FORM 3

AMENDED REPORT ☐

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

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
Foy Fee 5-34D-55

2. TYPE OF WORK
DRILL NEW WELL ☒ REENTER P&A WELL ☐ DEEPEN WELL ☐

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)
Fee

11. MINERAL OWNERSHIP
FEDERAL ☐ INDIAN ☐ STATE ☐ FEE ☒

12. SURFACE OWNERSHIP
FEDERAL ☐ INDIAN ☐ STATE ☐ FEE ☒

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
Leo Foy

14. SURFACE OWNER PHONE (if box 12 = 'fee')
435-503-1688

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')

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	2124 FNL 1498 FWL	SENW	34	5.0 S	5.0 W	U
Top of Uppermost Producing Zone	1982 FNL 859 FWL	SWNW	34	5.0 S	5.0 W	U
At Total Depth	1980 FNL 660 FWL	SWNW	34	5.0 S	5.0 W	U

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
660

23. NUMBER OF ACRES IN DRILLING UNIT
640

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
20

26. PROPOSED DEPTH
MD: 5858 TVD: 5756

27. ELEVATION - GROUND LEVEL
6648

28. BOND NUMBER
LPM9149893

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
43-12400

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	12.25	8.625	0 - 600	24.0	J-55 ST&C	9.5	Class G	400	1.15	15.8
Prod	7.875	5.5	0 - 5858	17.0	N-80 LT&C	9.5	Type V	200	3.82	11.0
							Class G	270	1.7	13.1

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 Krista Wilson	**TITLE** Regulatory Permitting Tech	**PHONE** 435 722-1325
SIGNATURE	**DATE** 07/25/2014	**EMAIL** kwilson@linnenergy.com

API NUMBER ASSIGNED 43013530890000 **APPROVAL**

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Returned Unapproved

Received: August 06, 2014

LINN OPERATING, INC.
Foy Fee 5-34D-55
Section 34, T5S, R5W, U.S.B.&M.
Surface: 2124' FNL & 1498' FWL (SENW)
BHL: 1980' FNL & 660' FWL (SWNW)
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	615'	604'	615'
Green River Fouch Marker	1180'	1170'	1180'
Mahogany	1784'	1772'	1795'
Tgr3	2804'	2788'	2846'
*Douglas Creek	3562'	3546'	3628'
Black Shale	4169'	4156'	4249'
*Castle Peak	4466'	4449'	4548'
Uteland Butte	4875'	4851'	4957'
*Wasatch	5076'	5056'	5158'
CR-4	5726'	5706'	5808'
TD	5776'	5756'	5858'
Base of Moderate Saline Water	4187'	4355'	

*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.

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Received: July 25, 2014

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.

Depth Intervals	BOP Equipment
0 – 600'	No Pressure Control
600' – 5858'	11" 3000# Ram Type BOP 11" 3000# Annular BOP

D,E Proposed Casing and Cementing Program

Purpose	Depth	Hole Size	Casing Size	Type	Connection	Weight
Conductor will be run as needed with cement set the surface.						
Surface	600'	12.25"	8-5/8"	J-55	ST&C	24#
Production	5858'	7.875"	5-1/2"	NW-80, N-80 or LIDA-80	LT&C	17#

Surface	Type & Amount
0' – 600'	Approx. 400 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' – 5858'	Tail: +/- 270 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.

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F Drilling Fluids Program

Interval	Weight	Viscosity	Fluid Loss	Remarks
0' – 600'	8.4 – 9.5	27	NC	Mud or Air (see attached variance)
600'- 5858'	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

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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 2894 psi* and maximum anticipated surface pressure equals approximately 1605**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.

Received: July 25, 2014

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.

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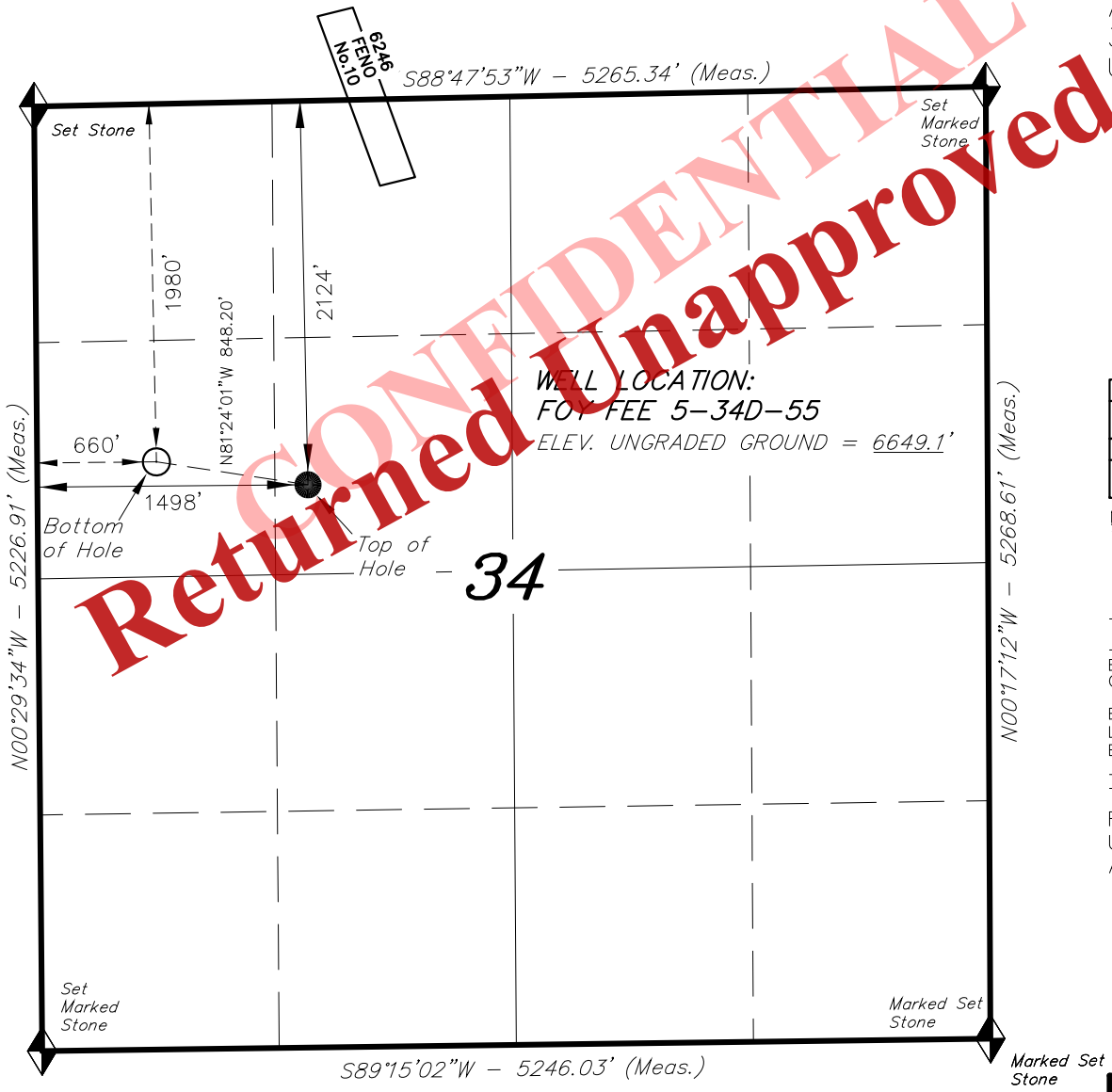
Received: July 25, 2014

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



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LINN Operating, Inc.

WELL LOCATION, FOY FEE 5-34D-55, LOCATED AS SHOWN IN THE SE 1/4 NW 1/4 OF SECTION 34, T5S, R5W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

N

1000' 500' 0' 1000'
BAR SCALE

= SECTION CORNERS LOCATED

NAD 83 (SURFACE LOCATION)	NAD 83 (BOTTOM HOLE LOCATION)
LAT: = 40°00'16.40" (40.004555)	LAT: = 40°00'17.75" (40.004931)
LONG: = 110°26'16.23" (110.437843)	LONG: = 110°26'26.99" (110.440830)
NAD 27 (SURFACE LOCATION)	**NAD 27 (BOTTOM HOLE LOCATION)**
LAT: = 40°00'16.54" (40.004594)	LAT: = 40°00'17.89" (40.004969)
LONG: = 110°26'13.68" (110.437133)	LONG: = 110°26'24.43" (110.440120)

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 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.

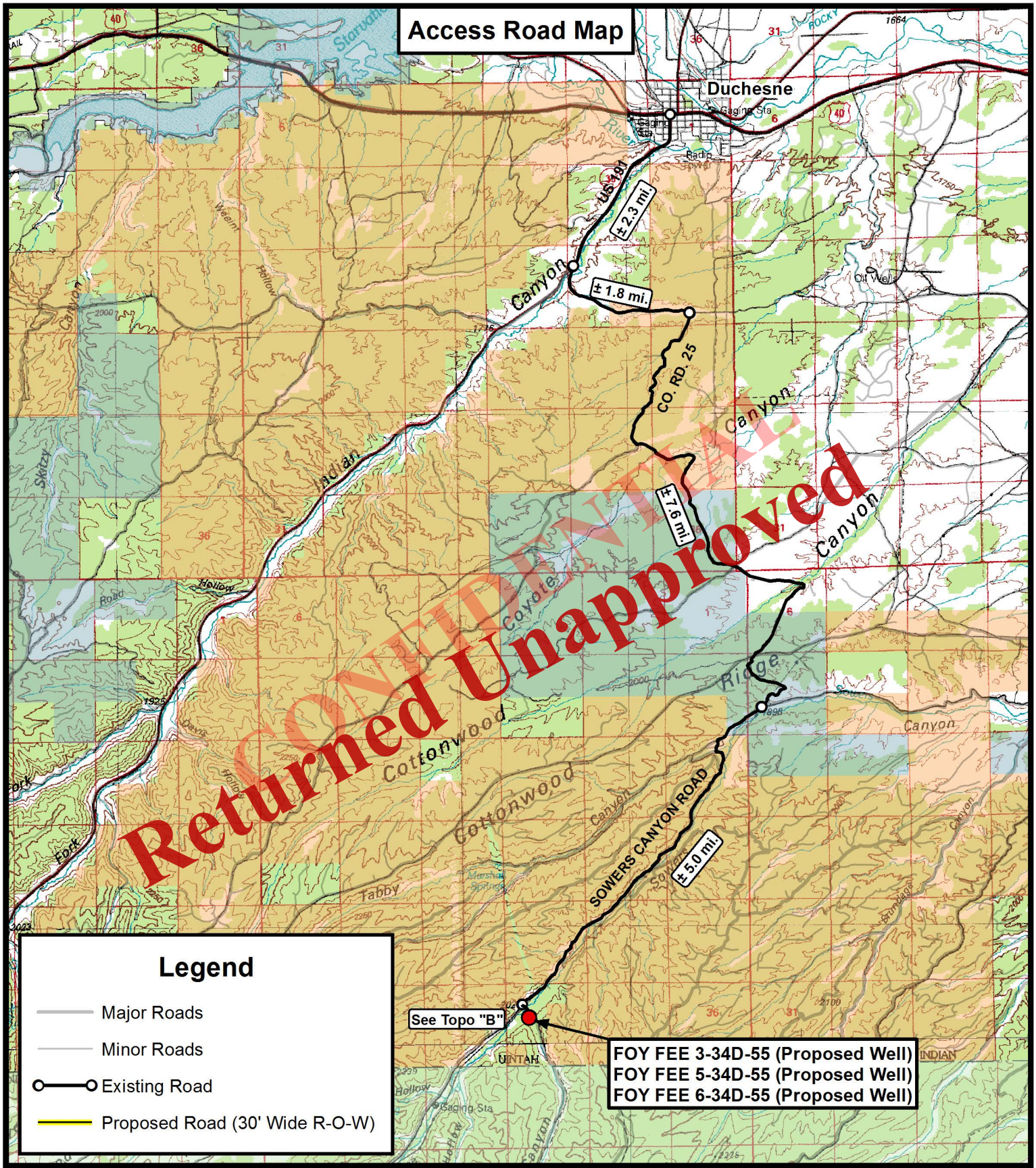
REGISTERED LAND SURVEYOR
No. 189377
06-09-14
STACY W. STEWART
STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

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

DATE SURVEYED:	01-08-14	SURVEYED BY:	M.C.
DATE DRAWN:	01-13-14	DRAWN BY:	L.C.S.
REVISED:	06-09-14 D.COX	SCALE:	1" = 1000'

Received: July 25, 2014



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

N

LINN Operating, Inc.
FOY FEE 3-34D-55 (Proposed Well)
FOY FEE 5-34D-55 (Proposed Well)
FOY FEE 6-34D-55 (Proposed Well)
SEC. 34, T5S, R5W, U.S.B.&M. Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED:	06-10-2014 J.A.S.
DATE:	01-22-2014		
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET A

Received: July 25, 2014

Archer

Linn Operating inc.

