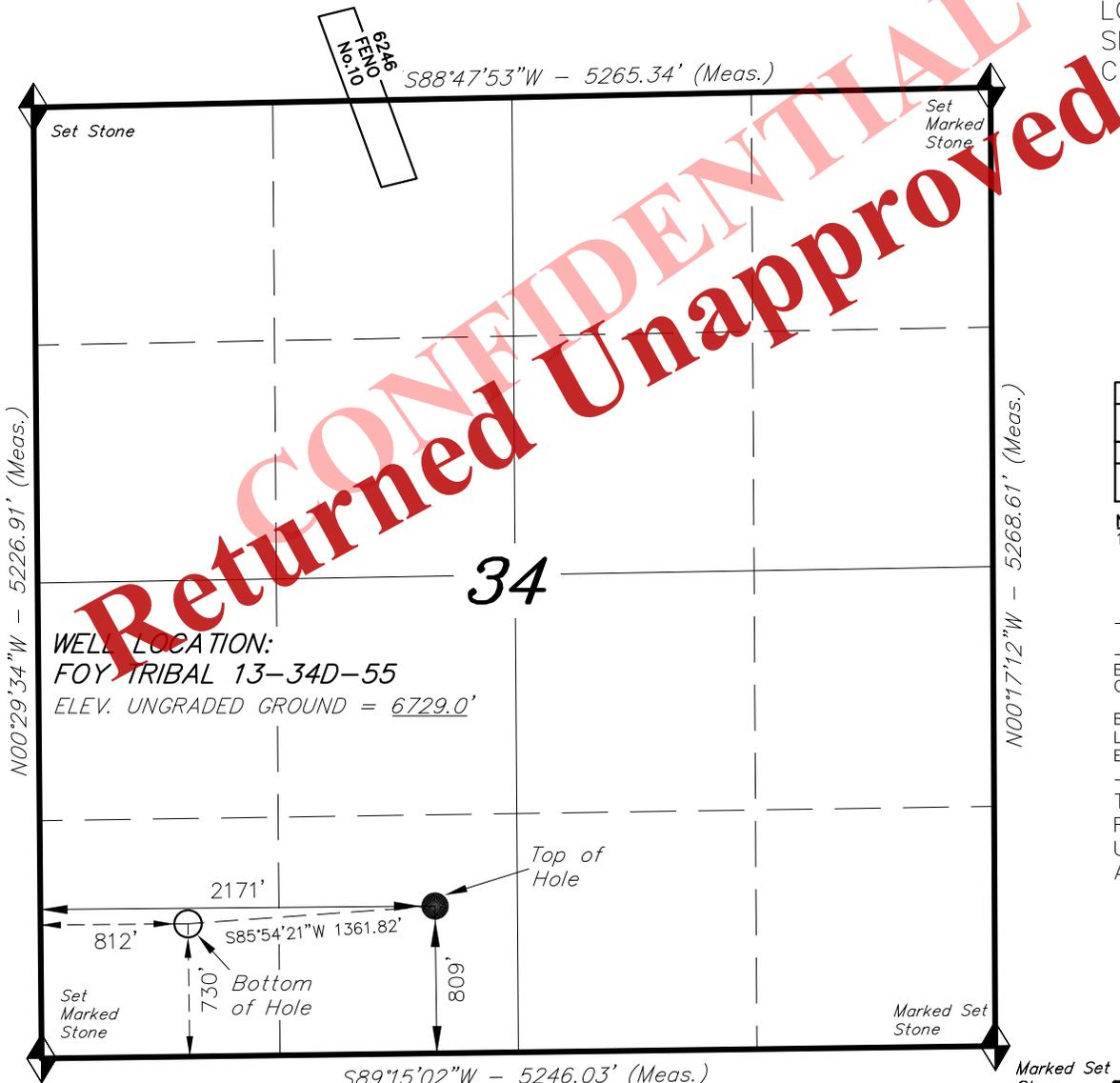
Linn Operating, Inc. requests permission to use a trailer mounted air compressor located less than 100 feet from the well bore. The location footprint, size and/or configuration of the surface hole drilling amounts in the Uintah Formation. If encountered, the following configuration will allow safe operations. The compressor itself it is located a minimum distance of 30' from the wellbore and is in an opposite direction from the blooie line. The compressor has the following safety features; (1) shut off valve on the trailer that is physically located no more than 20' from the air rig. (2) pressure relief valve on the air compressor discharge cylinder/piping. (3) Spark arrestors on the motors.

Linn Operating, Inc. requests permission to not be required for the staging of mud circulating equipment, water and mud materials sufficient to maintain the capacity of the hole and circulating tank or pits on the air drilling location. Gas is very rarely encountered in small amounts in the Uintah Formation. Berry will have a water truck on location available to fill the hole as needed should gas be encountered.

T5S, R5W, U.S.B.&M.

LINN Operating, Inc.

WELL LOCATION, FOY TRIBAL 13-34D-55,  
 LOCATED AS SHOWN IN THE SE 1/4 SW 1/4 OF  
 SECTION 34, T5S, R5W, U.S.B.&M. DUCHESNE  
 COUNTY, UTAH.



◆ = SECTION CORNERS LOCATED

NAD 83 (SURFACE LOCATION)		NAD 83 (BOTTOM HOLE LOCATION)	
LAT: = 39°59'53.64"	(39.998233)	LAT: = 39°59'52.84"	(39.998011)
LONG: = 110°26'07.68"	(110.435466)	LONG: = 110°26'25.14"	(110.440317)
NAD 27 (SURFACE LOCATION)		NAD 27 (BOTTOM HOLE LOCATION)	
LAT: = 39°59'53.78"	(39.998271)	LAT: = 39°59'52.98"	(39.998049)
LONG: = 110°26'05.12"	(110.434757)	LONG: = 110°26'22.59"	(110.439607)

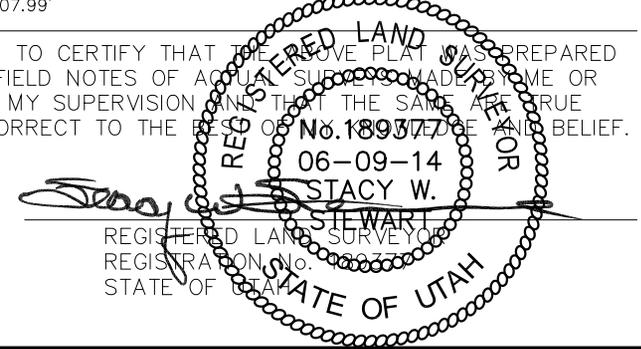
**NOTES:**  
 1. WELL FOOTAGES ARE MEASURED AT RIGHT ANGLES TO THE SECTION LINES.

**BASIS OF BEARINGS & BASIS OF ELEVATION**

BASIS OF BEARINGS; BEARINGS ARE BASED ON GLOBAL POSITIONING SATELLITE OBSERVATIONS.

BASIS OF ELEV; ELEVATIONS ARE BASED ON AN N.G.S. OPUS CORRECTION. LOCATION: LAT. 39°58'55.06", LONG. 110°22'05.00" (TRISTATE ALUMINUM CAP) ELEV. 7307.99'

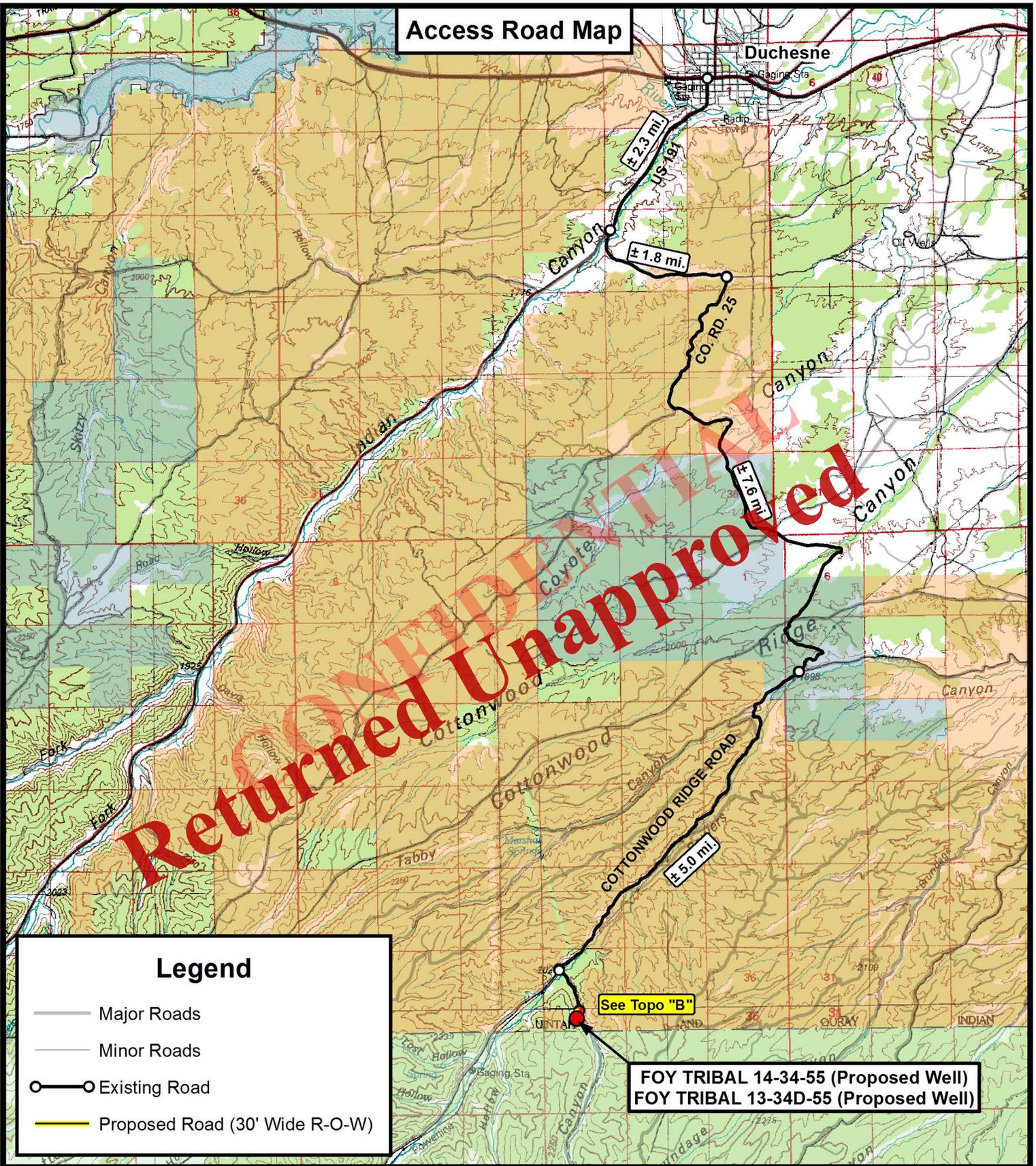
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF A QUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



<b>Tri State Land Surveying, Inc.</b> 180 NORTH VERNAL AVE. VERNAL, UTAH 84078		(435) 781-2501
DATE SURVEYED: 02-14-14	SURVEYED BY: M.C.	
DATE DRAWN: 02-18-14	DRAWN BY: L.C.S.	
REVISED: 06-09-14 D.COX	SCALE:	1" = 1000'

**Received: August 19, 2014**

# Access Road Map



## Legend

- Major Roads
- Minor Roads
- Existing Road
- Proposed Road (30' Wide R-O-W)

**FOY TRIBAL 14-34-55 (Proposed Well)**  
**FOY TRIBAL 13-34D-55 (Proposed Well)**

**Tri State**  
**Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
 F: (435) 781-2518



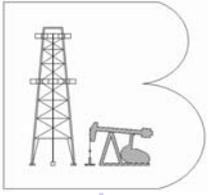
**LINN Operating, Inc.**  
 FOY TRIBAL 14-34-55 (Proposed Well)  
 FOY TRIBAL 13-34D-55 (Proposed Well)  
 SEC. 34, T5S, R5W, U.S.B.&M.  
 Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED:	06-11-2014 J.A.S.
DATE:	02-27-2014		
SCALE:	1:100,000		

**TOPOGRAPHIC MAP**

SHEET  
**A**

**Received: August 19, 2014**



## **Linn Operating inc.**

Duchesne Co., UT (UT27C)

Sec.34-T5S-R5W

Foy Tribal 13-34D-55

Wellbore #1

Plan: Design #1

## **Standard Planning Report**

01 July, 2014

**CONFIDENTIAL**  
**Returned Unapproved**

# **Archer**



Linn Operating inc.  
 Project: Duchesne Co., UT (UT27C)  
 Site: Sec.34-T5S-R5W  
 Well: Foy Tribal 13-34D-55  
 Wellbore #1  
 Design: Design #1  
 Latitude: 39° 59' 53.775 N  
 Longitude: 110° 26' 5.125 W  
 Ground Level: 6729.00  
 WELL @ 6749.00usft (Original Well Elev)

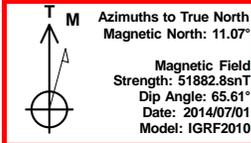
# Archer

WELL DETAILS: Foy Tribal 13-34D-55

+N/-S	+E/-W	Northing	Ground Level: Easting	6729.00 2298421.012	Latitude	Longitude	Slot
0.00	0.00	608192.536			39° 59' 53.775 N	110° 26' 5.125 W	

WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Foy Tribal 13-34D-55 tgt	5737.00	-80.82	-1358.73	39° 59' 52.976 N	110° 26' 22.585 W	Circle (Radius: 100.00)



SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
450.00	0.00	0.00	450.00	0.00	0.00	0.00	0.00	0.00	Start Build 1.50
2078.89	24.43	266.60	2029.97	-20.31	-341.48	1.50	266.60	342.08	Start 1636.64 hold at 2078.89 MD
3715.53	24.43	266.60	3520.03	-60.51	-1017.25	0.00	0.00	1019.05	Start Drop -1.50
5344.42	0.00	0.00	5100.00	-80.82	-1358.73	1.50	180.00	1361.13	Start 637.00 hold at 5344.42 MD
5981.42	0.00	0.00	5737.00	-80.82	-1358.73	0.00	0.00	1361.13	TD at 5981.42

PROJECT DETAILS: Duchesne Co., UT (UT27C)

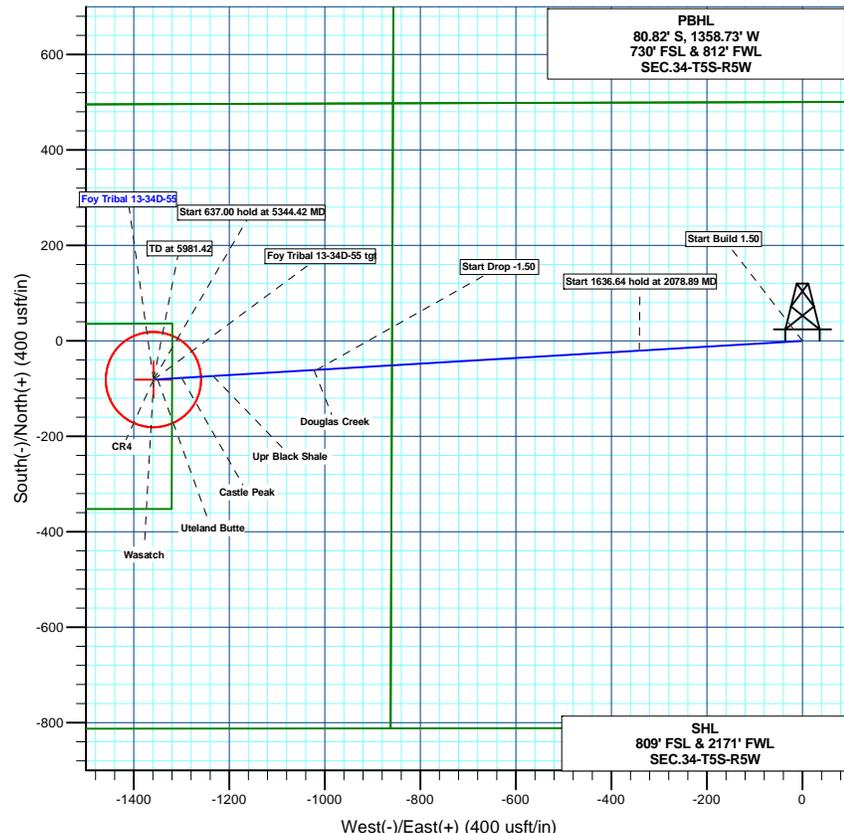
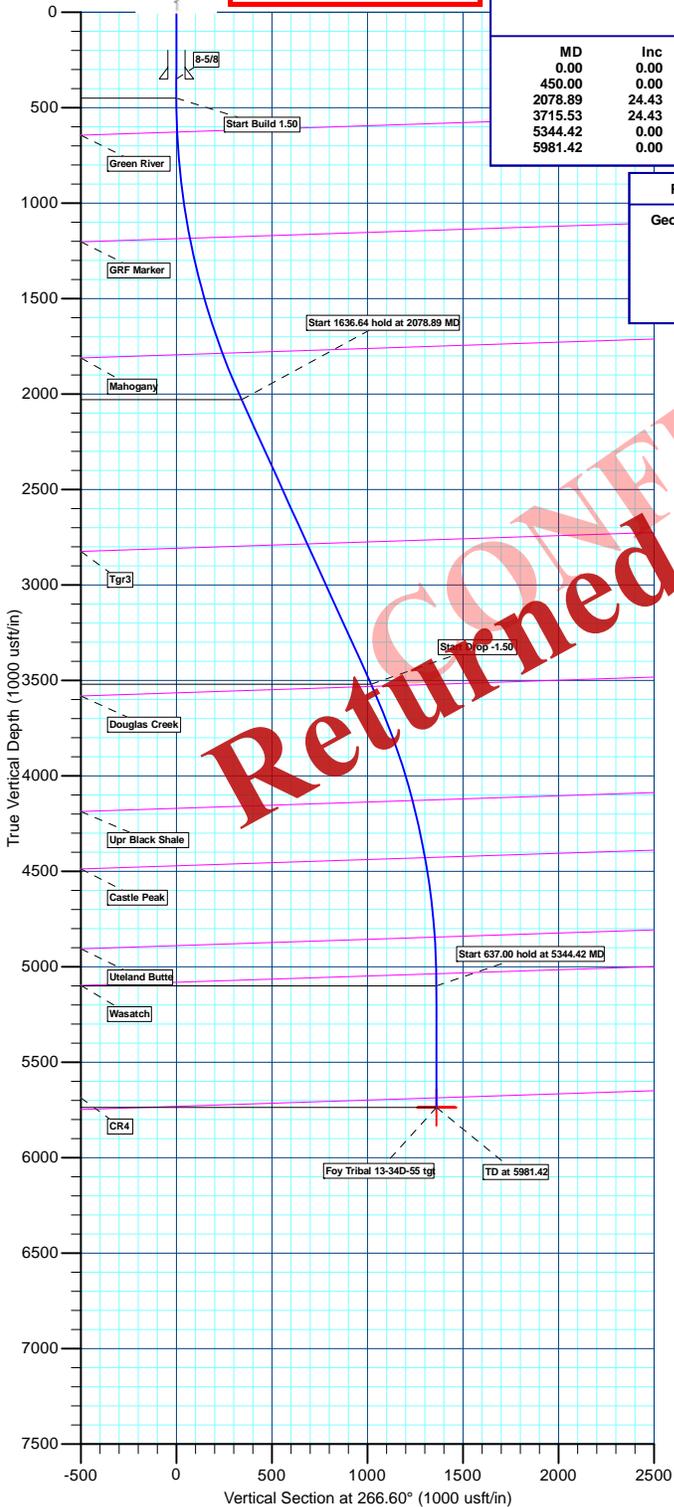
Geodetic System: US State Plane 1927 (Exact solution)  
 Datum: NAD 1927 (NADCON CONUS)  
 Ellipsoid: Clarke 1866  
 Zone: Utah Central 4302  
 System Datum: Mean Sea Level

REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well Foy Tribal 13-34D-55, True North  
 Vertical (T/D) Reference: WELL @ 6749.00usft (Original Well Elev)  
 Section (S) Reference: Slot - (0.00N, 0.00E)  
 Measured Depth Reference: WELL @ 6749.00usft (Original Well Elev)  
 Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
627.86	627.93	Green River
1184.65	1189.25	GRF Marker
1787.03	1815.95	Mahogany
2785.39	2908.62	Tgr3
3532.19	3728.87	Douglas Creek
4130.21	4363.90	Upr Black Shale
4429.04	4669.96	Castle Peak
4845.36	5089.59	Uteland Butte
5037.10	5281.52	Wasatch
5687.08	5931.50	CR4



Plan: Design #1 (Foy Tribal 13-34D-55/Wellbore #1)

Created By: Ricky Osburn Date: 15:31 July 01 2014  
 Received: August 19, 2014



<b>Database:</b>	EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Foy Tribal 13-34D-55
<b>Company:</b>	Linn Operating inc.	<b>TVD Reference:</b>	WELL @ 6749.00usft (Original Well Elev)
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>MD Reference:</b>	WELL @ 6749.00usft (Original Well Elev)
<b>Site:</b>	Sec.34-T5S-R5W	<b>North Reference:</b>	True
<b>Well:</b>	Foy Tribal 13-34D-55	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

<b>Project</b>	Duchesne Co., UT (UT27C)		
<b>Map System:</b>	US State Plane 1927 (Exact solution)	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	NAD 1927 (NADCON CONUS)		
<b>Map Zone:</b>	Utah Central 4302		

<b>Site</b>	Sec.34-T5S-R5W				
<b>Site Position:</b>		<b>Northing:</b>	610,506.454 usft	<b>Latitude:</b>	40° 0' 16.726 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,297,722.227 usft	<b>Longitude:</b>	110° 26' 13.751 W
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16"	<b>Grid Convergence:</b>	0.68 °

<b>Well</b>	Foy Tribal 13-34D-55					
<b>Well Position</b>	<b>+N/-S</b>	-2,322.06 usft	<b>Northing:</b>	608,192,536 usft	<b>Latitude:</b>	39° 59' 53.775 N
	<b>+E/-W</b>	671.24 usft	<b>Easting:</b>	2,298,421.012 usft	<b>Longitude:</b>	110° 26' 5.125 W
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>	usft	<b>Ground Level:</b>	6,729.00 usft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	2014/07/01	11.07	65.61	51,883

<b>Design</b>	Design #1			
<b>Audit Notes:</b>				
<b>Version:</b>	Present	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	266.60

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	TFO (°)	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
450.00	0.00	0.00	450.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,078.89	24.43	266.60	2,029.97	-20.31	-341.48	1.50	1.50	0.00	266.60	
3,715.53	24.43	266.60	3,520.03	-60.51	-1,017.25	0.00	0.00	0.00	0.00	
5,344.42	0.00	0.00	5,100.00	-80.82	-1,358.73	1.50	-1.50	0.00	180.00	
5,981.42	0.00	0.00	5,737.00	-80.82	-1,358.73	0.00	0.00	0.00	0.00	Foy Tribal 13-34D-55



<b>Database:</b>	EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Foy Tribal 13-34D-55
<b>Company:</b>	Linn Operating inc.	<b>TVD Reference:</b>	WELL @ 6749.00usft (Original Well Elev)
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>MD Reference:</b>	WELL @ 6749.00usft (Original Well Elev)
<b>Site:</b>	Sec.34-T5S-R5W	<b>North Reference:</b>	True
<b>Well:</b>	Foy Tribal 13-34D-55	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>8-5/8</b>										
350.00	0.00	0.00	350.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Start Build 1.50</b>										
450.00	0.00	0.00	450.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.75	266.60	500.00	-0.02	-0.33	0.33	1.50	1.50	0.00	0.00
600.00	2.25	266.60	599.96	-0.17	-2.94	2.94	1.50	1.50	0.00	0.00
<b>Green River</b>										
627.93	2.67	266.60	627.86	-0.25	-4.14	4.14	1.50	1.50	0.00	0.00
700.00	3.75	266.60	699.82	-0.49	-8.16	8.16	1.50	1.50	0.00	0.00
800.00	5.25	266.60	799.51	-0.95	-16.00	16.00	1.50	1.50	0.00	0.00
900.00	6.75	266.60	898.96	-1.57	-28.43	28.43	1.50	1.50	0.00	0.00
1,000.00	8.25	266.60	998.10	-2.35	-49.05	49.05	1.50	1.50	0.00	0.00
1,100.00	9.75	266.60	1,096.87	-3.28	-80.07	80.07	1.50	1.50	0.00	0.00
<b>GRF Marker</b>										
1,189.25	11.09	266.60	1,184.65	-4.23	-71.19	71.19	1.50	1.50	0.00	0.00
1,200.00	11.25	266.60	1,195.89	-4.36	-73.27	73.39	1.50	1.50	0.00	0.00
1,300.00	12.75	266.60	1,293.81	-5.59	-94.02	94.19	1.50	1.50	0.00	0.00
1,400.00	14.25	266.60	1,390.24	-6.98	-117.32	117.53	1.50	1.50	0.00	0.00
1,500.00	15.75	266.60	1,485.83	-8.51	-143.16	143.41	1.50	1.50	0.00	0.00
1,600.00	17.25	266.60	1,582.71	-10.20	-171.51	171.81	1.50	1.50	0.00	0.00
1,700.00	18.75	266.60	1,677.81	-12.04	-202.35	202.71	1.50	1.50	0.00	0.00
1,800.00	20.25	266.60	1,772.07	-14.02	-235.68	236.09	1.50	1.50	0.00	0.00
<b>Mahogany</b>										
1,815.35	20.49	266.60	1,787.03	-14.35	-241.22	241.64	1.50	1.50	0.00	0.00
1,900.00	21.75	266.60	1,865.43	-16.15	-271.45	271.93	1.50	1.50	0.00	0.00
2,000.00	23.25	266.60	1,957.81	-18.42	-309.65	310.19	1.50	1.50	0.00	0.00
<b>Start 1636.64 hold at 2078.89 MD</b>										
2,078.89	24.43	266.60	2,029.97	-20.31	-341.48	342.08	1.50	1.50	0.00	0.00
2,100.00	24.43	266.60	2,049.19	-20.83	-350.20	350.81	0.00	0.00	0.00	0.00
2,200.00	24.43	266.60	2,140.23	-23.29	-391.49	392.18	0.00	0.00	0.00	0.00
2,300.00	24.43	266.60	2,231.28	-25.74	-432.78	433.54	0.00	0.00	0.00	0.00
2,400.00	24.43	266.60	2,322.32	-28.20	-474.07	474.90	0.00	0.00	0.00	0.00
2,500.00	24.43	266.60	2,413.36	-30.65	-515.36	516.27	0.00	0.00	0.00	0.00
2,600.00	24.43	266.60	2,504.41	-33.11	-556.65	557.63	0.00	0.00	0.00	0.00
2,700.00	24.43	266.60	2,595.45	-35.56	-597.94	598.99	0.00	0.00	0.00	0.00
2,800.00	24.43	266.60	2,686.50	-38.02	-639.23	640.36	0.00	0.00	0.00	0.00
2,900.00	24.43	266.60	2,777.54	-40.48	-680.52	681.72	0.00	0.00	0.00	0.00
<b>Tgr3</b>										
2,908.62	24.43	266.60	2,785.39	-40.69	-684.08	685.29	0.00	0.00	0.00	0.00
3,000.00	24.43	266.60	2,868.59	-42.93	-721.81	723.09	0.00	0.00	0.00	0.00
3,100.00	24.43	266.60	2,959.63	-45.39	-763.10	764.45	0.00	0.00	0.00	0.00
3,200.00	24.43	266.60	3,050.67	-47.84	-804.39	805.81	0.00	0.00	0.00	0.00
3,300.00	24.43	266.60	3,141.72	-50.30	-845.68	847.18	0.00	0.00	0.00	0.00
3,400.00	24.43	266.60	3,232.76	-52.76	-886.97	888.54	0.00	0.00	0.00	0.00
3,500.00	24.43	266.60	3,323.81	-55.21	-928.26	929.90	0.00	0.00	0.00	0.00
3,600.00	24.43	266.60	3,414.85	-57.67	-969.55	971.27	0.00	0.00	0.00	0.00
3,700.00	24.43	266.60	3,505.90	-60.12	-1,010.84	1,012.63	0.00	0.00	0.00	0.00
<b>Start Drop -1.50</b>										



