API Well Number: 43013508770000

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

FORM 3

AMENDED REPORT ☑

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
Van Tassel 5-17-4-1W

2. TYPE OF WORK
DRILL NEW WELL ◉ REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
UNDESIGNATED

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
NEWFIELD PRODUCTION COMPANY

7. OPERATOR PHONE
435 646-4825

8. ADDRESS OF OPERATOR
Rt 3 Box 3630 , Myton, UT, 84052

9. OPERATOR E-MAIL
mcrozier@newfield.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')
Basin Land & Farm LLC

14. SURFACE OWNER PHONE (if box 12 = 'fee')

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
380 E Main Street, ,

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	1477 FNL 220 FEL	SENE	18	4.0 S	1.0 W	U
Top of Uppermost Producing Zone	1757 FNL 288 FWL	SWNW	17	4.0 S	1.0 W	U
At Total Depth	1980 FNL 660 FWL	SWNW	17	4.0 S	1.0 W	U

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
660

23. NUMBER OF ACRES IN DRILLING UNIT
40

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
1324

26. PROPOSED DEPTH
MD: 7542 TVD: 7542

27. ELEVATION - GROUND LEVEL
5137

28. BOND NUMBER
B001834

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
437478

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 - 500	24.0	J-55 ST&C	8.3	Class G	229	1.17	15.8
PROD	7.875	5.5	0 - 7542	15.5	J-55 LT&C	8.3	Premium Lite High Strength	383	3.26	11.0
							50/50 Poz	363	1.24	14.3

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 Mandie Crozier	**TITLE** Regulatory Tech	**PHONE** 435 646-4825
SIGNATURE	**DATE** 07/07/2011	**EMAIL** mcrozier@newfield.com

API NUMBER ASSIGNED
43013508770000

APPROVAL
Permit Manager

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RECEIVED: August 17, 2011

NEWFIELD PRODUCTION COMPANY
VAN TASSEL 5-17-4-1W
AT SURFACE: SE/NE SECTION 18, T4S, R1W
DUCHESNE COUNTY, UTAH

TEN POINT DRILLING PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**

Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0' – 2,180'
Green River	2,180'
Wasatch	7,190'
Proposed TD	7,542'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**

Green River Formation (Oil) 2,180' – 7,190'

Fresh water may be encountered in the Uinta Formation, but would not be expected below about 350'. All water shows and water bearing geologic units shall be reported to the geologic and engineering staff of the Vernal Office prior to running the next string of casing or before plugging orders are requested. All water shows must be reported within one (1) business day after being encountered.

All usable (<10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected. This information shall be reported to the Vernal Office.

Detected water flows shall be sampled, analyzed, and reported to the geologic & engineering staff of the Vernal Office. The office may request additional water samples for further analysis. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required.

The following information is requested for water shows and samples where applicable:

Location & Sampled Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO_3) (mg/l)
Dissolved Bicarbonate ($NaHCO_3$) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO_4) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

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4. *PROPOSED CASING PROGRAM*

a. Casing Design: Van Tassel 5-17-4-1W

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
Surface casing 8-5/8"	0'	500'	24.0	J-55	STC	2,950 10.52	1,370 8.61	244,000 20.33
Prod casing 5-1/2"	0'	7,542'	15.5	J-55	LTC	4,810 2.00	4,040 1.68	217,000 1.86

Assumptions:
1) Surface casing max anticipated surface press (MASP) = Frac gradient – gas gradient
2) Prod casing MASP (production mode) = Pore pressure – gas gradient
3) All collapse calculations assume fully evacuated casing w/ gas gradient
4) All tension calculations assume air weight

Frac gradient at surface casing shoe = 13.0 ppg
Pore pressure at surface casing shoe = 8.33 ppg
Pore pressure at prod casing shoe = 8.33 ppg
Gas gradient = 0.115 psi/ft