Duchesne Co., UT (UT27C)
Sec.34-T5S-R5W
Foy Fee 5-34D-55

Wellbore #1

Plan: Design #1

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Standard Planning Report

01 July, 2014

Archer

Received: July 25, 2014

Linn Operating inc.
Project: Duchesne Co., UT (UT27C)
Site: Sec.34-T5S-R5W
Well: Foy Fee 5-34D-55
Wellbore: Wellbore #1
Design: Design #1
Latitude: 40° 0' 16.538 N
Longitude: 110° 26' 13.679 W
Ground Level: 6648.00
WELL @ 6668.00usft (Original Well Elev)

Archer

WELL DETAILS: Foy Fee 5-34D-55

Ground Level: 6648.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	610487.563	2297728.054	40° 0' 16.538 N	110° 26' 13.679 W	

T M
Azimuths to True North
Magnetic North: 11.07°

Magnetic Field
Strength: 51886.6snT
Dip Angle: 65.61°
Date: 2014/07/01
Model: IGRF2010

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

Name	TVD	+N/-S	+E/-W	Latitude	Longitude	Shape
Foy Fee 5-34D-55 tgt	5756.00	136.62	-836.73	40° 0' 17.888 N	110° 26' 24.432 W	Circle (Radius: 100.00)

SECTION DETAILS

MD	Inc	Azi	TVD	+N/-S	+E/-W	DIeg	TFace	VSect	Annotation
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	Start Build 1.50
1731.79	15.48	279.27	1719.29	22.32	-136.70	1.50	279.27	138.51	Start 2138.98 hold at 1731.79 MD
3870.77	15.48	279.27	3780.71	114.30	-700.03	0.00	0.00	709.30	Start Drop -1.50
4902.57	0.00	0.00	4800.00	136.62	-836.73	1.50	180.00	847.81	Start 956.00 hold at 4902.57 MD
5858.57	0.00	0.00	5756.00	136.62	-836.73	0.00	0.00	847.81	TD at 5858.57

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 Fee 5-34D-55, True North
Vertical (TVD) Reference: WELL @ 6668.00usft (Original Well Elev)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: WELL @ 6668.00usft (Original Well Elev)
Calculation Method: Minimum Curvature

FORMATION TOP DETAILS

TVDPath	MDPath	Formation
615.00	615.00	Green River
1179.29	1180.56	GRF Marker
1780.34	1795.14	Mahogany
2793.72	2846.65	Tgr3
3546.81	3628.08	Douglas Creek
4150.33	4249.73	Upper Black Shale
4446.41	4548.47	Castle Peak
4855.02	4957.59	Uteland Butte
5056.02	5158.59	Wasatch
5706.02	5808.59	Cr4

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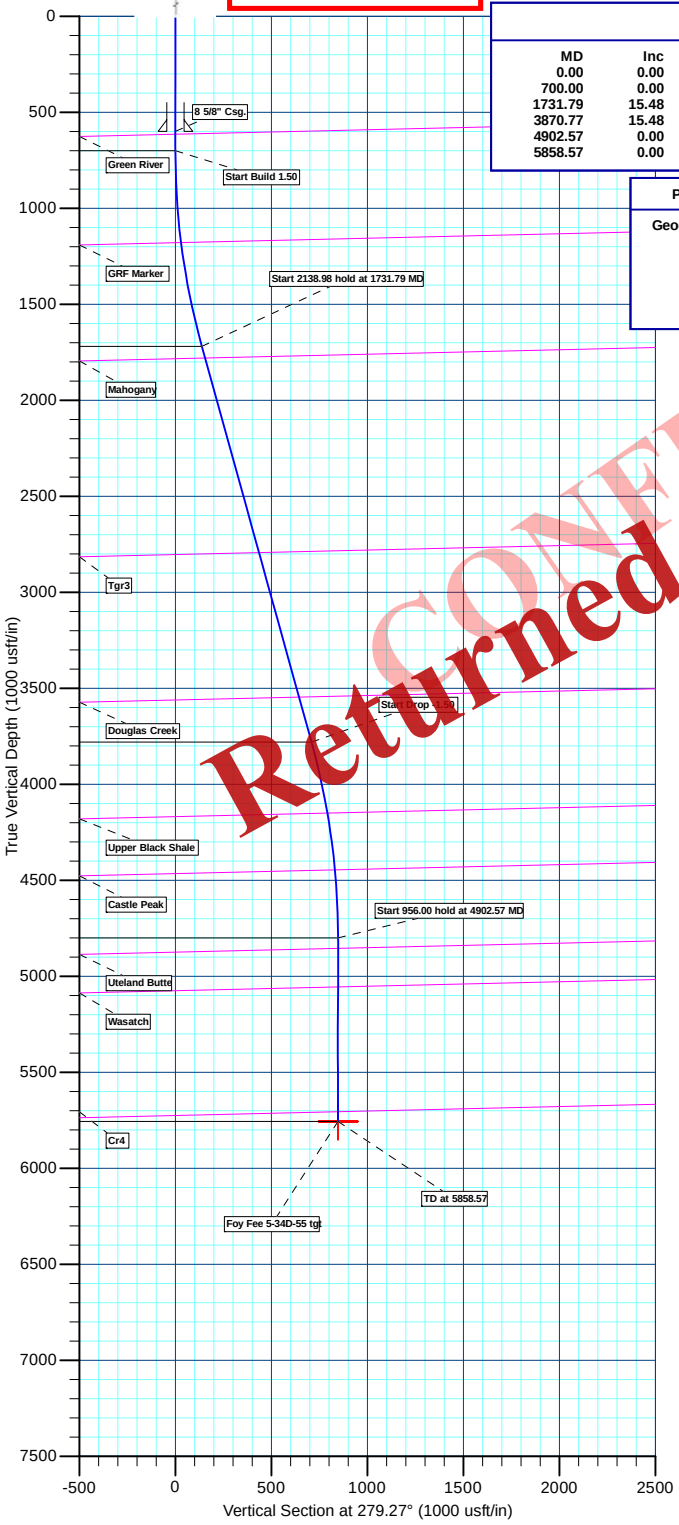

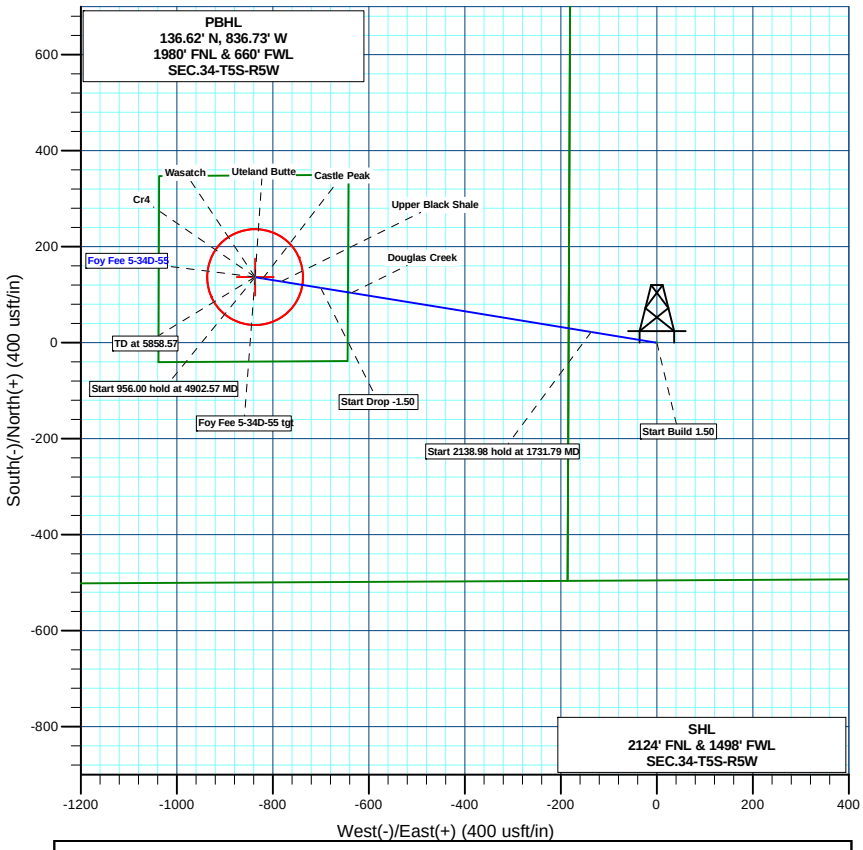

Plan: Design #1 (Foy Fee 5-34D-55/Wellbore #1)

Created By: Ricky Osburn Date: 15:15, July 01 2014

Received: July 25, 2014

Database:	EDMDBBW	**Local Co-ordinate Reference:**	Well Foy Fee 5-34D-55
Company:	Linn Operating inc.	**TVD Reference:**	WELL @ 6668.00usft (Original Well Elev)
Project:	Duchesne Co., UT (UT27C)	**MD Reference:**	WELL @ 6668.00usft (Original Well Elev)
Site:	Sec.34-T5S-R5W	**North Reference:**	True
Well:	Foy Fee 5-34D-55	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project Duchesne Co., UT (UT27C)

Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site Sec.34-T5S-R5W

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

Well Foy Fee 5-34D-55

Well Position	**+N/-S**	-18.96 usft	**Northing:**	610,487.563 usft	**Latitude:**	40° 0' 16.538 N
	+E/-W	5.60 usft	**Easting:**	2,297,728.054 usft	**Longitude:**	110° 26' 13.679 W
Position Uncertainty		0.00 usft	**Wellhead Elevation:**	usft	**Ground Level:**	6,648.00 usft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2014/07/01	11.07	65.61	51,887

Design Design #1

Audit Notes:

Version:		**Phase:**	PLAN	**Tie On Depth:**	0.00

Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	279.27

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	
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,731.79	15.48	279.27	1,719.29	22.32	-136.70	1.50	1.50	0.00	279.27	
3,870.77	15.48	279.27	3,780.71	114.30	-700.03	0.00	0.00	0.00	0.00	
4,902.57	0.00	0.00	4,800.00	136.62	-836.73	1.50	-1.50	0.00	180.00	
5,858.57	0.00	0.00	5,756.00	136.62	-836.73	0.00	0.00	0.00	0.00	Foy Fee 5-34D-55 tgt

CONFIDENTIAL
Returned Unapproved

Received: July 25, 2014

Database:	EDMDBBW	**Local Co-ordinate Reference:**	Well Foy Fee 5-34D-55
Company:	Linn Operating inc.	**TVD Reference:**	WELL @ 6668.00usft (Original Well Elev)
Project:	Duchesne Co., UT (UT27C)	**MD Reference:**	WELL @ 6668.00usft (Original Well Elev)
Site:	Sec.34-T5S-R5W	**North Reference:**	True
Well:	Foy Fee 5-34D-55	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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
100.00	0.00	0.00	100.00	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
300.00	0.00	0.00	300.00	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
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
8 5/8" Csg.									
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
Green River									
615.00	0.00	0.00	615.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 1.50									
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	1.50	279.27	799.99	0.21	-1.29	1.31	1.50	1.50	0.00
900.00	3.00	279.27	899.91	0.84	-5.17	5.23	1.50	1.50	0.00
1,000.00	4.50	279.27	999.69	1.90	-11.62	11.77	1.50	1.50	0.00
1,100.00	6.00	279.27	1,099.27	3.37	-20.65	20.92	1.50	1.50	0.00
GRF Marker									
1,180.56	7.21	279.27	1,179.29	4.86	-29.79	30.19	1.50	1.50	0.00
1,200.00	7.50	279.27	1,198.57	5.27	-32.25	32.68	1.50	1.50	0.00
1,300.00	9.00	279.27	1,297.54	7.58	-46.41	47.03	1.50	1.50	0.00
1,400.00	10.50	279.27	1,396.09	10.31	-63.13	63.96	1.50	1.50	0.00
1,500.00	12.00	279.27	1,494.16	13.45	-82.38	83.47	1.50	1.50	0.00
1,600.00	13.50	279.27	1,591.70	17.01	-104.16	105.54	1.50	1.50	0.00
1,700.00	15.00	279.27	1,688.62	20.97	-128.45	130.15	1.50	1.50	0.00
Start 2138.98 hold at 1731.79 MD									
1,731.79	15.48	279.27	1,719.29	22.32	-136.70	138.51	1.50	1.50	0.00
Mahogany									
1,795.14	15.48	279.27	1,780.34	25.04	-153.38	155.41	0.00	0.00	0.00
1,800.00	15.48	279.27	1,785.02	25.25	-154.66	156.71	0.00	0.00	0.00
1,900.00	15.48	279.27	1,881.40	29.55	-181.00	183.40	0.00	0.00	0.00
2,000.00	15.48	279.27	1,977.77	33.85	-207.34	210.08	0.00	0.00	0.00
2,100.00	15.48	279.27	2,074.15	38.15	-233.67	236.77	0.00	0.00	0.00
2,200.00	15.48	279.27	2,170.52	42.45	-260.01	263.45	0.00	0.00	0.00
2,300.00	15.48	279.27	2,266.89	46.75	-286.34	290.14	0.00	0.00	0.00
2,400.00	15.48	279.27	2,363.27	51.05	-312.68	316.82	0.00	0.00	0.00
2,500.00	15.48	279.27	2,459.64	55.35	-339.02	343.51	0.00	0.00	0.00
2,600.00	15.48	279.27	2,556.02	59.65	-365.35	370.19	0.00	0.00	0.00
2,700.00	15.48	279.27	2,652.39	63.95	-391.69	396.88	0.00	0.00	0.00
2,800.00	15.48	279.27	2,748.76	68.25	-418.03	423.56	0.00	0.00	0.00
Tgr3									
2,846.65	15.48	279.27	2,793.72	70.26	-430.31	436.01	0.00	0.00	0.00
2,900.00	15.48	279.27	2,845.14	72.55	-444.36	450.25	0.00	0.00	0.00
3,000.00	15.48	279.27	2,941.51	76.85	-470.70	476.93	0.00	0.00	0.00
3,100.00	15.48	279.27	3,037.88	81.15	-497.03	503.62	0.00	0.00	0.00
3,200.00	15.48	279.27	3,134.26	85.45	-523.37	530.30	0.00	0.00	0.00
3,300.00	15.48	279.27	3,230.63	89.75	-549.71	556.99	0.00	0.00	0.00
3,400.00	15.48	279.27	3,327.01	94.06	-576.04	583.67	0.00	0.00	0.00
3,500.00	15.48	279.27	3,423.38	98.36	-602.38	610.36	0.00	0.00	0.00
3,600.00	15.48	279.27	3,519.75	102.66	-628.72	637.04	0.00	0.00	0.00
Douglas Creek									
3,628.08	15.48	279.27	3,546.81	103.86	-636.11	644.53	0.00	0.00	0.00
3,700.00	15.48	279.27	3,616.13	106.96	-655.05	663.73	0.00	0.00	0.00
3,800.00	15.48	279.27	3,712.50	111.26	-681.39	690.41	0.00	0.00	0.00

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Database:	EDMDBBW	**Local Co-ordinate Reference:**	Well Foy Fee 5-34D-55
Company:	Linn Operating inc.	**TVD Reference:**	WELL @ 6668.00usft (Original Well Elev)
Project:	Duchesne Co., UT (UT27C)	**MD Reference:**	WELL @ 6668.00usft (Original Well Elev)
Site:	Sec.34-T5S-R5W	**North Reference:**	True
Well:	Foy Fee 5-34D-55	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	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)
Start Drop -1.50									
3,870.77	15.48	279.27	3,780.71	114.30	-700.03	709.30	0.00	0.00	0.00
3,900.00	15.04	279.27	3,808.90	115.54	-707.62	716.99	1.50	-1.50	0.00
4,000.00	13.54	279.27	3,905.81	119.52	-731.98	741.67	1.50	-1.50	0.00
4,100.00	12.04	279.27	4,003.32	123.08	-753.82	763.80	1.50	-1.50	0.00
4,200.00	10.54	279.27	4,101.39	126.24	-773.14	783.38	1.50	-1.50	0.00
Upper Black Shale									
4,249.73	9.79	279.27	4,150.33	127.65	-781.80	792.15	1.50	-1.50	0.00
4,300.00	9.04	279.27	4,199.93	128.98	-789.92	800.38	1.50	-1.50	0.00
4,400.00	7.54	279.27	4,298.88	131.30	-804.14	814.79	1.50	-1.50	0.00
4,500.00	6.04	279.27	4,398.18	133.20	-815.81	826.61	1.50	-1.50	0.00
Castle Peak									
4,548.47	5.31	279.27	4,446.41	133.98	-820.54	831.41	1.50	-1.50	0.00
4,600.00	4.54	279.27	4,497.75	134.69	-824.91	835.83	1.50	-1.50	0.00
4,700.00	3.04	279.27	4,597.53	135.75	-831.43	842.44	1.50	-1.50	0.00
4,800.00	1.54	279.27	4,697.44	136.40	-835.87	846.93	1.50	-1.50	0.00
Start 956.00 hold at 4902.57 MD									
4,902.57	0.00	0.00	4,800.00	136.62	-836.73	847.81	1.50	-1.50	0.00
Uteland Butte									
4,957.59	0.00	0.00	4,855.02	136.62	-836.73	847.81	0.00	0.00	0.00
5,000.00	0.00	0.00	4,897.43	136.62	-836.73	847.81	0.00	0.00	0.00
5,100.00	0.00	0.00	4,997.43	136.62	-836.73	847.81	0.00	0.00	0.00
Wasatch									
5,158.59	0.00	0.00	5,056.02	136.62	-836.73	847.81	0.00	0.00	0.00
5,200.00	0.00	0.00	5,097.43	136.62	-836.73	847.81	0.00	0.00	0.00
5,300.00	0.00	0.00	5,197.43	136.62	-836.73	847.81	0.00	0.00	0.00
5,400.00	0.00	0.00	5,297.43	136.62	-836.73	847.81	0.00	0.00	0.00
5,500.00	0.00	0.00	5,397.43	136.62	-836.73	847.81	0.00	0.00	0.00
5,600.00	0.00	0.00	5,497.43	136.62	-836.73	847.81	0.00	0.00	0.00
5,700.00	0.00	0.00	5,597.43	136.62	-836.73	847.81	0.00	0.00	0.00
5,800.00	0.00	0.00	5,697.43	136.62	-836.73	847.81	0.00	0.00	0.00
Cr4									
5,808.59	0.00	0.00	5,706.02	136.62	-836.73	847.81	0.00	0.00	0.00
TD at 5858.57									
5,858.57	0.00	0.00	5,756.00	136.62	-836.73	847.81	0.00	0.00	0.00

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Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
Foy Fee 5-34D-55 tgt - plan hits target center - Circle (radius 100.00)	0.00	0.00	5,756.00	136.62	-836.73	610,614.234	2,296,889.763	40° 0' 17.888 N	110° 26' 24.432 W

Casing Points

Measured Depth (usft)	Vertical Depth (usft)	Name	Casing Diameter (")	Hole Diameter (")
600.00	600.00	8 5/8" Csg.	8-5/8	12-1/4

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Project:	Duchesne Co., UT (UT27C)	**MD Reference:**	WELL @ 6668.00usft (Original Well Elev)
Site:	Sec.34-T5S-R5W	**North Reference:**	True
Well:	Foy Fee 5-34D-55	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Formations

Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)
615.00	615.00	Green River		-1.35	279.27
1,180.56	1,180.00	GRF Marker		-1.35	279.27
1,795.14	1,784.00	Mahogany		-1.35	279.27
2,846.65	2,804.00	Tgr3		-1.35	279.27
3,628.08	3,562.00	Douglas Creek		-1.35	279.27
4,249.73	4,169.00	Upper Black Shale		-1.35	279.27
4,548.47	4,466.00	Castle Peak		-1.35	279.27
4,957.59	4,875.00	Uteland Butte		-1.35	279.27
5,158.59	5,076.00	Wasatch		-1.35	279.27
5,808.59	5,726.00	Cr4		-1.35	279.27

Plan Annotations

Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates +N/-S (usft)	Local Coordinates +E/-W (usft)	Comment
700.00	700.00	0.00	0.00	Start Build 1.50
1,731.79	1,719.29	22.32	-136.70	Start 2138.98 hold at 1731.79 MD
3,870.77	3,780.71	114.30	-700.03	Start Drop -1.50
4,902.57	4,800.00	136.62	-836.73	Start 956.00 hold at 4902.57 MD
5,858.57	5,756.00	136.62	-836.73	TD at 5858.57

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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: SENW

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
Shawn Hawk
Field Landman

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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 Fee 5-34D-55
Surface: 2124' FNL & 1498' FWL
Target: 1980' FNL & 660' FWL
SENW of Sec. 34, T5S, R5W.

The surface owner or surface owner representative and dirt contractor will be proved 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.