<b>Database:</b>	EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Foy Tribal 13-34D-55
<b>Company:</b>	Linn Operating inc.	<b>TVD Reference:</b>	WELL @ 6749.00usft (Original Well Elev)
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>MD Reference:</b>	WELL @ 6749.00usft (Original Well Elev)
<b>Site:</b>	Sec.34-T5S-R5W	<b>North Reference:</b>	True
<b>Well:</b>	Foy Tribal 13-34D-55	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Planned Survey										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
3,715.53	24.43	266.60	3,520.03	-60.51	-1,017.25	1,019.05	0.00	0.00	0.00	
<b>Douglas Creek</b>										
3,728.87	24.23	266.60	3,532.19	-60.83	-1,022.74	1,024.55	1.50	-1.50	0.00	
3,800.00	23.17	266.60	3,597.32	-62.53	-1,051.28	1,053.14	1.50	-1.50	0.00	
3,900.00	21.67	266.60	3,689.76	-64.79	-1,089.35	1,091.27	1.50	-1.50	0.00	
4,000.00	20.17	266.60	3,783.17	-66.91	-1,124.98	1,126.97	1.50	-1.50	0.00	
4,100.00	18.67	266.60	3,877.48	-68.89	-1,158.17	1,160.21	1.50	-1.50	0.00	
4,200.00	17.17	266.60	3,972.63	-70.71	-1,188.87	1,190.97	1.50	-1.50	0.00	
4,300.00	15.67	266.60	4,068.55	-72.39	-1,217.08	1,219.24	1.50	-1.50	0.00	
<b>Upr Black Shale</b>										
4,363.90	14.71	266.60	4,130.21	-73.39	-1,233.79	1,235.97	1.50	-1.50	0.00	
4,400.00	14.17	266.60	4,165.18	-73.92	-1,242.78	1,244.98	1.50	-1.50	0.00	
4,500.00	12.67	266.60	4,262.44	-75.30	-1,265.94	1,268.18	1.50	-1.50	0.00	
4,600.00	11.17	266.60	4,360.29	-76.52	-1,286.55	1,288.82	1.50	-1.50	0.00	
<b>Castle Peak</b>										
4,669.96	10.12	266.60	4,429.04	-77.29	-1,298.45	1,301.74	1.50	-1.50	0.00	
4,700.00	9.67	266.60	4,458.63	-77.60	-1,304.60	1,306.90	1.50	-1.50	0.00	
4,800.00	8.17	266.60	4,557.42	-78.52	-1,320.97	1,322.40	1.50	-1.50	0.00	
4,900.00	6.67	266.60	4,656.58	-79.28	-1,332.95	1,335.31	1.50	-1.50	0.00	
5,000.00	5.17	266.60	4,756.05	-79.90	-1,343.24	1,345.62	1.50	-1.50	0.00	
<b>Uteland Butte</b>										
5,089.59	3.82	266.60	4,855.85	-80.31	-1,350.25	1,352.64	1.50	-1.50	0.00	
5,100.00	3.67	266.60	4,855.75	-80.35	-1,350.93	1,353.32	1.50	-1.50	0.00	
5,200.00	2.17	266.60	4,955.62	-80.65	-1,356.01	1,358.40	1.50	-1.50	0.00	
<b>Wasatch</b>										
5,281.52	0.94	266.60	5,037.10	-80.79	-1,358.22	1,360.62	1.50	-1.50	0.00	
5,300.00	0.67	266.60	5,055.58	-80.80	-1,358.48	1,360.88	1.50	-1.50	0.00	
<b>Start 637.00 hold at 5344.42 MD</b>										
5,344.42	0.00	0.00	5,100.00	-80.82	-1,358.73	1,361.13	1.50	-1.50	0.00	
5,400.00	0.00	0.00	5,155.58	-80.82	-1,358.73	1,361.13	0.00	0.00	0.00	
5,500.00	0.00	0.00	5,255.58	-80.82	-1,358.73	1,361.13	0.00	0.00	0.00	
5,600.00	0.00	0.00	5,355.58	-80.82	-1,358.73	1,361.13	0.00	0.00	0.00	
5,700.00	0.00	0.00	5,455.58	-80.82	-1,358.73	1,361.13	0.00	0.00	0.00	
5,800.00	0.00	0.00	5,555.58	-80.82	-1,358.73	1,361.13	0.00	0.00	0.00	
5,900.00	0.00	0.00	5,655.58	-80.82	-1,358.73	1,361.13	0.00	0.00	0.00	
<b>CR4</b>										
5,931.50	0.00	0.00	5,687.08	-80.82	-1,358.73	1,361.13	0.00	0.00	0.00	
<b>TD at 5981.42</b>										
5,981.42	0.00	0.00	5,737.00	-80.82	-1,358.73	1,361.13	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
Foy Tribal 13-34D-55 tgt	0.00	0.00	5,737.00	-80.82	-1,358.73	608,095.543	2,297,063.337	39° 59' 52.976 N	110° 26' 22.585 W	
- hit/miss target										
- Shape										
- plan hits target center										
- Circle (radius 100.00)										



<b>Database:</b>	EDMDBBW	<b>Local Co-ordinate Reference:</b>	Well Foy Tribal 13-34D-55
<b>Company:</b>	Linn Operating inc.	<b>TVD Reference:</b>	WELL @ 6749.00usft (Original Well Elev)
<b>Project:</b>	Duchesne Co., UT (UT27C)	<b>MD Reference:</b>	WELL @ 6749.00usft (Original Well Elev)
<b>Site:</b>	Sec.34-T5S-R5W	<b>North Reference:</b>	True
<b>Well:</b>	Foy Tribal 13-34D-55	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Design #1		

Casing Points				
Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
350.00	350.00	8-5/8	8-5/8	12-1/4

Formations					
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
627.93	628.00	Green River		-1.89	266.60
1,189.25	1,187.00	GRF Marker		-1.89	266.60
1,815.95	1,795.00	Mahogany		-1.89	266.60
2,908.62	2,808.00	Tgr3		-1.89	266.60
3,728.87	3,566.00	Douglas Creek		-1.89	266.60
4,363.90	4,171.00	Upr Black Shale		-1.89	266.60
4,669.96	4,472.00	Castle Peak		-1.89	266.60
5,089.59	4,890.00	Uteland Butte		-1.89	266.60
5,281.52	5,082.00	Wasatch		-1.89	266.60
5,931.50	5,732.00	CR4		-1.89	266.60

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates (N/S, E/W)	+E/-W (usft)	Comment
450.00	450.00	0.00	0.00	Start Build 1.50
2,078.89	2,079.97	-20.31	-341.48	Start 1636.64 hold at 2078.89 MD
3,715.53	3,520.03	-60.51	-1,017.25	Start Drop -1.50
5,344.42	5,100.00	-80.82	-1,358.73	Start 637.00 hold at 5344.42 MD
5,981.42	5,737.00	-80.82	-1,358.73	TD at 5981.42

## AFFIDAVIT OF SURFACE DAMAGE AGREEMENT

SHAWN HAWK, the Affiant herein, is a Field Landman for Linn Operating, Inc., a Delaware corporation, with an office located at 4000 S 4028 W, Rt 2 Box 7735, Roosevelt, Utah 84066, being of lawful age and duly sworn upon his oath and being duly authorized to make this affidavit on behalf of said corporation hereby deposes and states to the best of his knowledge as follows:

That Linn Operating, Inc. has a Surface Damage Agreement signed by the current surface owner covering the following described property, hereinafter referred to as the Land:

**TOWNSHIP 5 SOUTH, RANGE 5 WEST, USB&M**  
Section 34: SESW

Affiant further states said Surface Damage Agreement GRANTS, SELLS, and CONVEYS unto Linn Operating, Inc. an easement for ingress and egress to, along with a right to use, that portion of the herein described property as may be necessary to construct, use, and maintain a well site or well sites (including location of additional wells on each well site in the case of directional or horizontal drilling) for the drilling, completion and operation of an oil and gas well or wells (including but not limited to pumping facilities and tank batteries) over, under and through the herein described Land.

Affiant further states said Surface Damage Agreement GRANTS, SELLS, and CONVEYS unto Linn Operating, Inc. the right to construct, entrench, maintain, operate, replace, remove, protect, or abandon a pipeline or pipelines for water or gas with appurtenances thereto, including, but not limited to, valves, metering equipment, and cathodic equipment; to construct, maintain, relocate, or abandon a road (said well sites, pipelines, appurtenance, valves, metering equipment, cathodic equipment and road being sometimes collectively call the "facilities") over, under, and through the herein described Land.

Executed and effective as of this 17th day of July, 2014.

Linn Operating, Inc.

By: 

Shawn Hawk  
Field Landman

## SURFACE USE PLAN of OPERATIONS

### *Attachment for Permit to Drill:*

**Name of Operator:** Linn Operating, Inc.  
**Address:** 4000 South 4028 West/Rt. 2 Box 7735  
Roosevelt, Utah 80466  
**Well Location:** Foy Tribal 13-34D-55  
*Surface:* 809' FSL & 2171' FWL  
*Target:* 730' FSL & 812' FWL  
SESW of Sec. 34, T5S, R5W.

The surface owner or surface owner representative and dirt contractor will be provided with an approved copy of the surface use plan of operations and approved conditions of approval before initiating construction.

The onsite inspection for the referenced well will be conducted per UDOGM.

#### **A Existing Roads**

To reach the Linn Operating, Inc. well, Foy Tribal 13-34D-55, in Section 34-T5S-R5W:

The proposed well site is approximately 17 miles southwest of Duchesne, Utah.

Proceed in a southerly direction from Duchesne, Utah, along US Highway 191 for approximately 2.3 miles to the junction of this road and the existing Sowers Canyon access road to the south. Turn left and proceed in a southerly thence easterly direction for approximately 1.8 miles to the junction of this road and County Road 25 to the southwest. Turn right and proceed in a southwesterly thence southeasterly thence southwesterly direction for approximately 7.6 miles to the junction of this road and Sowers Canyon road to the southwest. Turn right and proceed in a southwesterly direction for approximately 5.0 miles to the junction of this road and Wire Fence Canyon Road to the southwest. Turn left and proceed in a southwesterly direction for approximately 0.6 miles to the beginning of the proposed access. Follow the road along in a southerly direction for approximately 446' to the proposed Foy Tribal 13-34D-55 and 14-34-55.

Linn Operating, Inc. will improve or maintain existing roads in a condition the same or better than before operations began. Best Management Practices will be considered when improving or maintaining existing roads. In general this would involve the need for some surface material or fill to prevent or repair holes in the road due to heavy truck traffic during the drilling and completion operations. If repairs are made the operator will secure the appropriate material from private sources.

#### **B New or Reconstructed Access Roads**

See Topographic Map "A & B" for the location of the proposed access road. Linn Operating, Inc. will construct a new access road across private surface for approximately 446 feet to access the Foy Tribal 13-34D-55 and 14-34-55.

#### **C Location of Existing Wells**

See Topographic Map "D" for the location of existing wells within a 1 mile radius.

**D Location of Tank Batteries, Production Facilities and Production Gathering and Service Lines**

A containment dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks). This dike will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank. The site specific APD will address additional capacity if such is needed due to environmental concerns. The use of topsoil for the construction of dikes will not be allowed. If a Spill Prevention, Control, and Countermeasure (SPCC) Plan is required by the Environmental Protection Agency, the containment dike may be expanded with the Authorized Agency Officer's approval to meet SPCC requirements.

The proposed pipeline will tie in at an existing pipeline. Map "C" illustrating the proposed route is attached. The proposed pipeline will be 4"-6" polypipe and be placed above ground. The pipeline will run in the same corridor as the above proposed access road.

All site security guidelines identified in Federal regulation 43 CFR 3126.7, will be adhered to. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease production will have prior written approval from the Authorized Agency Officer.

Gas meter runs will be located approximately 100 feet from the wellhead. Where necessary, the gas line will be anchored down from the wellhead to the meter.

**E Location and Type of Water Supply**

Water for the drilling and completion will be pumped or trucked from one of the following Linn source wells:

- Water Permit # 43-12400, Sec. 23, T5S, R5W
- Water Permit # 43-12400, Sec. 24, T5S, R5W
- Water Permit # 43-1231, Sec. 30, T3S, R8W
- Water Permit # 43-1261, Sec. 30, T3S, R8W
- Water Permit # 43-1627, Sec. 30, T3S, R8W
- Water Permit # 43-1628, Sec. 12, T5S, R6W (Douglas E. & Yordis Nielsen )
- Duchesne City Culinary Water Dock located in Sec. 1, T4S, R5W
- East Duchesne Water, Arcadia Feedlot, Sec. 28, T3S, R3W
- Petroglyph Operating Company 08-04 Waterplant, Sec. 8, T5S, R3W.