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of 1 (one) centralizer on each of the bottom three (3) joints.

b. Cementing Design: Van Tassel 5-17-4-1W

Job	Fill	Description	Sacks ft^3	OH Excess*	Weight (ppg)	Yield (ft^3/sk)
Surface casing	500'	Class G w/ 2% CaCl	229 268	30%	15.8	1.17
Prod casing Lead	5,542'	Prem Lite II w/ 10% gel + 3% KCl	383 1248	30%	11.0	3.26
Prod casing Tail	2,000'	50/50 Poz w/ 2% gel + 3% KCl	363 451	30%	14.3	1.24

*Actual volume pumped will be 15% over the caliper log
- Compressive strength of lead cement: 1800 psi @ 24 hours, 2250 psi @ 72 hours
- Compressive strength of tail cement: 2500 psi @ 24 hours

Hole Sizes: A 12-1/4" hole will be drilled for the 8-5/8" surface casing. A 7-7/8" hole will be drilled for the 5-1/2" production casing.

The 8-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

5. MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

The operator's minimum specifications for pressure control equipment are as follows:

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An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**

From surface to ±500 feet will be drilled with an air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run and securely anchored. The blooie line is used with a discharge less than 100 ft from the wellbore in order to minimize the well pad size. The blooie line is not equipped with an automatic igniter or continuous pilot light and the compressor is located less than 100 ft from the well bore due to the low possibility of combustion with the air dust mixture. The trailer mounted compressor (capacity of 2000 CFM) has a safety shut-off valve which is located 15 feet from the air rig. A truck with 70 bbls of water is on stand by to be used as kill fluid, if necessary. From about ±500 feet to TD, a fresh water system will be utilized. Clay inhibition and hole stability will be achieved with a KCl substitute additive. This additive will be identified in the APD and reviewed to determine if the reserve pit shall be lined. This fresh water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 8.4 lbs/gal. If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh aquifers.

No chemicals subject to reporting under SARA Title III 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 this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

Newfield Production will **visually** monitor pit levels and flow from the well during drilling operations.

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**

Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**

The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 500' +/-, and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top. No drill stem testing or coring is planned for this well.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure will approximately equal total depth in feet multiplied by a 0.433 psi/foot gradient.

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10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**

It is anticipated that the drilling operations will commence the third quarter of 2011, and take approximately seven (7) days from spud to rig release.