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A Existing Roads

To reach the Linn Operating, Inc. well, Foy Fee 5-34D-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 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 Road to the southwest. Turn left and proceed in a southwesterly direction for approximately 0.1 miles to the beginning of the proposed access. Follow the road flags in a southerly direction for approximately 196 feet to the proposed Foy Fee 3-34D-55, Foy Fee 5-34D-55 and Foy Fee 6-34D-55 location.

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 196 feet to access the Foy Fee 3-34D-55, 5-34D-55 and 6-34D-55.

C Location of Existing Wells

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

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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 form 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 # 43-1221, Sec. 30, T3S, R8W
- Water Permit # 43-1226, 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:

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- 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 back filled.

No chemicals 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.

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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.

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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.

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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.

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.

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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)[1]

Pollutant	Development	Production	Total
NO_x	5.7	8.1	13.8
CO	3.9	7.5	11.4
VOC	1.5	59.1	60.6
SO_2	0.009	0.42	0.429
PM_{10}	2.7	0.78	3.48
$PM_{2.5}$	0.9	0.78	1.68
Benzene	0.03	0.3	0.33
Toluene	0.012	0.606	0.618
Ethylbenzene	0.003	0.582	0.585
Xylene	0.009	0.981	0.99
n-Hexane	0	3.21	3.21
Formaldehyde	0.09	0.489	0.579

[1] Emissions include 3 producing well and associated operations traffic during the year in which the project is developed.

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Returned Unapproved

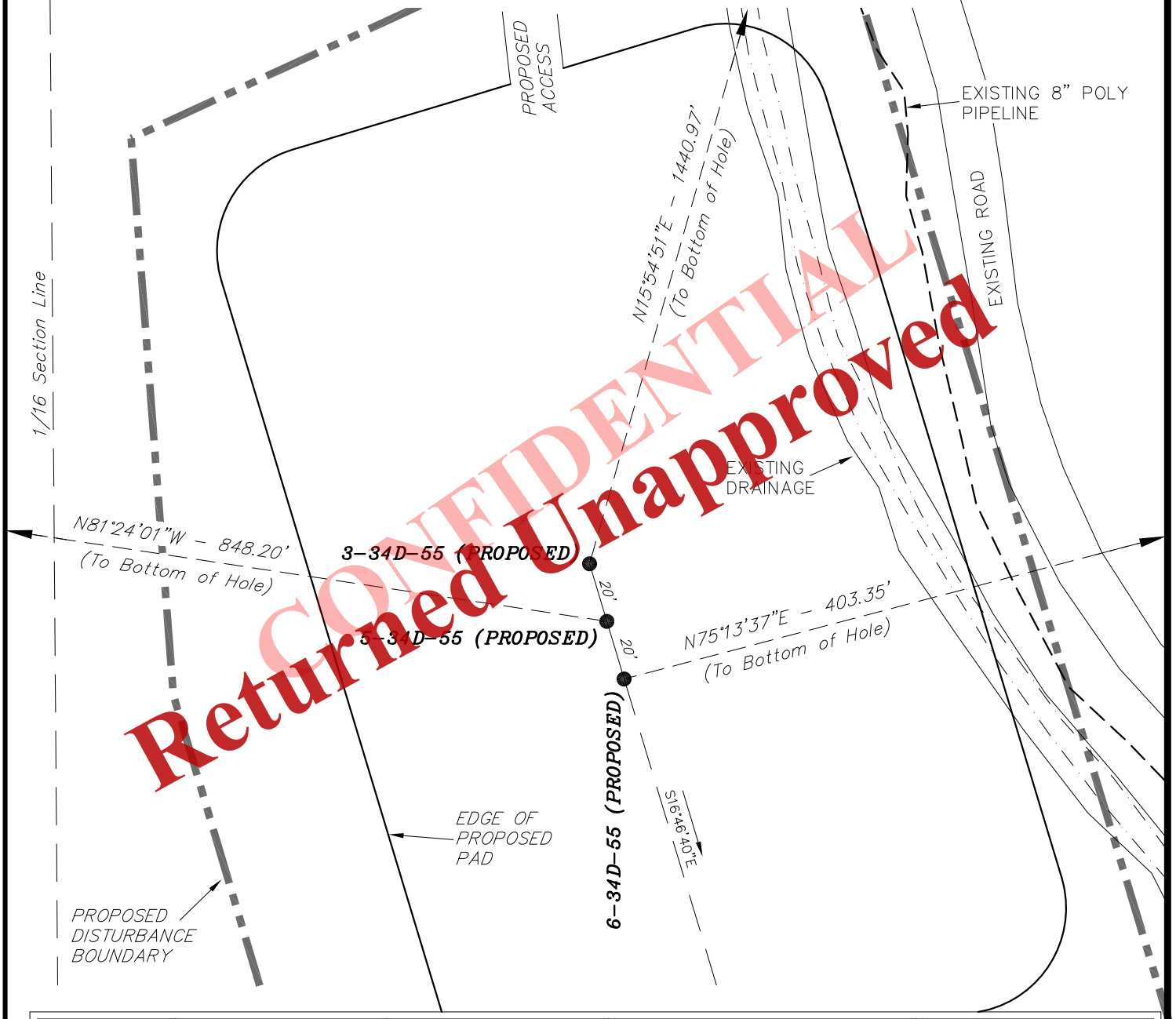
Received: July 25, 2014

LINN Operating, Inc.

WELL PAD INTERFERENCE PLAT

FOY FEE 3–34D–55 (Proposed Well)
FOY FEE 5–34D–55 (Proposed Well)
FOY FEE 6–34D–55 (Proposed Well)

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



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Returned Unapproved

Note: Bearings are based on GPS Observations.	SURFACE WELL HOLE FOOTAGES FROM SECTION LINES	TARGET BOTTOM HOLE FOOTAGES FROM SECTION LINES	SURFACE POSITION LATITUDE & LONGITUDE (NAD 27 DECIMAL DEGREES)		RELATIVE COORDINATES TOP OF HOLE TO BOTTOM OF HOLE	
WELL	SURFACE HOLE	BOTTOM HOLE	LATITUDE	LONGITUDE	NORTH	EAST
3–34D–55	2105' FNL 1492' FWL	728' FNL 1899' FWL	40.004646	110.437153	1386'	395'
5–34D–55	2124' FNL 1498' FWL	1980' FNL 660' FWL	40.004594	110.437133	127'	–839'
6–34D–55	2144' FNL 1503' FWL	2049' FNL 1894' FWL	40.004541	110.437114	103'	390'

SURVEYED BY:	M.C.	DATE SURVEYED:	01–08–14
DRAWN BY:	L.C.S.	DATE DRAWN:	01–13–14
SCALE:	1" = 50'	REVISED:	06–09–14 D.COX

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

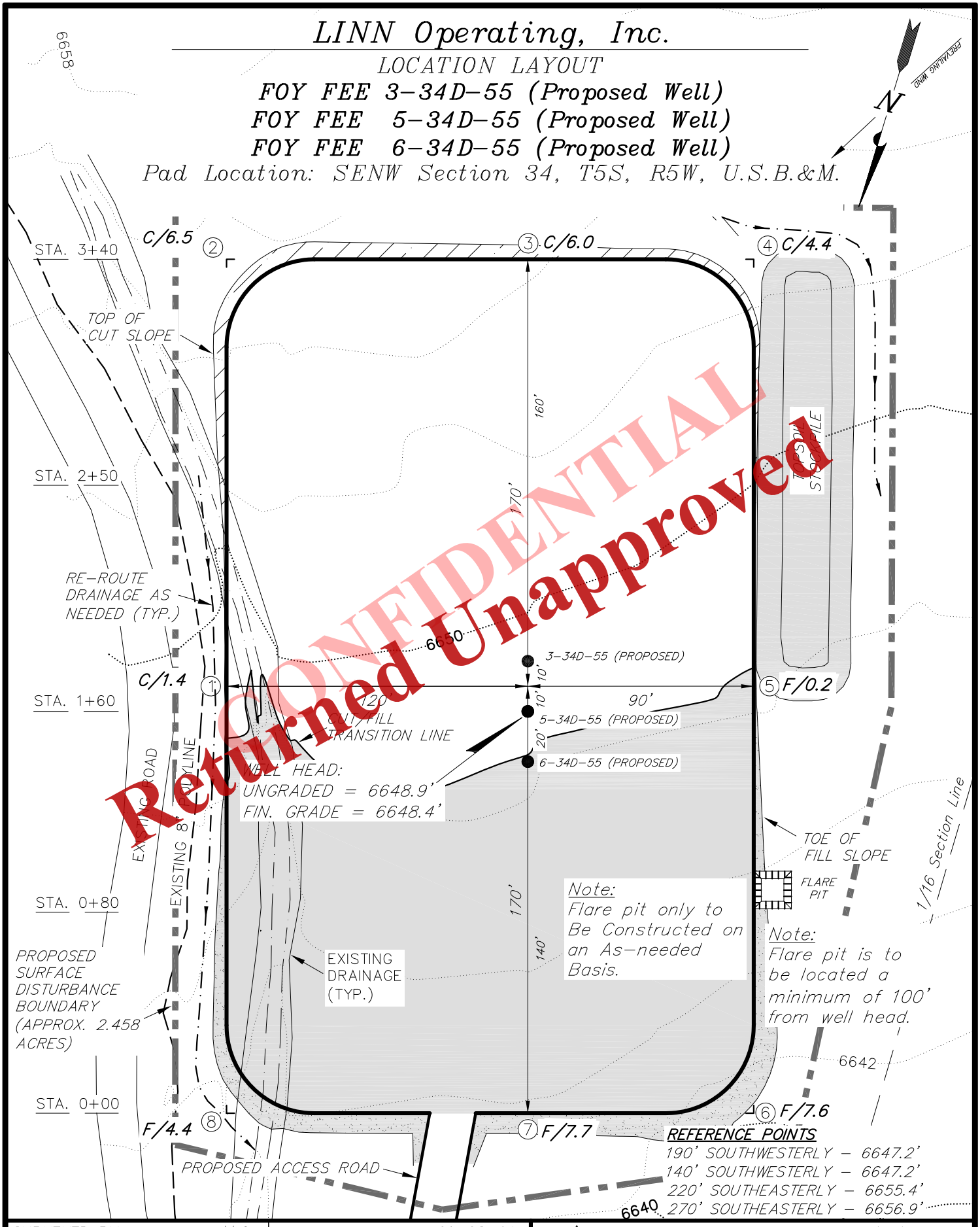
Received: July 25, 2014

LINN Operating, Inc.

LOCATION LAYOUT

FOY FEE 3-34D-55 (Proposed Well)
FOY FEE 5-34D-55 (Proposed Well)
FOY FEE 6-34D-55 (Proposed Well)

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



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SURVEYED BY:	M.C.	DATE SURVEYED:	01-08-14
DRAWN BY:	L.C.S.	DATE DRAWN:	01-13-14
SCALE:	1" = 50'	REVISED:	06-09-14 D.COX

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

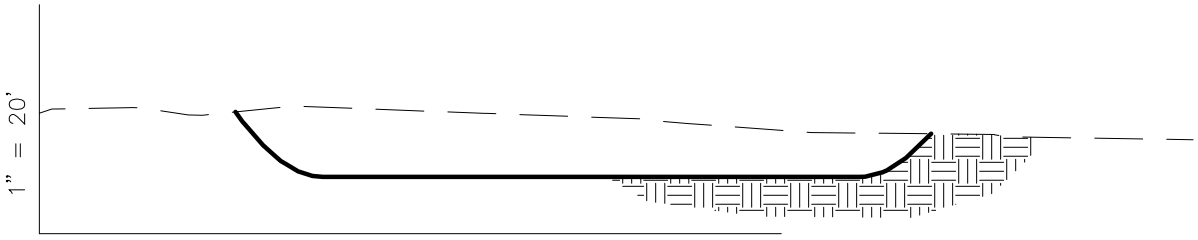
Received: July 25, 2014

LINN Operating, Inc.