**F Source of Construction Materials**

All construction materials for this location site and access road shall be borrow material accumulated during the construction of the location site and access road.

Additional gravel or pit lining material will be obtained from a private source.

The use of materials under Authorized Agency jurisdiction will conform to 43 CFR 3610.2-3.

**G Methods of Handling Waste Materials**

Drill fluids will be contained in a closed loop system. Cuttings will be contained on site and buried in a pit or used on location and/or access roads, whichever is deemed appropriate by the authorized agency.

After first production, produced wastewater from Linn Operating, Inc. wells will be used for injection in our enhanced oil recovery project(s) in the Brundage Canyon Field or they will be trucked to one of the following approved waste water disposal sites:

- R.N. Industries, Inc. Sec. 4, T2S, R2W, Bluebell
- MC & MC Disposal Sec. 12, T6S, R19E, Vernal
- LaPoint Recycle & Storage Sec. 12, T5S, R19E, LaPoint
- Water Disposal Inc. Sec. 32, T1S, R1W, Roosevelt
- ITL 4461 W 3000 So Roosevelt Location Pleasant Valley
- IWM PO Box 430 Altamont or 20250 W 2000 S Duchesne Location – Blue Bench
- Pro Water 12223 Highland Ave Ste B503 Rancho Cucamonga CA 91739 Location – Blue Bench

Should operations of the field be prohibited by the Authorized Officer, the wastewater shall be confined to the approved pit or storage tank for a period not to exceed 90 days. The use of such pit is hereby approved as part of this Application for Permit to Drill.

Production fluids will be contained in leak-proof tanks. All production fluids will be disposed of at approved disposal sites. Produced water, oil, and other byproducts will not be applied to roads or well pads for control of dust or weeds. The indiscriminate dumping of produced fluids on roads, well sites, or other areas will not be allowed.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical portable toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. Trash will not be burned on location.

All debris and other waste materials not contained in the trash cage will be cleaned up and removed from the location promptly after removal of the completion rig (weather permitting).

Any open pits will be fenced during the operations. The fencing will be maintained with best efforts until such time as the pits are backfilled.

No chemical, subject to reporting under SARA Title III (hazardous materials) in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of wells. Furthermore, extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will not be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of wells within these areas.

#### **H Ancillary Facilities**

There are no ancillary facilities planned for at this time and none are foreseen in the future.

#### **I Well site Layout**

The attached Location Layout diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpile(s)

#### **J Plans for Restoration of the Surface**

##### **Interim**

The dirt contractor will be provided with approved copies of the Surface Use Plan prior to construction activities.

Upon well completion, within a reasonable time, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions may include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the re-establishment of vegetation as specified.

All disturbed areas will be re-contoured to the approximate natural contours.

Any drainage rerouted during the construction activities shall be restored to its original line of flow or as near as possible.

All areas of disturbance (including surface pipelines) must have appropriate surface use agreements or approvals in place with the proper owner and/or agency before such action is started.

The conditions of approval, as set forth by those owners and/or agencies, shall be adhered to.

Interim Reclamation consisting of minimizing the footprint of disturbance shall be accomplished by reclaiming all portions of the well site not needed for safe production operations. The portions of the well site not needed for operational and safety purposes will be recontoured to a final appearance that blends with the surrounding topography. Topsoil will be spread over these areas. The operator will spread the topsoil over the entire location except where an all-weather surface, access route or turnaround is needed. Production facilities should be clustered or placed offsite to maximize the opportunity for interim reclamation. Any incidental use on interim reclamation may require restoration of damage. This may require recontouring and seeding of the damaged area.

Paint all production facilities and equipment, not otherwise regulated (OSHA, etc.), a uniform, non-contrasting, non-reflective color tone, matched to the land and not the sky, slightly darker than the adjacent landscape.

Install Hospital muffler to the Pump-jack to minimize engine noise.

**Final**

Prior to the construction of the location, the top 12 inches of soil material (if present) will be stripped and stockpiled. Placement of the topsoil is noted on the location plat attached. Topsoil shall be stockpiled separately from subsoil materials. Topsoil salvaged from the reserve pit shall be stockpiled separately near the reserve pit.

When restoration activities have been completed, the location site and new access road cuts and shoulders shall be reseeded. Prior to reseeding, all disturbed areas, including the old access road will be scarified and left with a rough surface.

The Authorized Agency Officer shall be contacted for the required seed mixture. Seed will be broadcast and the amount of seed mixture per acre will be doubled. The seeded area will then be "walked" with a dozer to assure coverage of the seeds. The seed mixture will reflect the recommendation from the Archeology study done.

At final abandonment, all casing shall be cut off at the base of the cellar or 3 feet below final restored ground level, whichever is deeper, and cap the casing with a metal plate a minimum of 0.25 inches thick. The cap will be welded in place and the well location and identity will be permanently inscribed on the cap. The cap also will be constructed with a weep hole.

**K Well Surface & Access Ownership:**

John Foy  
PO Box 374  
Altamont, UT  
84001

Leo B. Foy  
PO Box 996  
Duchesne, UT 84021

Sharon F. Floyd  
1680 W 3000 S  
Heber City, UT 84032

**L Other information**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

Linn will control noxious weeds along access road use authorizations, pipeline route authorizations, well sites or other applicable facilities. A list of noxious weeds may be obtained from the Authorized Agency or the appropriate County Extension Office.

Drilling rigs and/or equipment used during drilling operations on this location will not be stacked or stored on administered lands after the conclusion of drilling operations or at any other time without authorization by the Authorized Agency Officer. If authorization is obtained, such storage is only a temporary measure.

Travel is restricted to approved routes only.

Outlaw Engineering Inc. has conducted a Class I archaeological survey. A copy of this report has been submitted under separate cover by Outlaw Engineering Inc. to the appropriate agencies.

All personnel will refrain from collecting artifacts and from disturbing any significant cultural resources in the area. The operator is responsible for informing all persons in the area who are associated with this project that they may be subject to prosecution for knowingly disturbing historic or archaeological sites or for collecting artifacts. All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in the archaeological report, and to the existing roadways and/or evaluated access routes. If historic or archaeological materials are uncovered during construction, Linn Operating, Inc. is to immediately stop work that might further disturb such materials and contact the Authorized Agency Officer.

Within five working days, the Authorized Agency Officer will inform the operator as to:

- Whether the materials appear eligible for the National Historic Register of Historic Places;
- The mitigation measures Linn will likely have to undertake before the site can be used (assuming in-situ preservation is not necessary); and a time frame for the Authorized Officer to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the Authorized Officer are correct and that the mitigation measures are appropriate.

If Linn wishes, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the Authorized Agency Officer and/or the surface owner will assume responsibility for whatever recordation and stabilization of the exposed materials may be required. Otherwise the operator will be responsible for mitigation costs. The Authorized Agency Officer and/or the surface owner will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the Authorized Agency Officer that required mitigation has been completed, Linn will then be allowed to resume construction.

All Surface Use Conditions of Approval associated with the Landowner Surface Use Agreement and Environmental Analysis Mitigation Stipulations will be adhered to.

All well site locations will have appropriate signs indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (footages or the quarter/quarter section, the section, township, and range).

**M. Air Emissions**

Table 4-1. Proposed Action Annual Emissions  
(tons/year)<sup>1</sup>

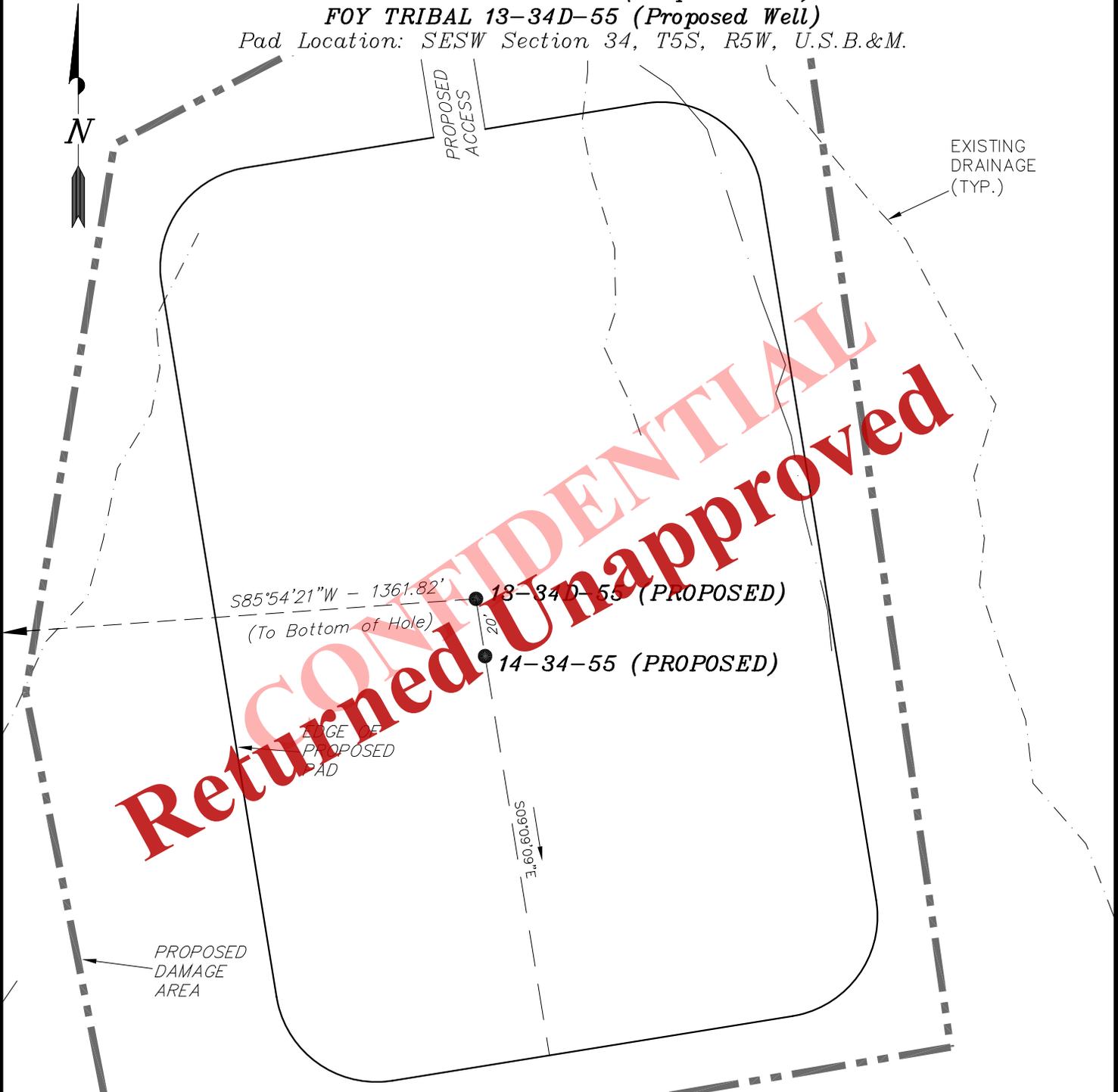
Pollutant	Development	Production	Total
NO <sub>x</sub>	3.8	5.4	9.2
CO	2.6	5	7.6
VOC	1	39.8	40.4
SO <sub>2</sub>	0.006	0.28	0.286
PM <sub>10</sub>	1.8	0.52	2.32
PM <sub>2.5</sub>	0.6	0.52	1.12
Benzene	0.02	0.2	0.22
Toluene	0.008	0.404	0.412
Ethylbenzene	0.002	0.388	0.39
Xylene	0.006	0.654	0.66
n-Hexane	0	2.14	2.14
Formaldehyde	0.06	0.326	0.386

<sup>1</sup> Emissions include 2 producing wells and associated operations traffic during the year in which the project is developed.

# LINN Operating, Inc.

WELL PAD INTERFERENCE PLAT  
 FOY TRIBAL 14-34-55 (Proposed Well)  
 FOY TRIBAL 13-34D-55 (Proposed Well)

Pad Location: SESW Section 34, T5S, R5W, U.S.B.&M.