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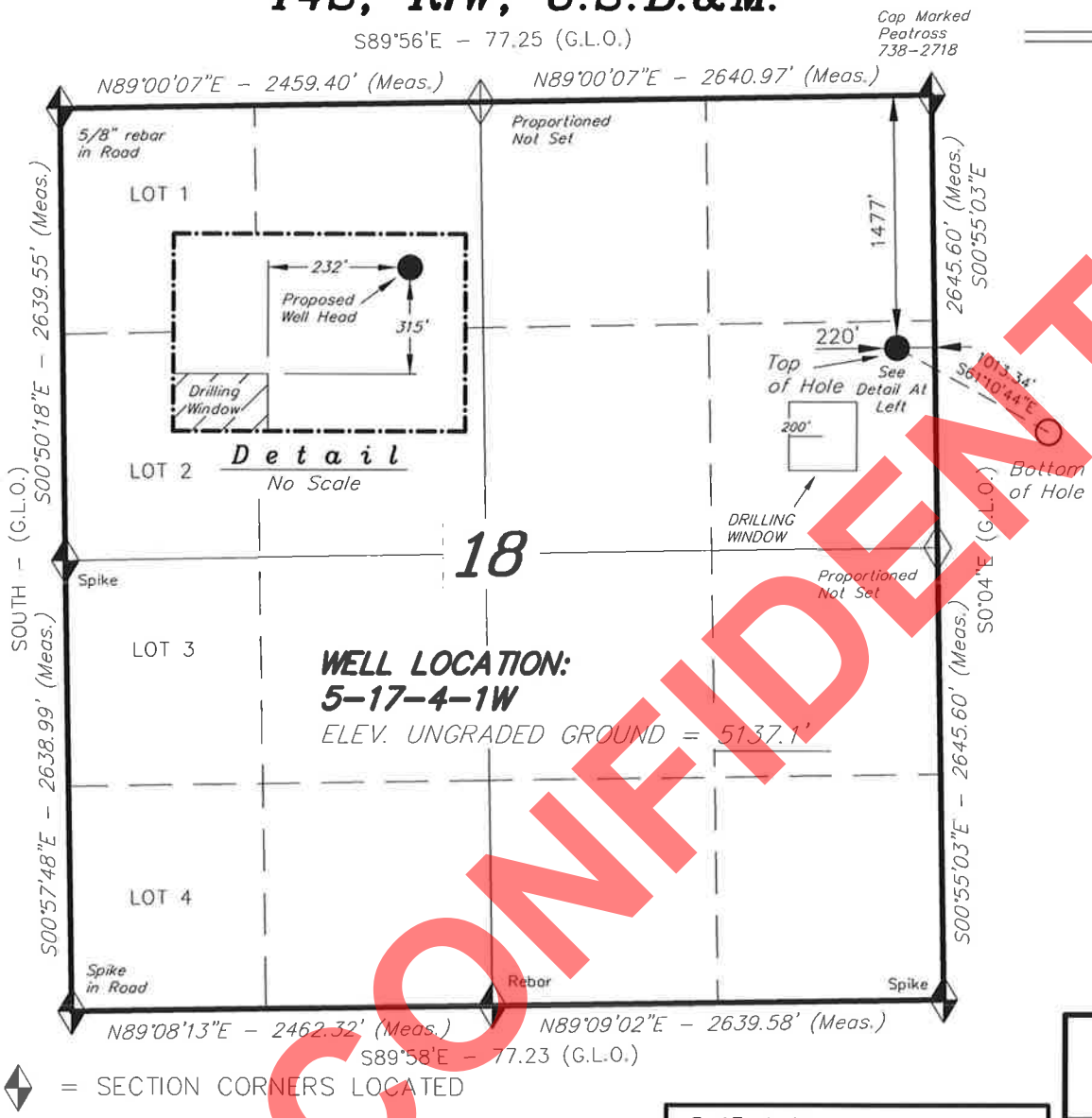
T4S, R1W, U.S.B.&M.



= SECTION CORNERS LOCATED

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

5-17-4-1W
(Surface Location) NAD 83
LATITUDE = 40° 08' 17.63"
LONGITUDE = 110° 01' 50.00"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 5-17-4-1W, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 18, T4S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'
BAR SCALE