CROSS SECTIONS

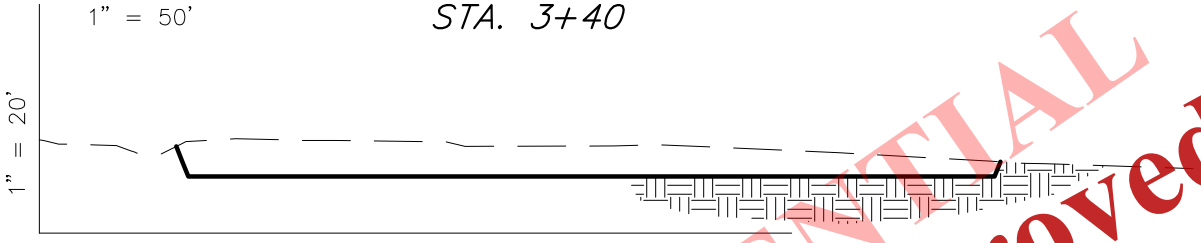
FOY FEE 3-34D-55 (Proposed Well)
FOY FEE 5-34D-55 (Proposed Well)
FOY FEE 6-34D-55 (Proposed Well)

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



1" = 50'

STA. 3+40

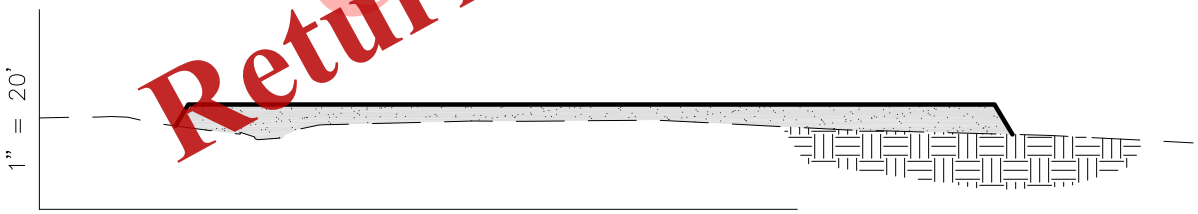


1" = 50'

STA. 2+50

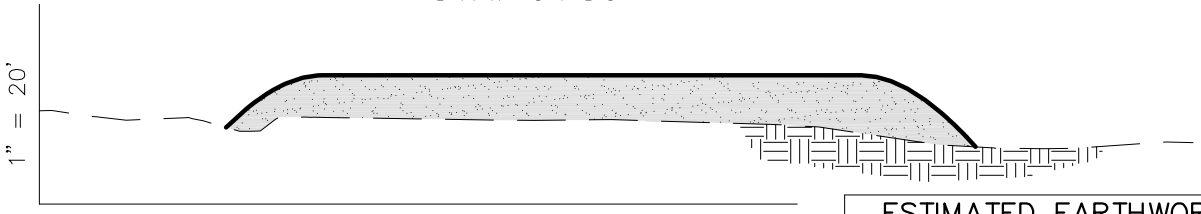
1" = 50'

STA. 1+60



1" = 50'

STA. 0+80



1" = 50'

STA. 0+00

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NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
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	3,720	3,720	Topsoil is not included in Pad Cut	0
PIT	0	0		0
TOTALS	3,720	3,720	1,400	0

SURVEYED BY:	M.C.	DATE SURVEYED:	01-08-14
DRAWN BY:	L.C.S.	DATE DRAWN:	01-13-14
SCALE:	1" = 50'	REVISED:	06-09-14 D.COX

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

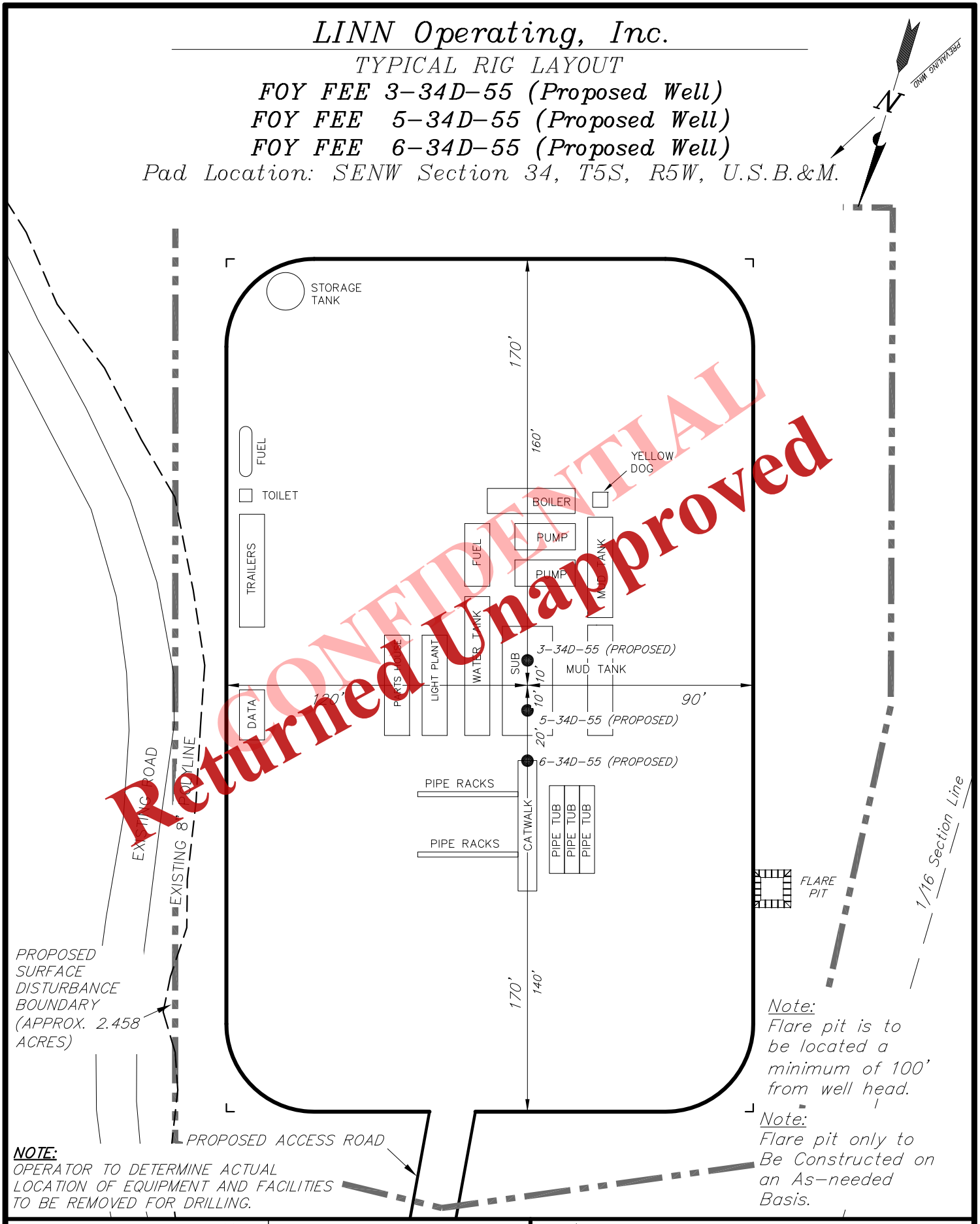
Received: July 25, 2014

LINN Operating, Inc.

TYPICAL RIG LAYOUT

FOY FEE 3-34D-55 (Proposed Well)
FOY FEE 5-34D-55 (Proposed Well)
FOY FEE 6-34D-55 (Proposed Well)

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



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

SURVEYED BY:	M.C.	DATE SURVEYED:	01-08-14
DRAWN BY:	L.C.S.	DATE DRAWN:	01-13-14
SCALE:	1" = 50'	REVISED:	06-09-14 D.COX

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

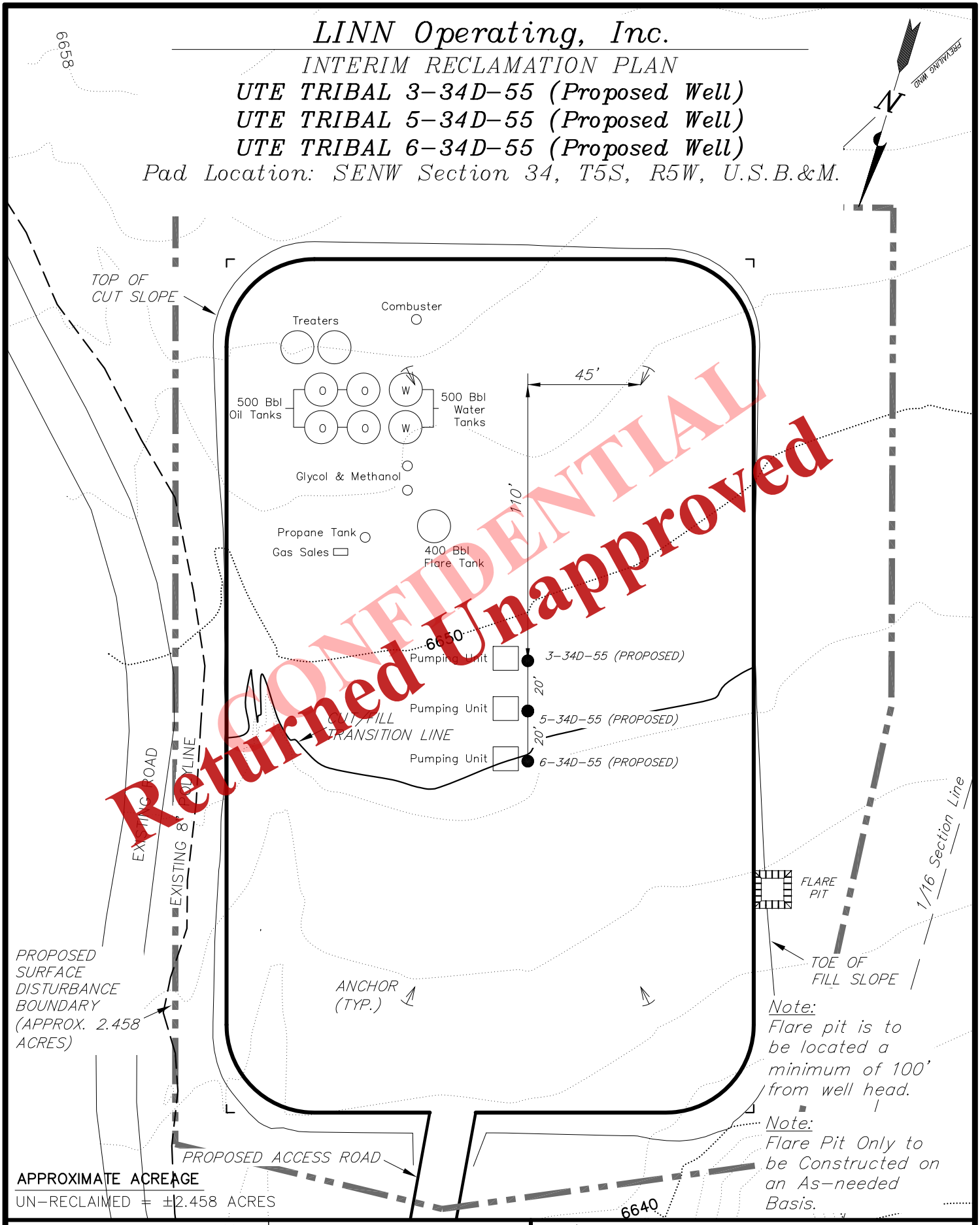
Received: July 25, 2014

LINN Operating, Inc.