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WELL	SURFACE HOLE	BOTTOM HOLE	LATITUDE	LONGITUDE	NORTH	EAST
14-34-55	790' FSL 2,174' FWL	NA	39.998217°	110.434746°	NA	NA
13-34D-55	809' FSL 2,171' FWL	730' FSL 812' FWL	39.998271°	110.434757°	-97'	-1,358'

SURVEYED BY:	M.C.	DATE SURVEYED:	02-17-14
DRAWN BY:	L.C.S.	DATE DRAWN:	02-18-14
SCALE:	1" = 50'	REVISED:	06-09-14 D.COX

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

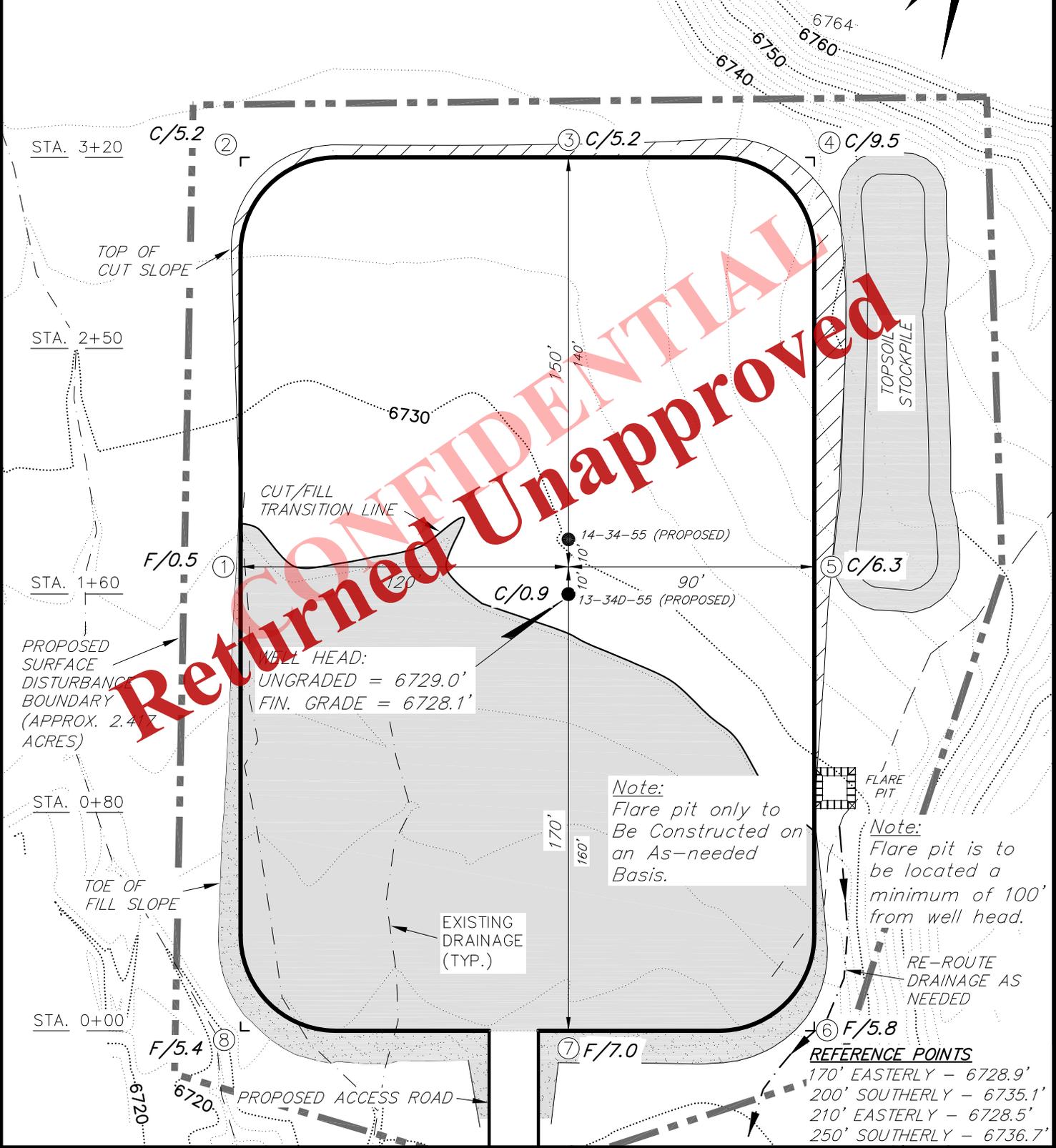
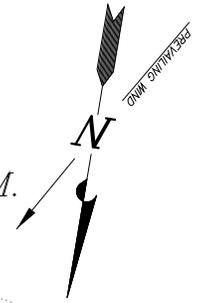
# LINN Operating, Inc.

## LOCATION LAYOUT

FOY TRIBAL 13-34D-55 (Proposed Well)

FOY TRIBAL 14-34-55 (Proposed Well)

Pad Location: SESW Section 34, T5S, R5W, U.S.B.&M.



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 Returned Unapproved

SURVEYED BY:	M.C.	DATE SURVEYED:	02-17-14
DRAWN BY:	L.C.S.	DATE DRAWN:	02-18-14
SCALE:	1" = 50'	REVISED:	06-09-14 D.COX

**Tri State**  
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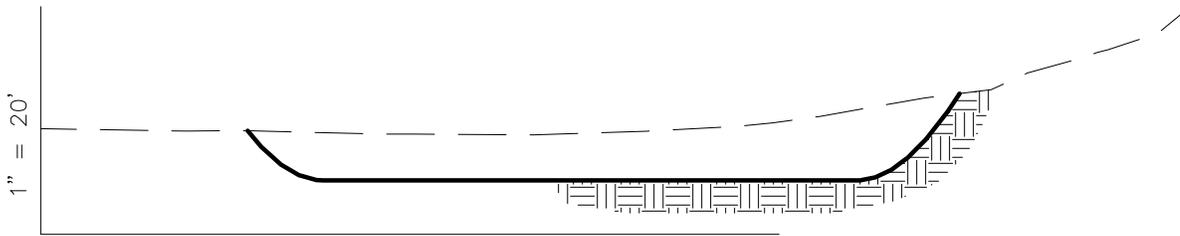
# LINN Operating, Inc.

## CROSS SECTIONS

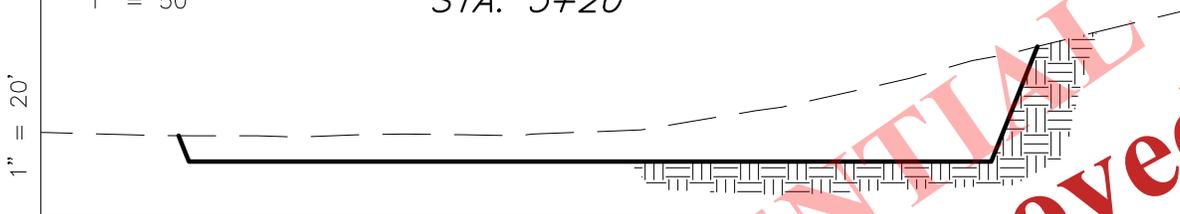
FOY TRIBAL 13-34D-55 (Proposed Well)

FOY TRIBAL 14-34-55 (Proposed Well)

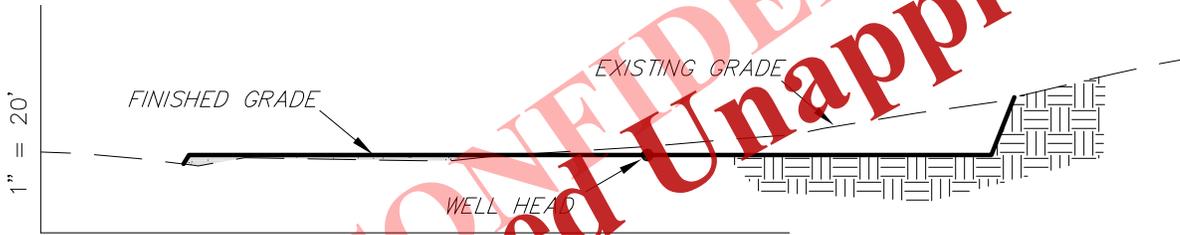
Pad Location: SESW Section 34, T5S, R5W, U.S.B.&M.



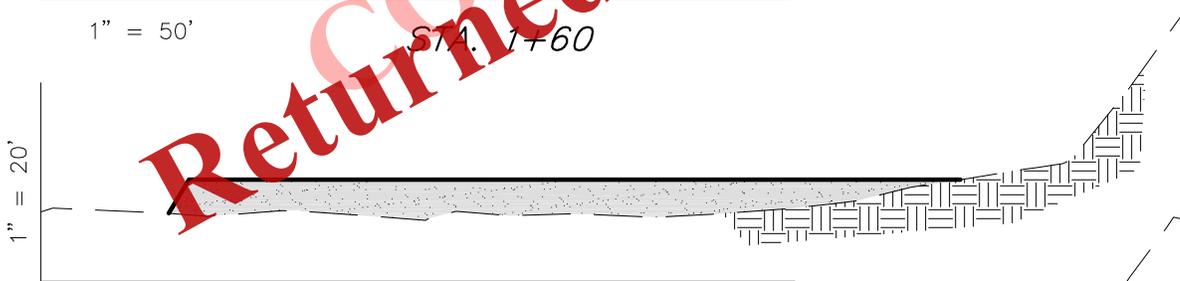
1" = 50' STA. 3+20



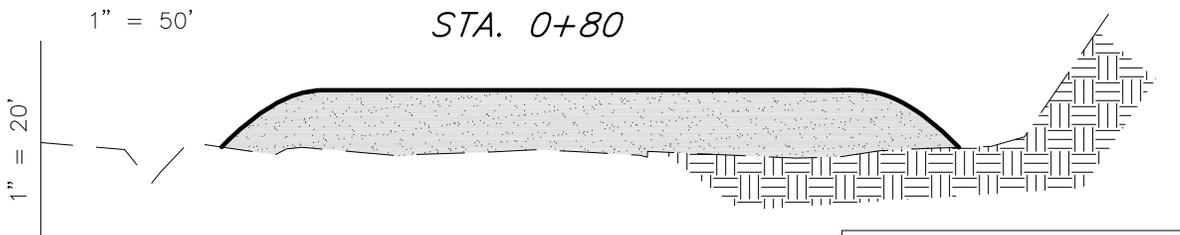
1" = 50' STA. 2+50



1" = 50' STA. 1+60



1" = 50' STA. 0+80



1" = 50' STA. 0+00

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ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	4,780	4,780	Topsoil is not included in Pad Cut	0
PIT	0	0		0
TOTALS	4,780	4,780	1,350	0

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

SURVEYED BY:	M.C.	DATE SURVEYED:	02-17-14
DRAWN BY:	L.C.S.	DATE DRAWN:	02-18-14
SCALE:	1" = 50'	REVISED:	06-09-14 D.COX

(435) 781-2501

**Tri State**  
Land Surveying, Inc.  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

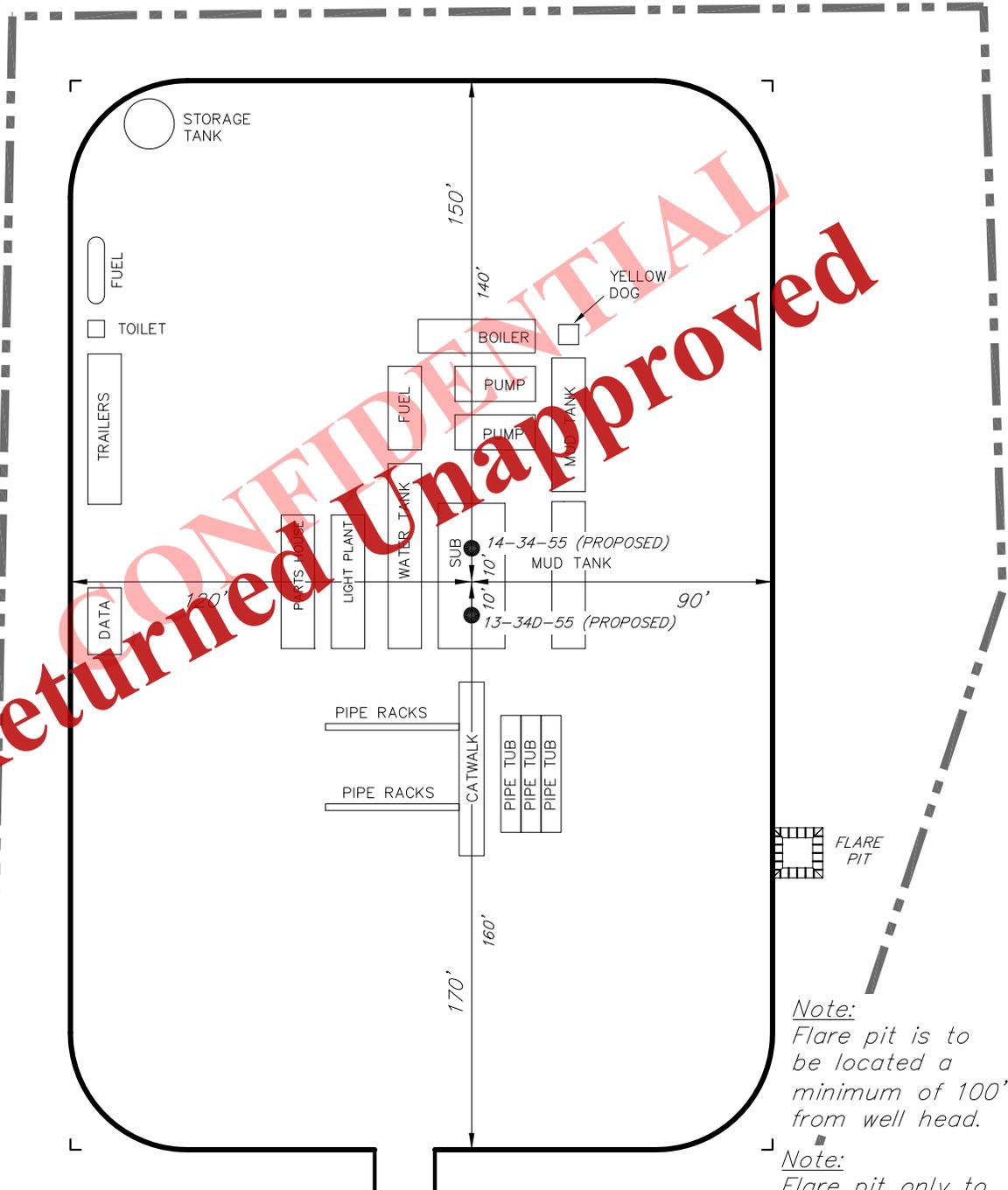
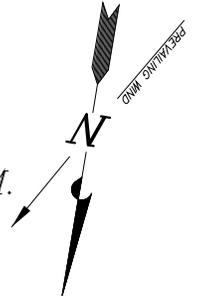
# LINN Operating, Inc.

## TYPICAL RIG LAYOUT

FOY TRIBAL 13-34D-55 (Proposed Well)

FOY TRIBAL 14-34-55 (Proposed Well)

Pad Location: SESW Section 34, T5S, R5W, U.S.B.&M.