N

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

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

REGISTERED LAND SURVEYOR
REGISTRATION No. 189377
STATE OF UTAH

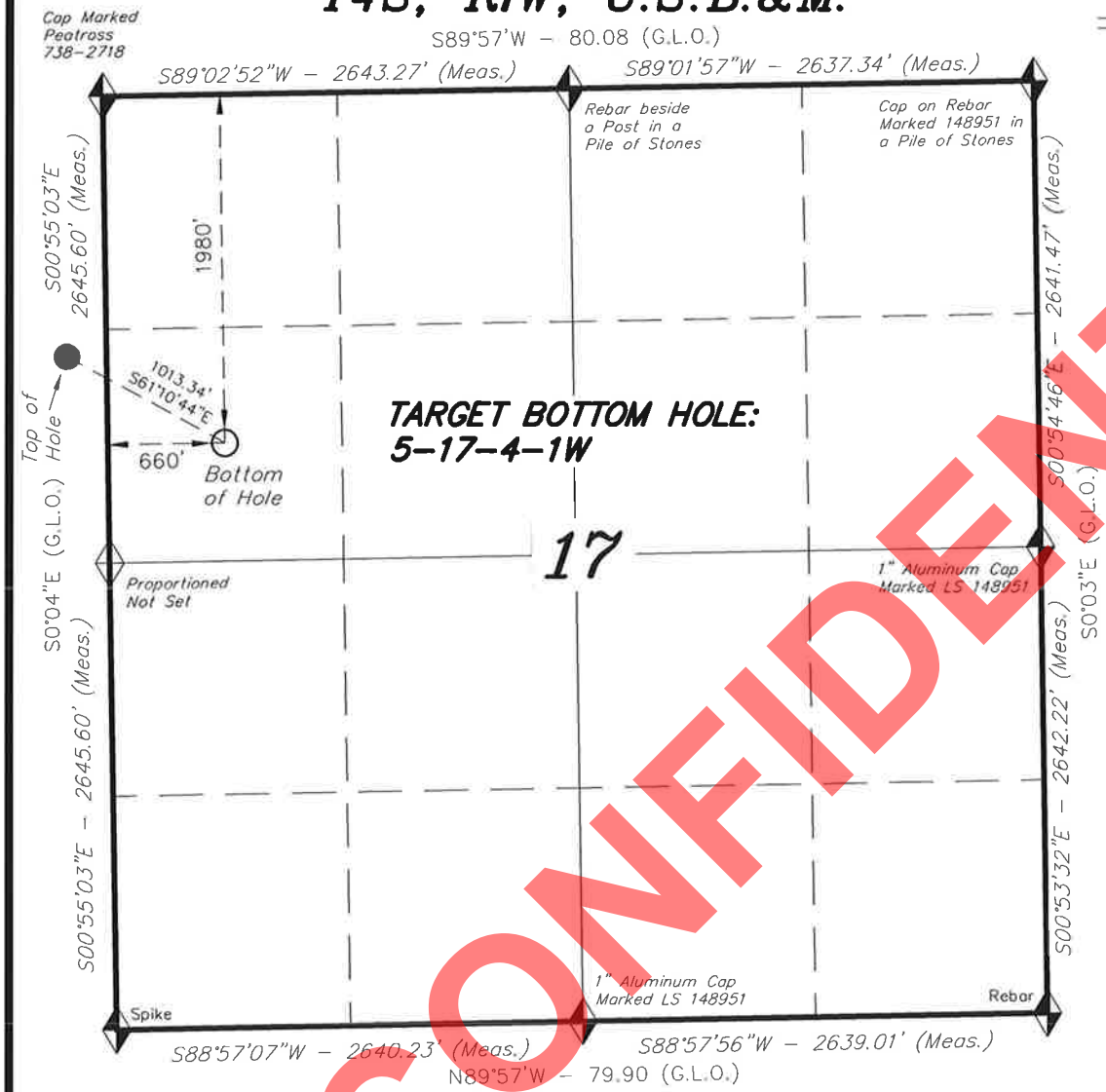
REGISTERED LAND SURVEYOR
No. 189377
06-27-11
STACY W. STEWART
STATE OF UTAH

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

DATE SURVEYED: 06-21-11	SURVEYED BY: S.V.	VERSION:
DATE DRAWN: 06-22-11	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

CONFIDENTIAL

T4S, R1W, U.S.B.&M.



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

NEWFIELD EXPLORATION COMPANY

TARGET BOTTOM HOLE, 5-17-4-1W, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 17, T4S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'
BAR SCALE

N

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

◆ = SECTION CORNERS LOCATED

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 06-27-11 STACY W. STEWART STATE OF UTAH

REGISTERED LAND SURVEYOR
REGISTRATION No. [illegible]
STATE OF UTAH

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

DATE SURVEYED: 06-21-11	SURVEYED BY: S.V.	VERSION:
DATE DRAWN: 06-22-11	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