INTERIM RECLAMATION PLAN

UTE TRIBAL 3-34D-55 (Proposed Well)
UTE TRIBAL 5-34D-55 (Proposed Well)
UTE TRIBAL 6-34D-55 (Proposed Well)

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



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APPROXIMATE ACREAGE

UN-RECLAIMED = ±2.458 ACRES

SURVEYED BY:	M.C.	DATE SURVEYED:	01-08-14
DRAWN BY:	L.C.S.	DATE DRAWN:	01-13-14
SCALE:	1" = 50'	REVISED:	06-09-14 D.COX

Tri State Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
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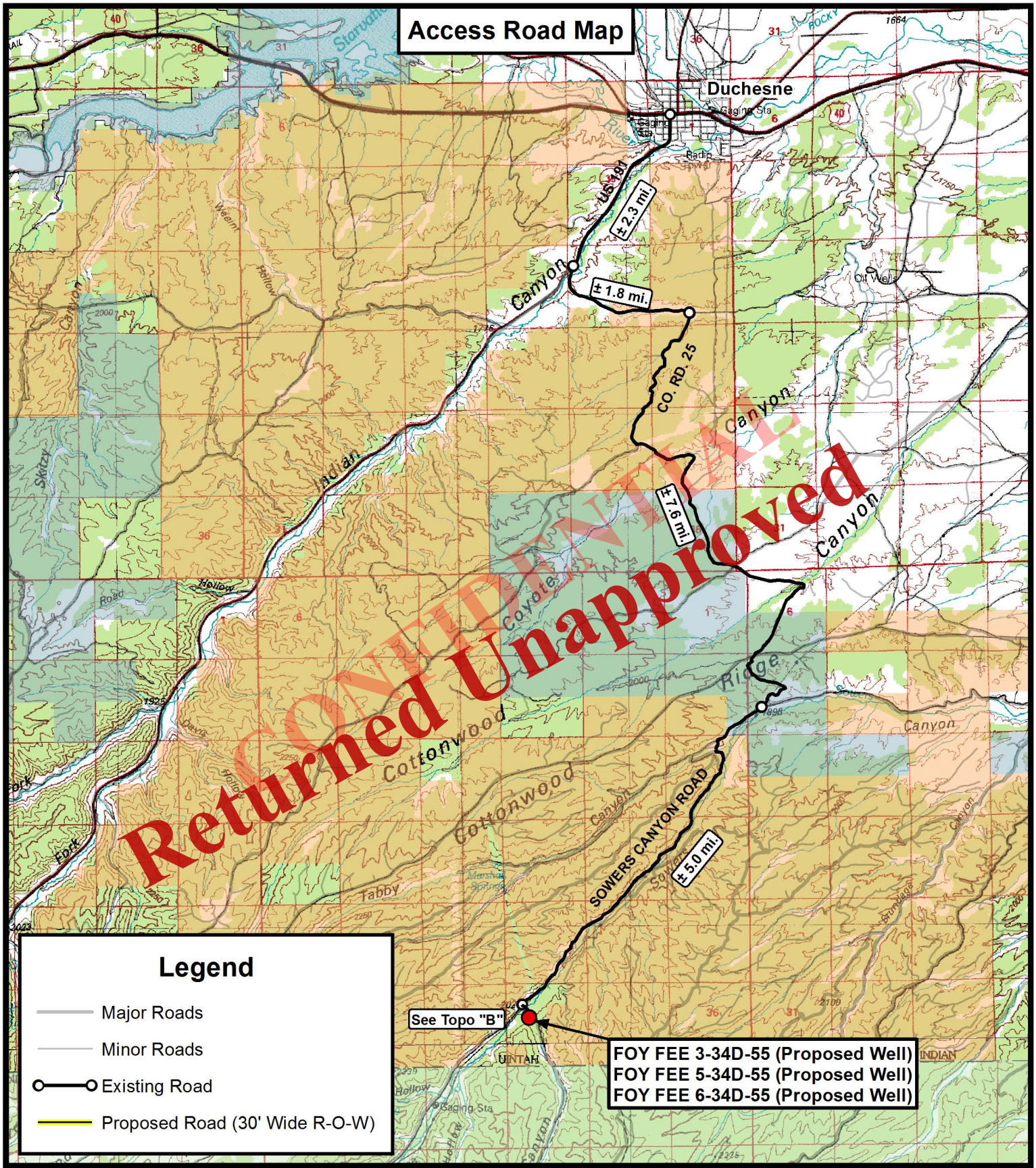
Received: July 25, 2014



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

N

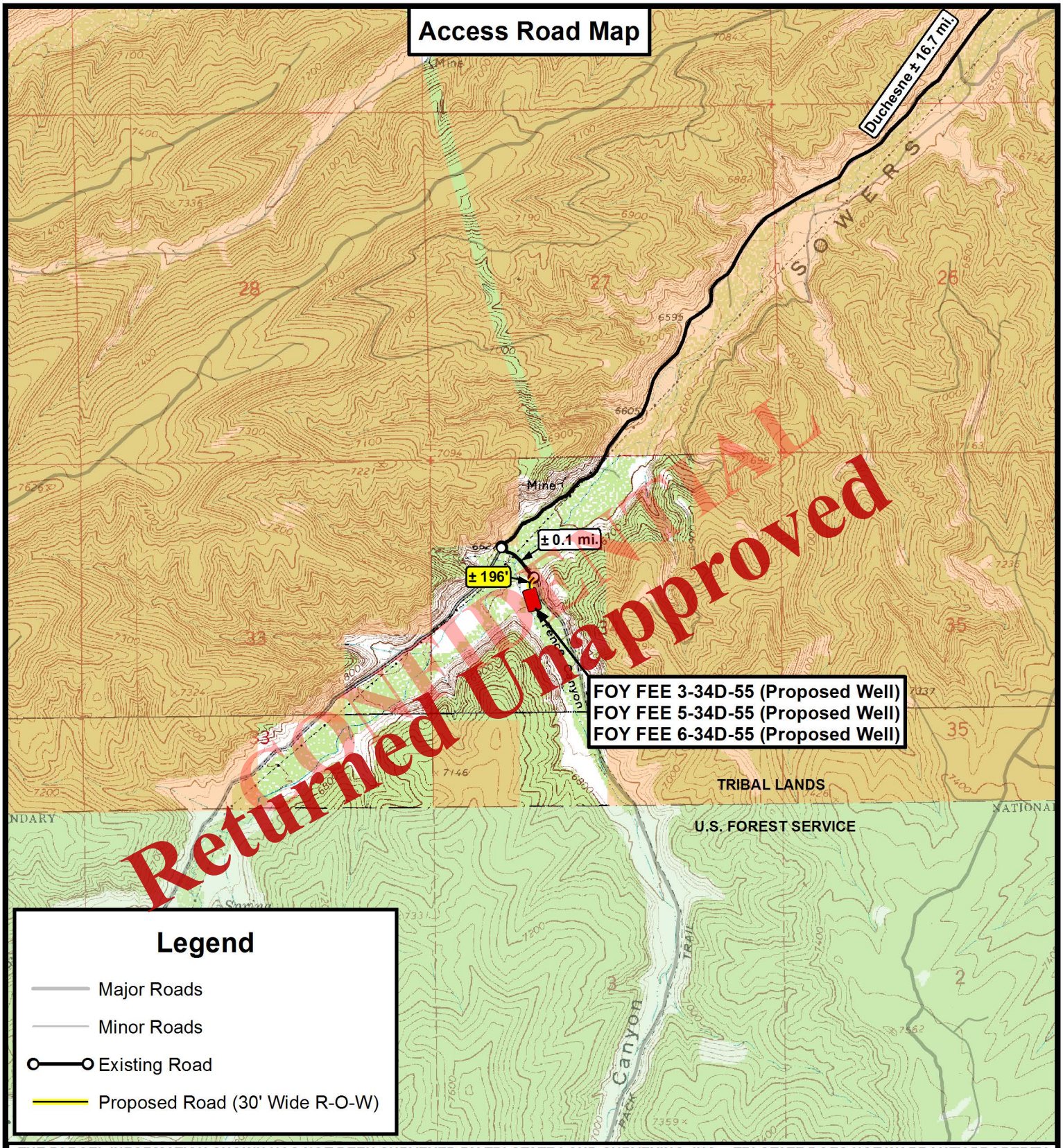
LINN Operating, Inc.
FOY FEE 3-34D-55 (Proposed Well)
FOY FEE 5-34D-55 (Proposed Well)
FOY FEE 6-34D-55 (Proposed Well)
SEC. 34, T5S, R5W, U.S.B.&M. Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED:	06-10-2014 J.A.S.
DATE:	01-22-2014		
SCALE:	1:100,000		

TOPOGRAPHIC MAP

SHEET A

Received: July 25, 2014



Returned Unapproved

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.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

LINN Operating, Inc.

FOY FEE 3-34D-55 (Proposed Well)
FOY FEE 5-34D-55 (Proposed Well)
FOY FEE 6-34D-55 (Proposed Well)
SEC. 34, T5S, R5W, U.S.B.&M. Duchesne County, UT.