PROPOSED SURFACE DISTURBANCE BOUNDARY (APPROX. 2.4 ACRES)

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Note:  
Flare pit is to be located a minimum of 100' from well head.

Note:  
Flare pit only to be constructed on an As-needed Basis.

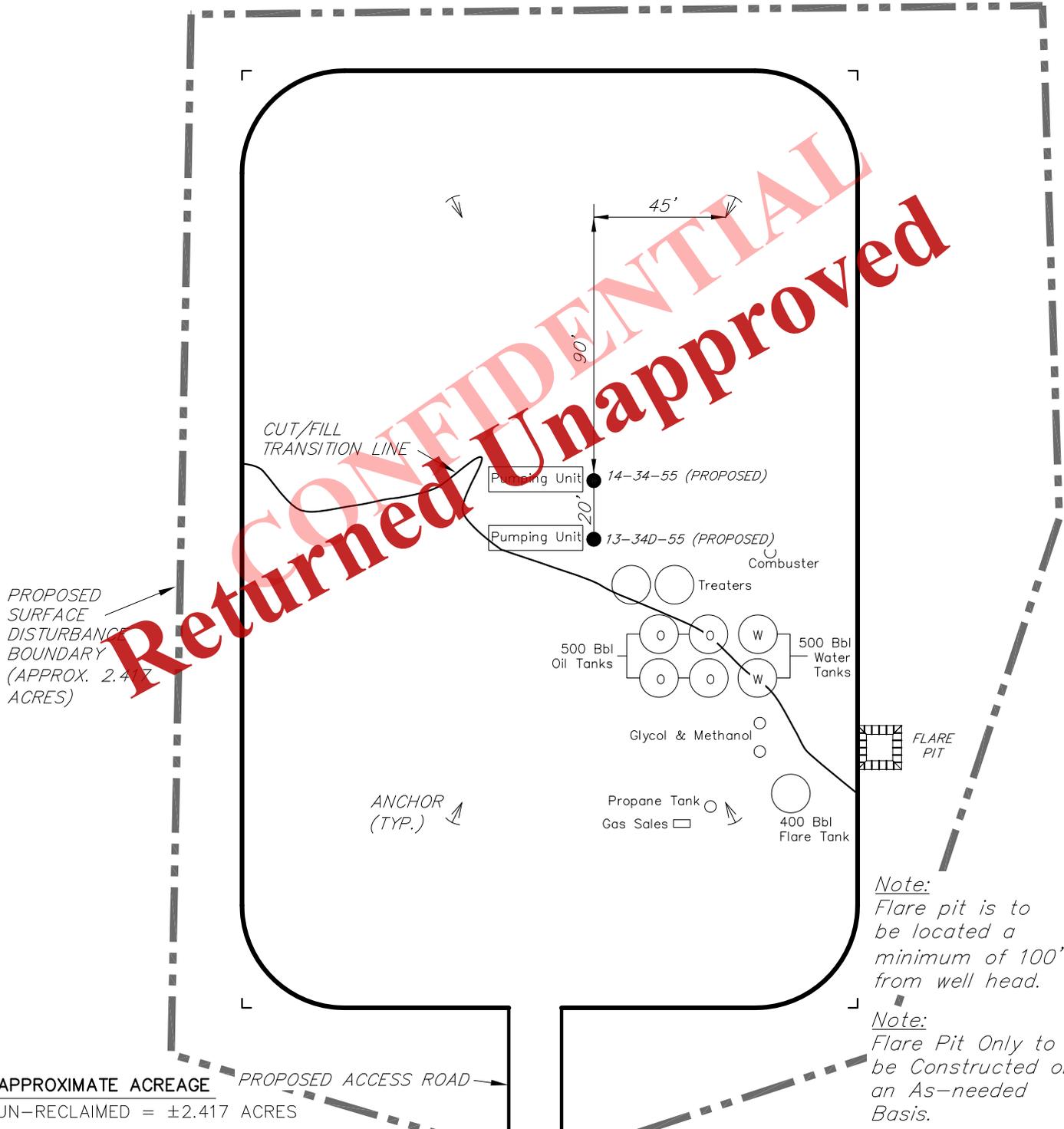
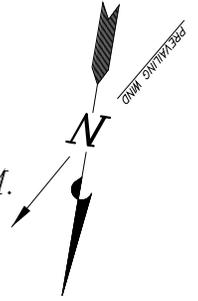
**NOTE:** OPERATOR TO DETERMINE ACTUAL LOCATION OF EQUIPMENT AND FACILITIES TO BE REMOVED FOR DRILLING.

SURVEYED BY:	M.C.	DATE SURVEYED:	02-17-14
DRAWN BY:	L.C.S.	DATE DRAWN:	02-18-14
SCALE:	1" = 50'	REVISED:	06-09-14 D.COX

(435) 781-2501

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 Land Surveying, Inc.  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

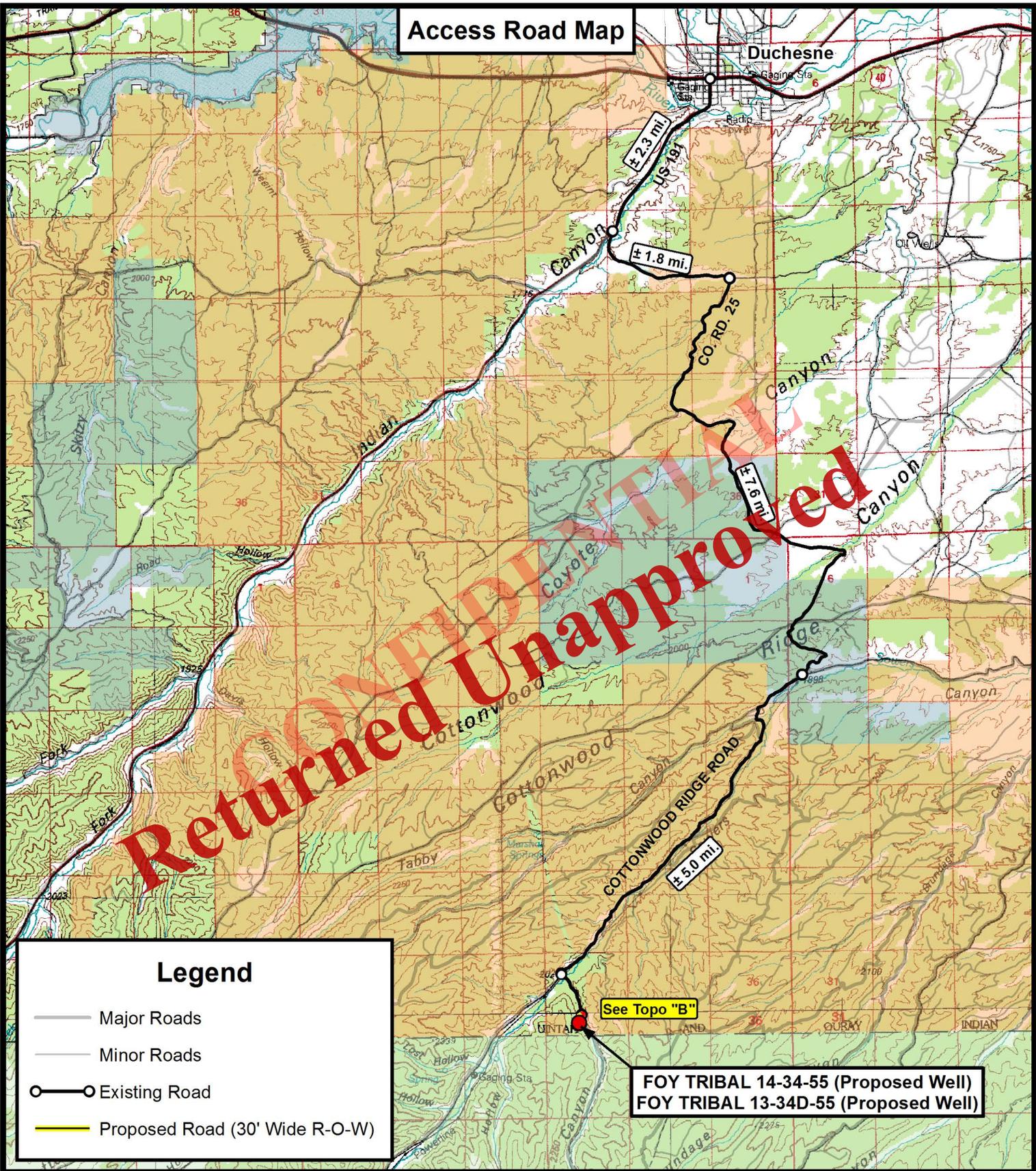
**LINN Operating, Inc.**  
**INTERIM RECLAMATION PLAN**  
**FOY TRIBAL 13-34D-55 (Proposed Well)**  
**FOY TRIBAL 14-34-55 (Proposed Well)**  
*Pad Location: SESW Section 34, T5S, R5W, U.S.B.&M.*



SURVEYED BY:	M.C.	DATE SURVEYED:	02-17-14
DRAWN BY:	L.C.S.	DATE DRAWN:	02-18-14
SCALE:	1" = 50'	REVISED:	06-09-14 D.COX

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

# Access Road Map



## Legend

- Major Roads
- Minor Roads
- Existing Road
- Proposed Road (30' Wide R-O-W)

**FOY TRIBAL 14-34-55 (Proposed Well)**  
**FOY TRIBAL 13-34D-55 (Proposed Well)**

**Tri State Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
 F: (435) 781-2518



**LINN Operating, Inc.**  
 FOY TRIBAL 14-34-55 (Proposed Well)  
 FOY TRIBAL 13-34D-55 (Proposed Well)  
 SEC. 34, T5S, R5W, U.S.B.&M.  
 Duchesne County, UT.

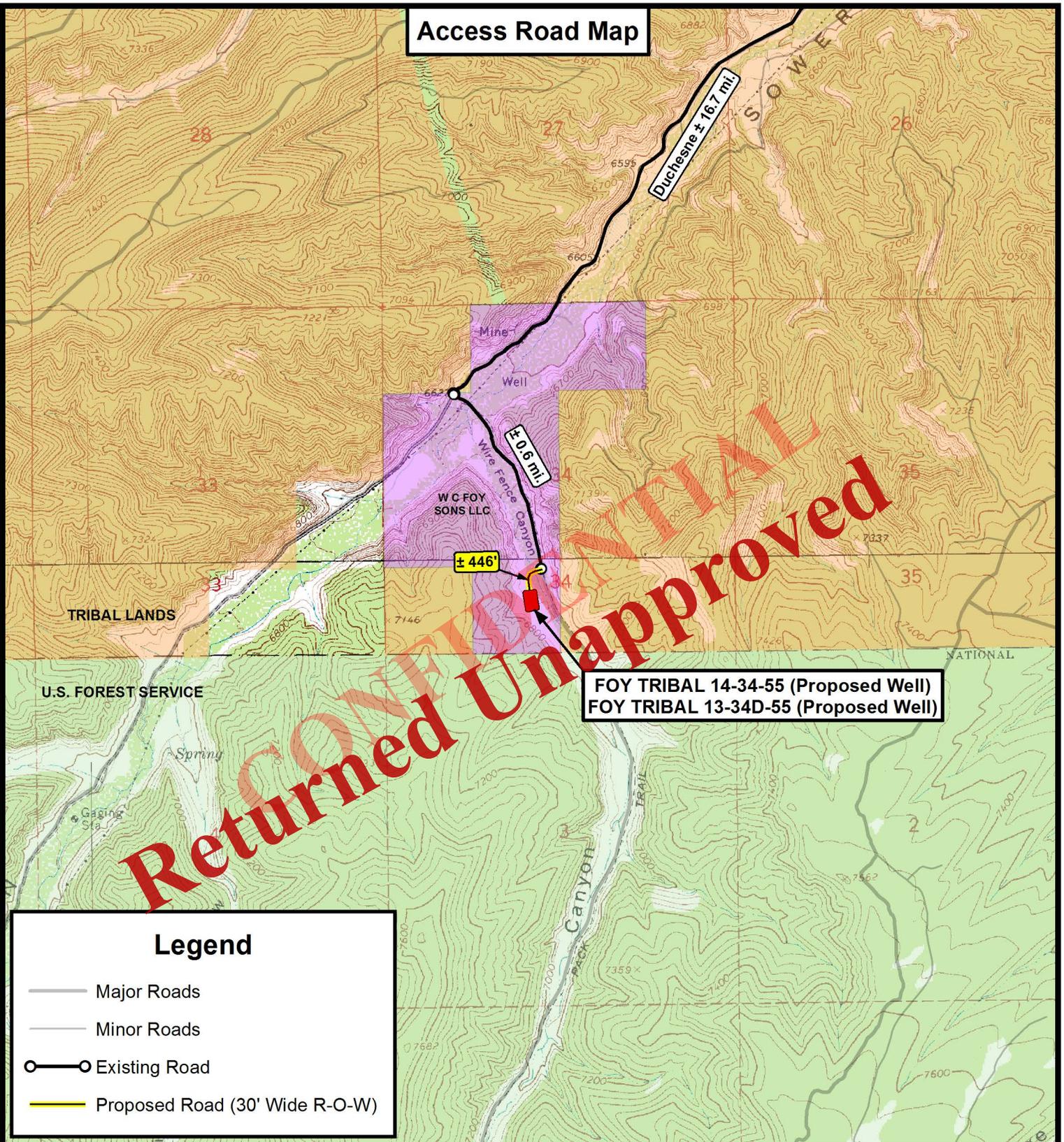
DRAWN BY:	J.A.S.	REVISED:	06-11-2014 J.A.S.
DATE:	02-27-2014		
SCALE:	1:100,000		

**TOPOGRAPHIC MAP**

SHEET  
**A**

**Received: August 19, 2014**

# Access Road Map



## Legend

- Major Roads
- Minor Roads
- Existing Road
- Proposed Road (30' Wide R-O-W)

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.



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Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

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F: (435) 781-2518



## LINN Operating, Inc.

FOY TRIBAL 14-34-55 (Proposed Well)  
FOY TRIBAL 13-34D-55 (Proposed Well)  
SEC. 34, T5S, R5W, U.S.B.&M.  
Duchesne County, UT.

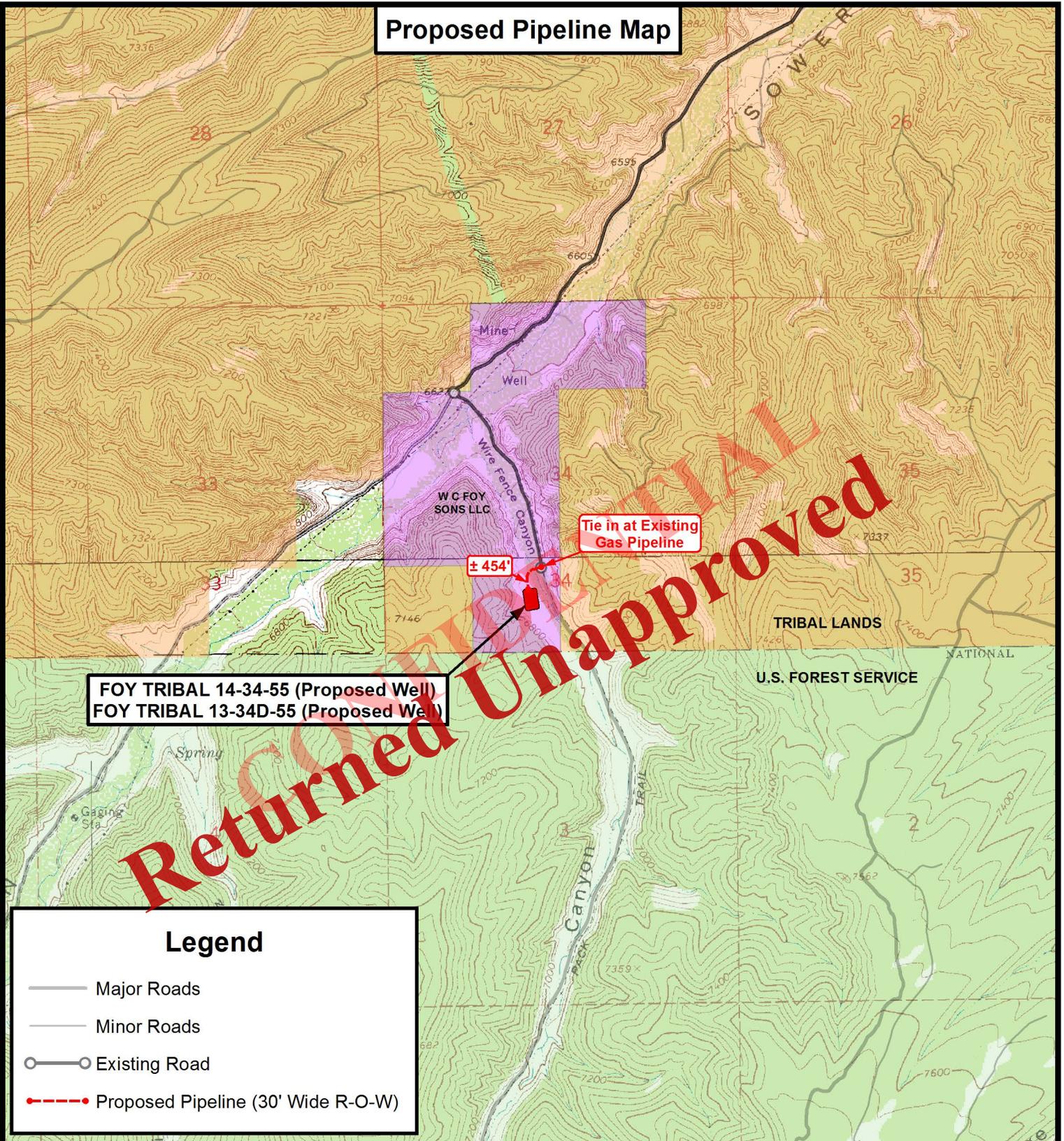
DRAWN BY:	J.A.S.	REVISED:	06-11-2014 J.A.S.
DATE:	02-27-2014		
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**B**

**Received: August 19, 2014**

**Proposed Pipeline Map**



**FOY TRIBAL 14-34-55 (Proposed Well)**  
**FOY TRIBAL 13-34D-55 (Proposed Well)**

**Legend**

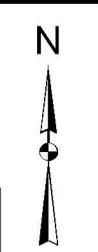
- Major Roads
- Minor Roads
- Existing Road
- - - Proposed Pipeline (30' Wide R-O-W)

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.



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 F: (435) 781-2518



**LINN Operating, Inc.**  
 FOY TRIBAL 14-34-55 (Proposed Well)  
 FOY TRIBAL 13-34D-55 (Proposed Well)  
 SEC. 34, T5S, R5W, U.S.B.&M.  
 Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED:	06-11-2014 J.A.S.
DATE:	02-27-2014		
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET **C**

**Received: August 19, 2014**

**Exhibit "B" Map**

**FOY TRIBAL 14-34-55 (Proposed Well)**  
**FOY TRIBAL 13-34D-55 (Proposed Well)**

RETURNED UNAPPROVED

UT 5-28D-55  
 UT 6-27D-55  
 UT 3-33D-55  
 UT 5-33D-55

**Legend**

-  1 Mile Radius
-  Proposed Location

**DNR Well Status**

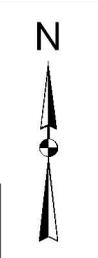
-  Approved Permit
-  Spudded Drilling
-  Location Abandoned
-  New Location
-  Drilling Operations Suspended
-  Plugged Abandoned
-  Producing Gas Well
-  Producing Oil Well
-  Returned APD
-  Shut-in Gas Well
-  Shut-in Water Well
-  Temporarily Abandoned
-  Water Disposal Well
-  Water Injection Well

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**Tri State Land Surveying, Inc.**  
 180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
 F: (435) 781-2518



**LINN Operating, Inc.**  
 FOY TRIBAL 14-34-55 (Proposed Well)  
 FOY TRIBAL 13-34D-55 (Proposed Well)  
 SEC. 34, T5S, R5W, U.S.B.&M.  
 Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED:	06-11-2014 J.A.S.
DATE:	02-27-2014		
SCALE:	1" = 2,000'		

**TOPOGRAPHIC MAP**

SHEET  
**D**

Received: August 19, 2014

**Location  
Photos**

**Center Stake  
Looking Southerly**

Date Photographed:	02-17-2014
Photographed By :	M. Clements



**Access  
Looking Westerly**

Date Photographed:	02-17-2014
Photographed By :	M. Clements



**Tri State  
Land Surveying, Inc.**  
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

P: (435) 781-2501  
F: (435) 781-2518

**LINN Operating, Inc.**

FOY TRIBAL 14-34-55 (Proposed Well)  
FOY TRIBAL 13-34D-55 (Proposed Well)  
SEC. 34, T5S, R5W, U.S.B.&M.  
Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED:	06-11-2014 J.A.S.
DATE:	02-27-2014		

**COLOR PHOTOGRAPHS**

SHEET  
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**Received: August 19, 2014**

**LINN Operating, Inc.**

**FOY TRIBAL 14-34-55 (Proposed Well)**

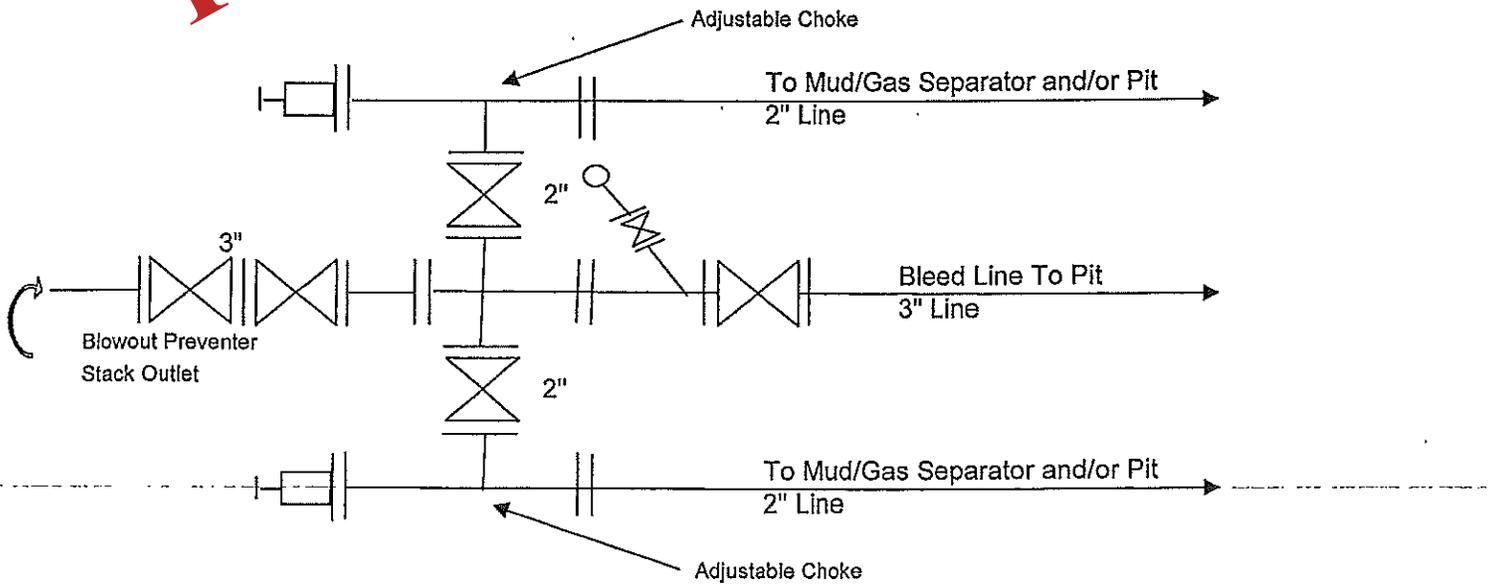
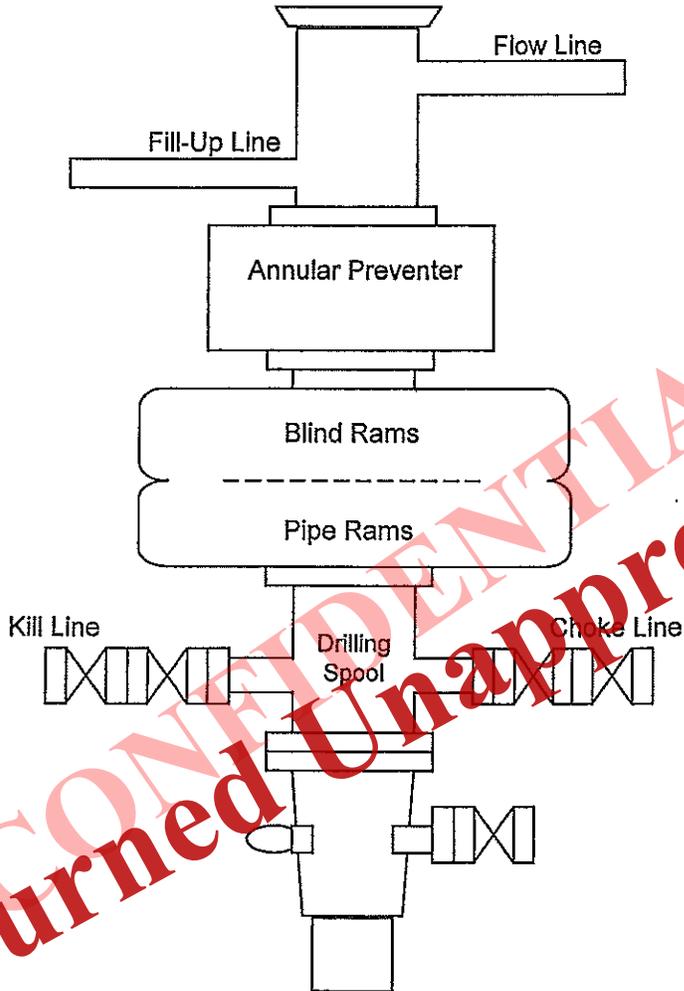
**FOY TRIBAL 13-34D-55 (Proposed Well)**

**SECTION 34, T5S, R5W, U.S.B.&M.**

PROCEED IN A SOUTHERLY DIRECTION FROM DUCHESNE, UTAH ALONG U.S. HIGHWAY 191 APPROXIMATELY 2.3 MILES TO THE JUNCTION OF THIS ROAD AND THE EXISTING SOWERS CANYON ACCESS ROAD TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY THENCE EASTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND COUNTY ROAD 25 TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY THENCE SOUTHEASTERLY THENCE SOUTHWESTERLY DIRECTION APPROXIMATELY 7.6 MILES TO THE JUNCTION OF THIS ROAD AND SOWERS CANYON ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND WIRE FENCE CANYON ROAD TO THE SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE FOY TRIBAL 14-34-55 & 13-34D-55; FOLLOW THE PROPOSED ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 446' TO THE PROPOSED LOCATION.