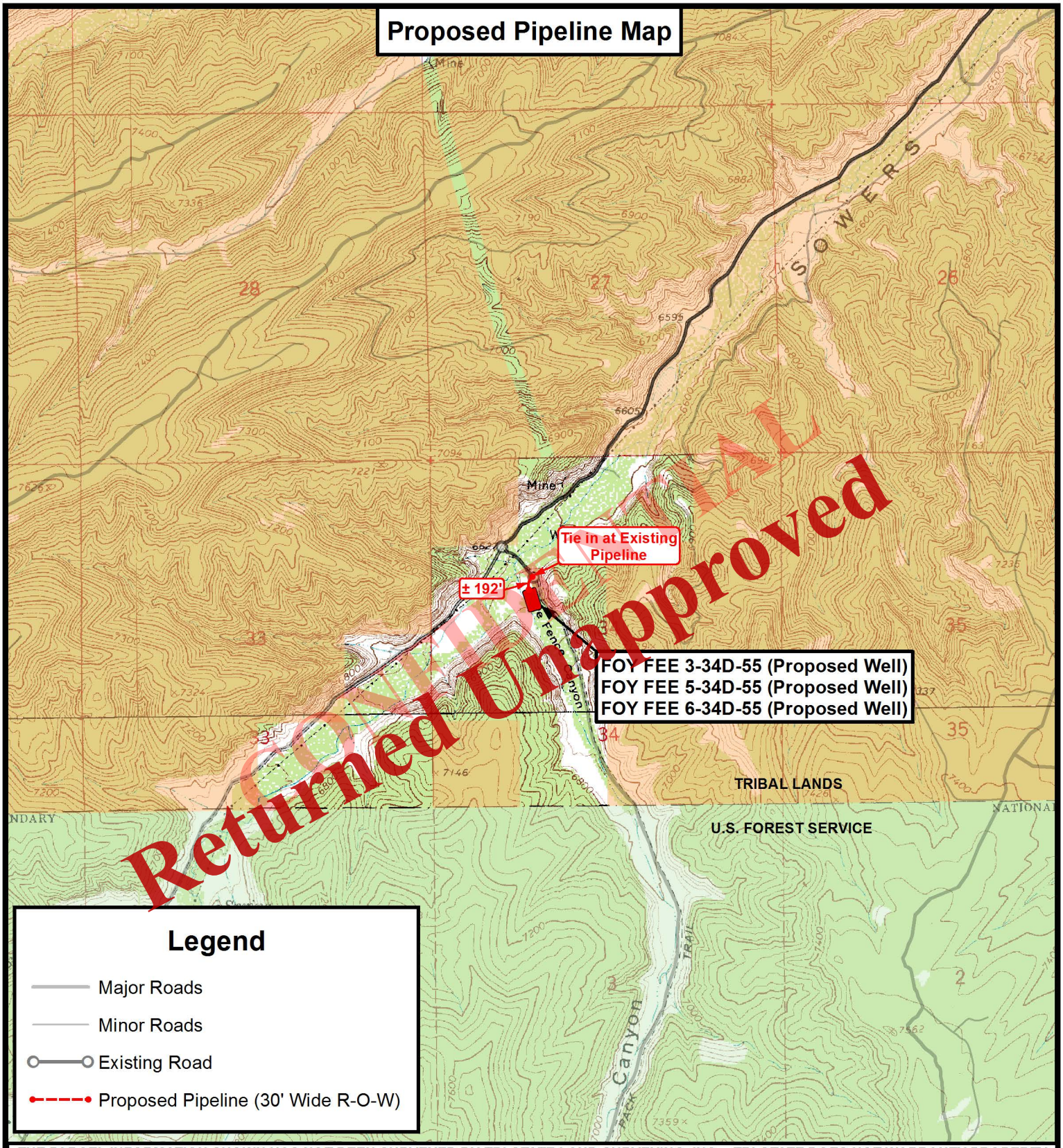
DRAWN BY:	J.A.S.	REVISED:	06-10-2014 J.A.S.
DATE:	01-22-2014		
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET B

Received: July 25, 2014

Proposed Pipeline Map



Returned Unapproved

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.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

LINN Operating, Inc.

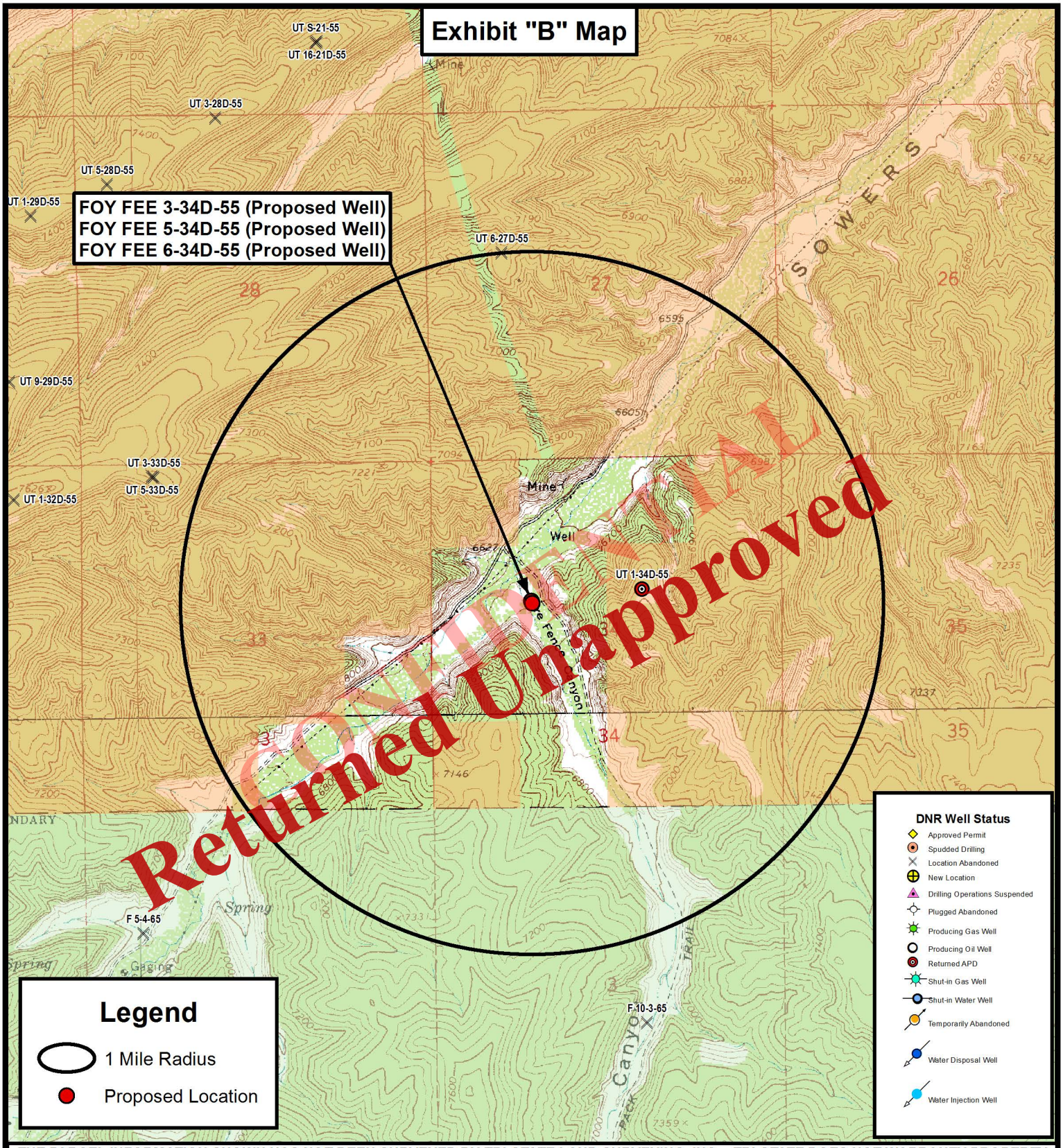
FOY FEE 3-34D-55 (Proposed Well)
FOY FEE 5-34D-55 (Proposed Well)
FOY FEE 6-34D-55 (Proposed Well)
SEC. 34, T5S, R5W, U.S.B.&M. Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED:	06-10-2014 J.A.S.
DATE:	01-22-2014		
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET C

Received: July 25, 2014



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.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
P: (435) 781-2501
F: (435) 781-2518

N

LINN Operating, Inc.

FOY FEE 3-34D-55 (Proposed Well)
FOY FEE 5-34D-55 (Proposed Well)
FOY FEE 6-34D-55 (Proposed Well)
SEC. 34, T5S, R5W, U.S.B.&M. Duchesne County, UT.

DRAWN BY:	J.A.S.	REVISED:	06-10-2014 J.A.S.
DATE:	01-22-2014		
SCALE:	1 " = 2,000 '		

TOPOGRAPHIC MAP

SHEET **D**

Received: July 25, 2014

Location Photos

Center Stake
Looking Northerly

Date Photographed:	01-08-2014
Photographed By :	M. Clements

Access
Looking Westerly

Date Photographed:	01-08-2014
Photographed By :	M. Clements

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Returned Unapproved

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

DRAWN BY:	J.A.S.	REVISED:	06-10-2014 J.A.S.
DATE:	01-22-2014		

LINN Operating, Inc.

FOY FEE 3-34D-55 (Proposed Well)
FOY FEE 5-34D-55 (Proposed Well)
FOY FEE 6-34D-55 (Proposed Well)
SEC. 34, T5S, R5W, U.S.B.&M. Duchesne County, UT.

COLOR PHOTOGRAPHS

SHEET P

Received: July 25, 2014

LINN Operating, Inc.

FOY FEE 3-34D-55 (Proposed Well)

FOY FEE 5-34D-55 (Proposed Well)

FOY FEE 6-34D-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 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE FOY FEE 3-34D-55, 5-34D-55 & 6-34D-55; FOLLOW THE PROPOSED ROAD FLAGS IN A SOUTHERLY DIRECTION APPROXIMATELY 196' TO THE PROPOSED LOCATION.

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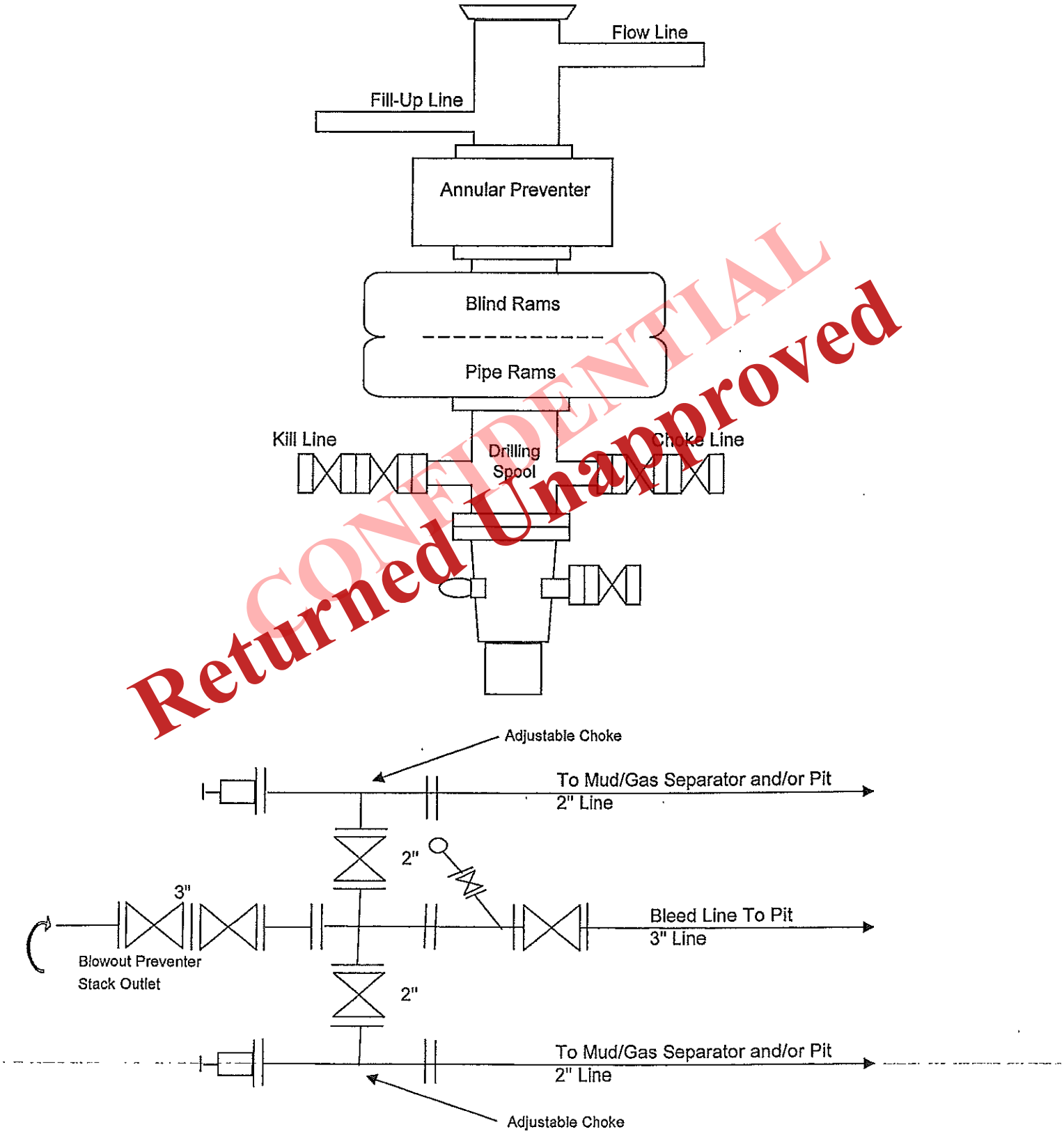
Received: July 25, 2014

SCHEMATIC DIAGRAM OF 3,000 PSI BOP STACK



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Returned Unapproved

Received: July 25, 2014

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.

Foy Fee 3-34D-55
Foy Fee 5-34D-55
Foy Fee 6-34D-55
Foy Fee 12-34D-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 17th day of July, 2014.

Linn Operating, Inc.

By: Krista Wilson

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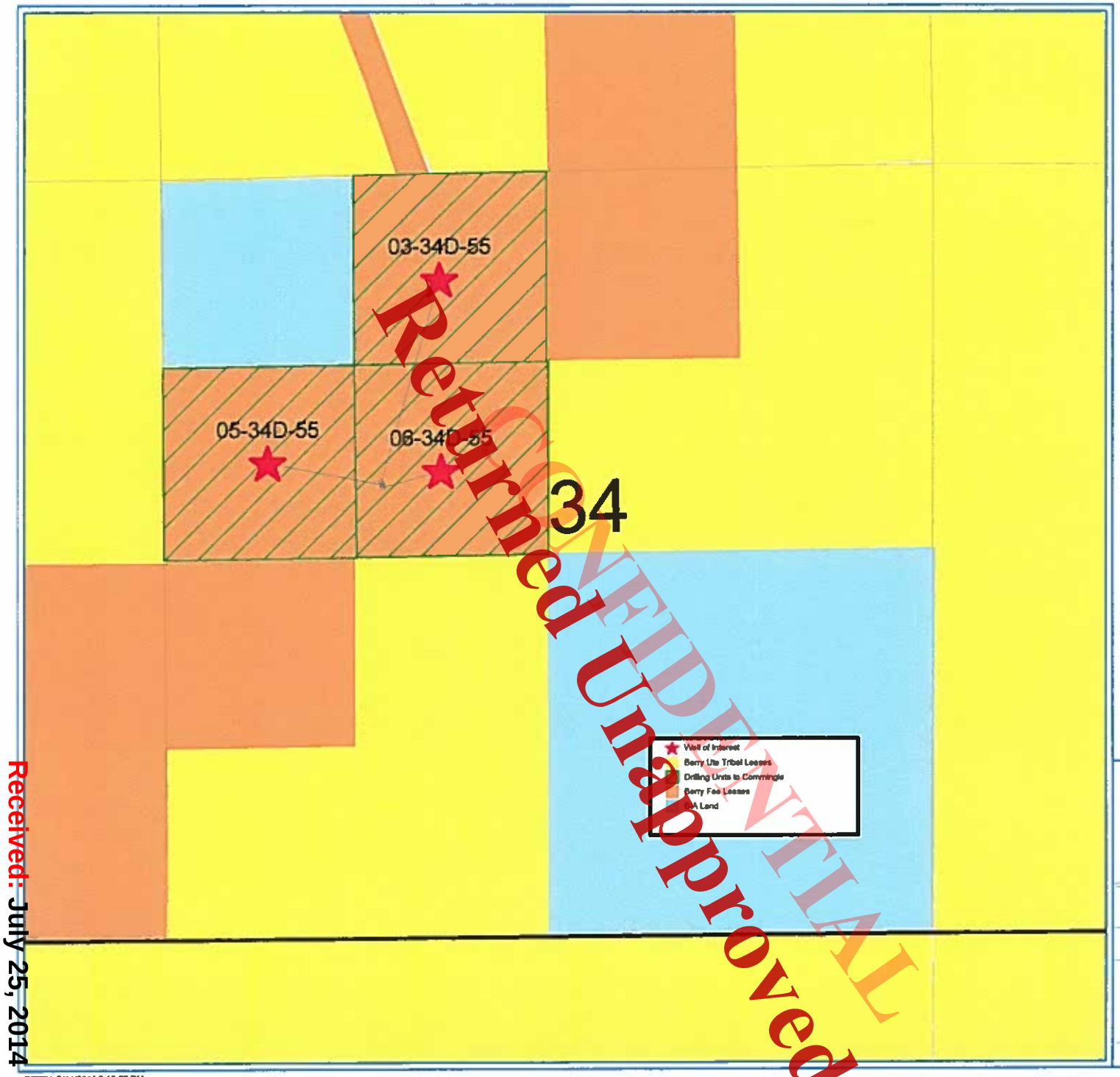
Returned Unapproved

Received: July 25, 2014



LINN Operating, Inc.

Statewide Utah

Commingle Map

0 938 1,876

FEET

July 14, 2014

PETRA 7/14/2014 3:13:52 PM

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CONFIDENTIAL
Received: July 25, 2014

LINN Energy
NASDAQ:LINE
NASDAQ:LNCO

4000 South 4028 West
Route 2 Box 7735
Roosevelt, UT 84066

Phone: (435) 722-1324

July 16, 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 Fee 5-34D-55 — 2124' FNL & 1498' FWL (SENW – SHL)
1980' FNL & 660' FWL (SWNW – BHL)

Section 34, T5S-R5W
Duchesne, County, Utah

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 Fee 5-34D-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

Krista Wilson
Sr. Regulatory & Permitting Technician

CONFIDENTIAL
Returned Unapproved

Received: July 25, 2014

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 Fee 5-34D-55
Section 34, T5S, R5W, U.S.B.& M.
Surface: 2124' FNL & 1498' FWL (SENW)
BHL: 1980' FNL & 660' FWL (SWNW)
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.

7/16/2014
DATE

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

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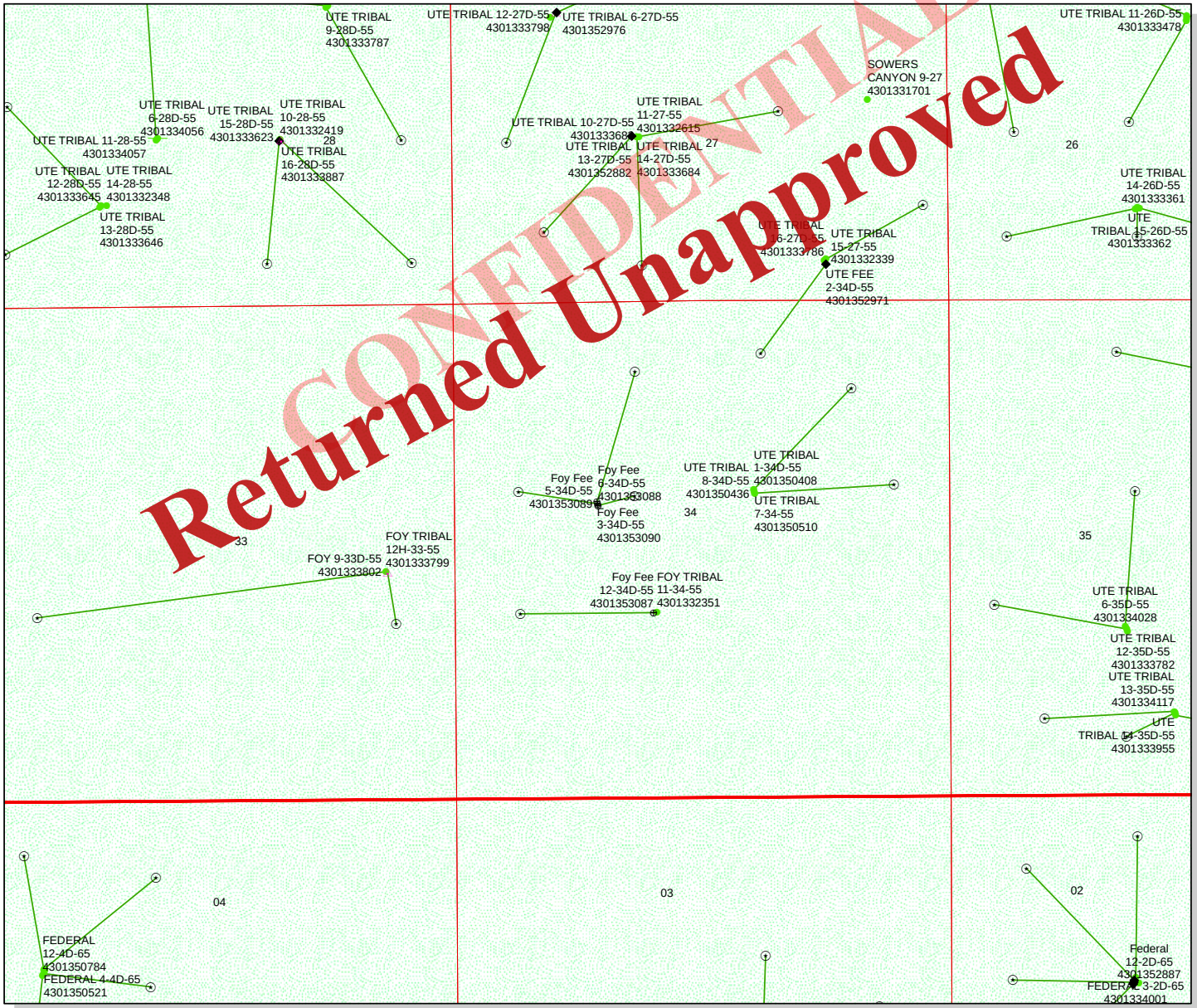
Returned Unapproved

Received: July 25, 2014



API Number: 4301353089

Well Name: Foy Fee 5-34D-55

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

Operator: LINN OPERATING, INC.

Map Prepared: 8/6/2014
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

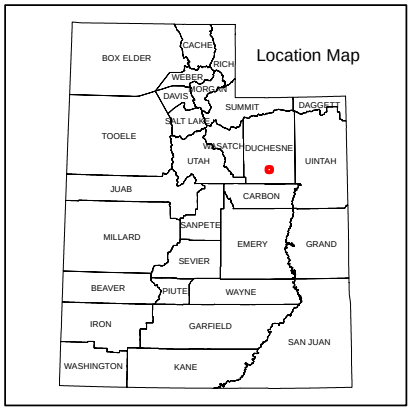
STATUS

- 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



1,300 650 0 1,300 Feet

1:13,153

Received: August 06, 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

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 Fee 5-34D-55 well, API 43013530890000 that was submitted July 25, 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

1594 West North Temple, Suite 1210, 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