**Returned Unapproved**

# SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK



## AFFIDAVIT OF NOTICE

I, Krista Wilson, the affiant herein, being of lawful age and duly sworn upon his oath deposes and states as follows:

Krista Wilson is a Sr. Regulatory & Permitting Tech for Linn Operating, Inc., with offices located at 1999 Broadway, Suite 3700, Denver, Colorado 80202 and is duly authorized to make this affidavit on behalf of said company.

Linn Operating, Inc. has submitted notices to commingle production from the Wasatch and Green River formations in the following wells. Further, the working interest and royalty interests in the Green River and Wasatch formations are common ownership and allocation of production from the different formations is not necessary. The wells lie within the boundaries of the Ute Tribal Exploration and Development Agreement – BIA Lease # 14-20-H62-4728:

Foy Tribal 13-34D-55  
Foy Tribal 14-34-55

This Affidavit is made in accordance with Utah's Oil, Gas and Mining regulation R649-3-22. As operator, Linn Operating, Inc. has provided notices to the owner(s) of all contiguous oil and gas leases or drilling units overlying the pool for the aforementioned wells to the parties listed below:

BIA - Uintah & Ouray Agency  
RES, Minerals and Mining  
P.O. Box 130  
Fort Duchesne, UT 84026  
Attn: Paula C Black, Realty Specialist

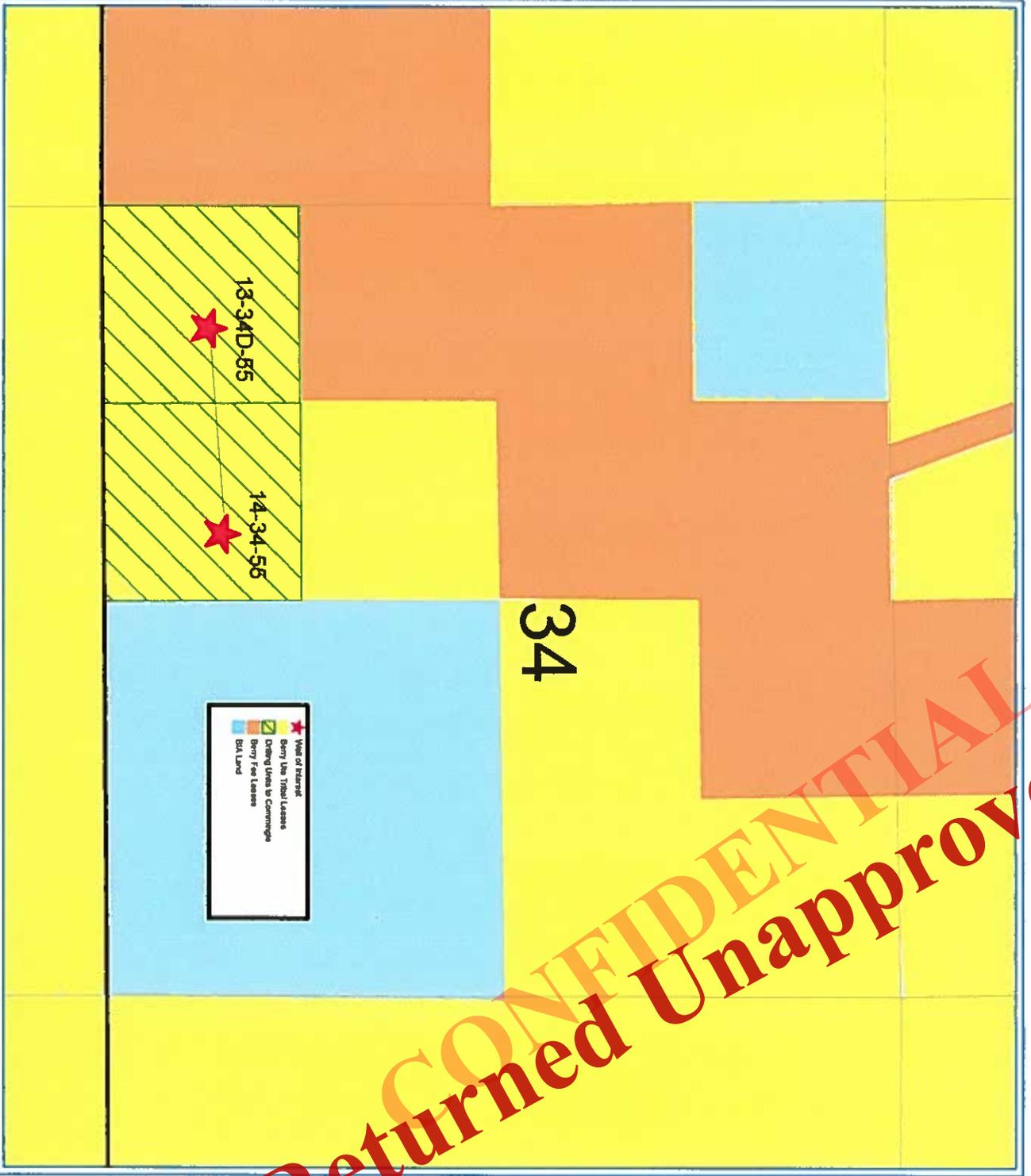
This instrument is executed this 18th day of August, 2014.

Linn Operating, Inc.

By: Krista Wilson

**CONFIDENTIAL**  
**Returned Unapproved**

**Received: August 19, 2014**



**CONFIDENTIAL**  
**Returned Unapproved**

LINN Operating, Inc.

Statewide Utah  
 Commingle Map



July 14, 2014



4000 South 4028 West  
Route 2 Box 7735  
Roosevelt, UT 84066  
Phone: (435) 722-1324

August 18, 2014

Ms. Diana Whitney  
State of Utah  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, UT 84115-5801

Re: Directional Drilling R649-3-11  
Foy Tribal 13-34D-55  
  
Section 34, T5S-R5W  
Duchesne, County, Utah

809' FSL & 2171' FWL (SESW – SHL)  
730' FSL & 812' FWL (SWSW – BHL)

Dear Ms. Whitney:

Pursuant to the filing of Linn Operating, Inc. Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- The Foy Tribal 13-34D-55 well is to be located within the Brundage Canyon Field Area.
- Linn is locating the well at the surface location and directionally drilling from this location to minimize surface disturbance and Linn will be able to utilize the existing road and pipelines in the area.
- Furthermore, Linn hereby certifies that it is the sole working interest owner with 460 feet of the entire directional well bore and the remainder of the Ute Tribal section.

Therefore, based on the above stated information Linn Operating, Inc. requests the permit be granted pursuant to R649-3-11.

Respectfully Submitted,

Krista Wilson  
Sr. Regulatory & Permitting Technician

SELF-CERTIFICATION STATEMENT

The following self -certification statement is provided per federal requirements dated May 7, 2007.

Please be advised that Linn Operating, Inc. is considered to be the operator of the following well.

Foy Tribal 13-34D-55  
Section 34, T5S, R5W, U.S.B.& M.  
Surface: 809' FSL & 2171' FWL (SESW)  
BHL: 730' FSL & 812' FWL (SWSW)  
Duchesne, County, Utah

Linn Operating, Inc. is responsible under the terms of the lease for the operations conducted upon the lease lands.

**Operator's Representative and Certification**

A) Representative  
NAME: Krista M. Wilson  
ADDRESS: Linn Operating, Inc.  
4000 South 4028 West  
Route 2, Box 7735  
Roosevelt, Utah 84066  
PHONE: 435-722-1325

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations and onshore oil and gas orders. Linn Operating, Inc. is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

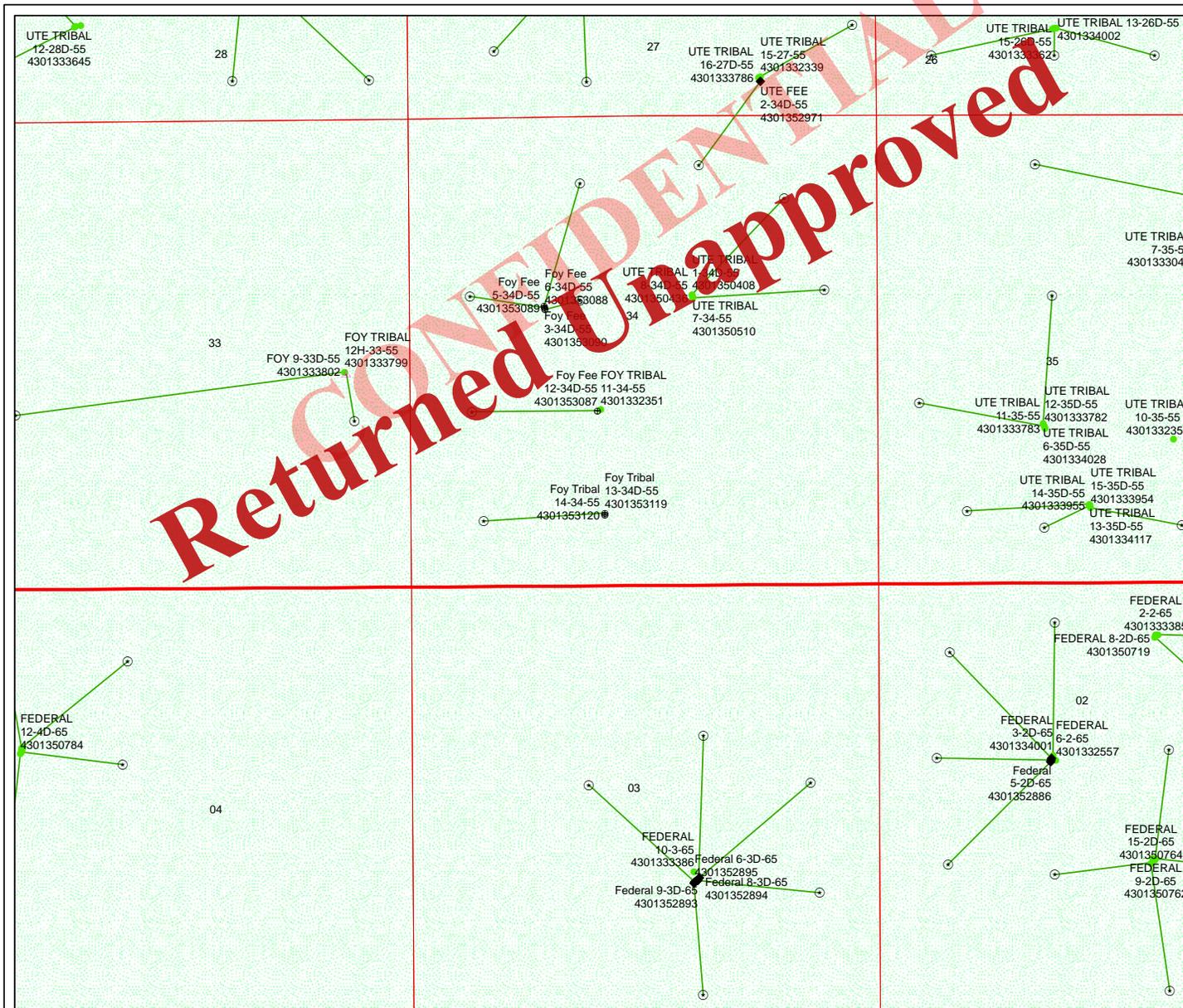
The drilling permit will be valid for a period of two years from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

B) Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge and belief, true and correct; and that the work associated with the operations proposed herein will be performed by Linn Operating, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

8/18/2014  
\_\_\_\_\_  
DATE

Krista M. Wilson  
\_\_\_\_\_  
Krista M. Wilson  
Sr. Regulatory & Permitting Tech.



API Number: 4301353119

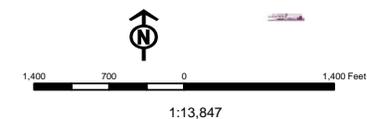
Well Name: Foy Tribal 13-34D-55

Township: T05.0S Range: R05.0W Section: 34 Meridian: U

Operator: LINN OPERATING, INC.

Map Prepared: 8/20/2014  
Map Produced by Diana Mason

Wells Query		Units	
<b>Status</b>	<b>STATUS</b>	<b>STATUS</b>	<b>STATUS</b>
◆ APD - Approved Permit	□ ACTIVE	□ EXPLORATORY	□ GAS STORAGE
○ DRL - Spudded (Drilling Commenced)	□ NF PP OIL	□ NF SECONDARY	□ PI OIL
⚡ GRW - Gas Injection	□ PP GAS	□ PP GEOTHERML	□ PP OIL
⊕ GS - Gas Storage	□ SECONDARY	□ TERMINATED	
⊖ LOC - New Location			
⊖ OPS - Operation Suspended			
⊖ PA - Plugged Abandoned			
⊖ PGW - Producing Gas Well			
⊖ POW - Producing Oil Well			
⊖ SGW - Shut-in Gas Well			
⊖ SGW - Shut-in Oil Well			
⊖ TA - Temp. Abandoned			
○ TW - Test Well			
○ WDW - Water Disposal			
○ WW - Water Injection Well			
○ WSW - Water Supply Well			
		<b>Fields</b>	<b>STATUS</b>
		□ Unknown	□ ABANDONED
		□ ACTIVE	□ COMBINED
		□ INACTIVE	□ STORAGE
		□ TERMINATED	□ TERMINATED





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 08, 2016

LINN OPERATING, INC.  
Rt. 2 Box 7735  
Roosevelt, UT 84066

Re: Application for Permit to Drill - DUCHESNE County, Utah

Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the Foy Tribal 13-34D-55 well, API 43013531190000 that was submitted August 19, 2014 is being returned unapproved. If you plan on drilling this well in the future, you must first submit a new application.

Should you have any questions regarding this matter, please call me at (801) 538-5312.

Sincerely,

Diana Mason  
Environmental Scientist

Enclosure

cc: Bureau of Land Management, Vernal, Utah