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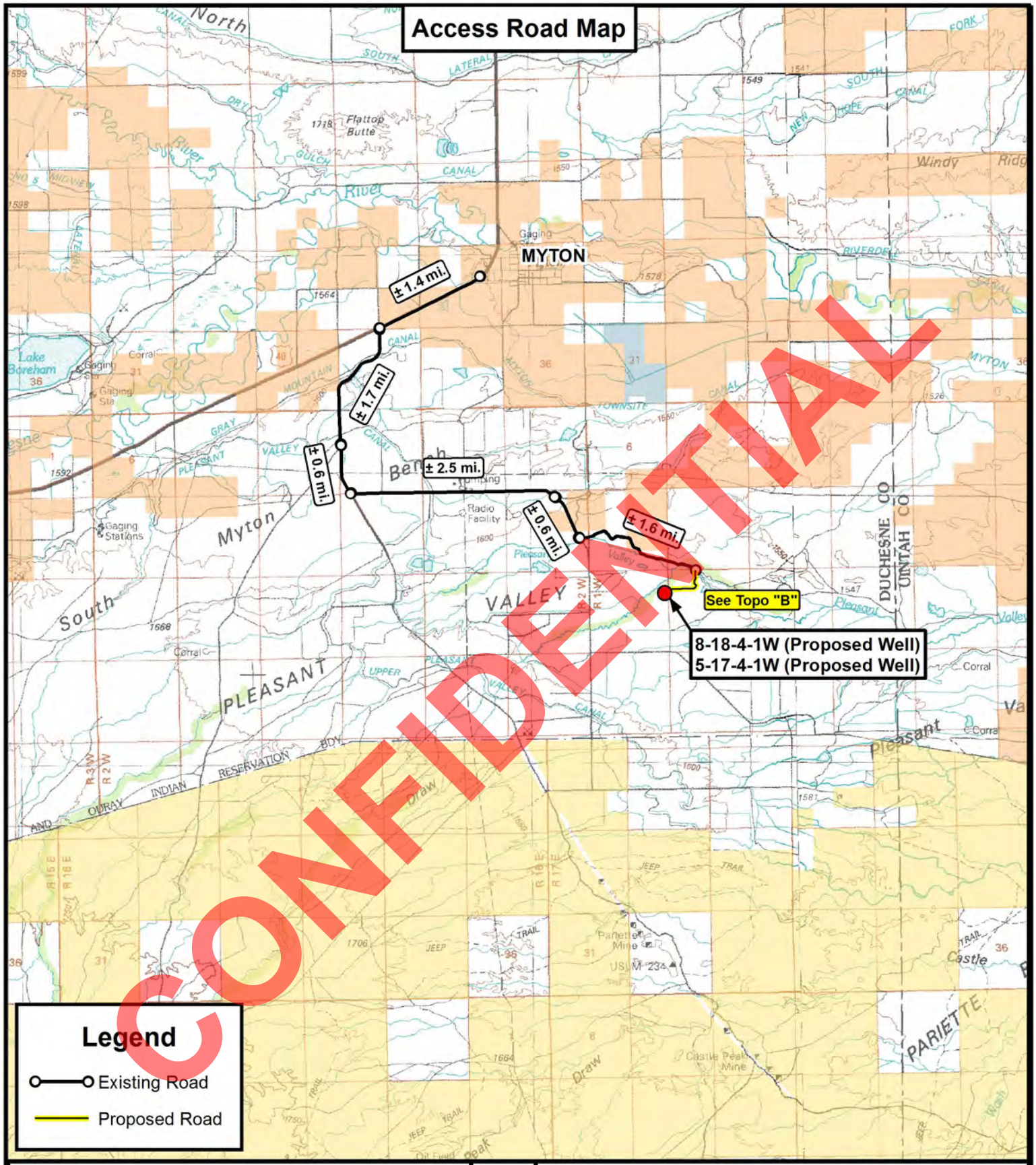
API Well Number: 43013508770000



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

N

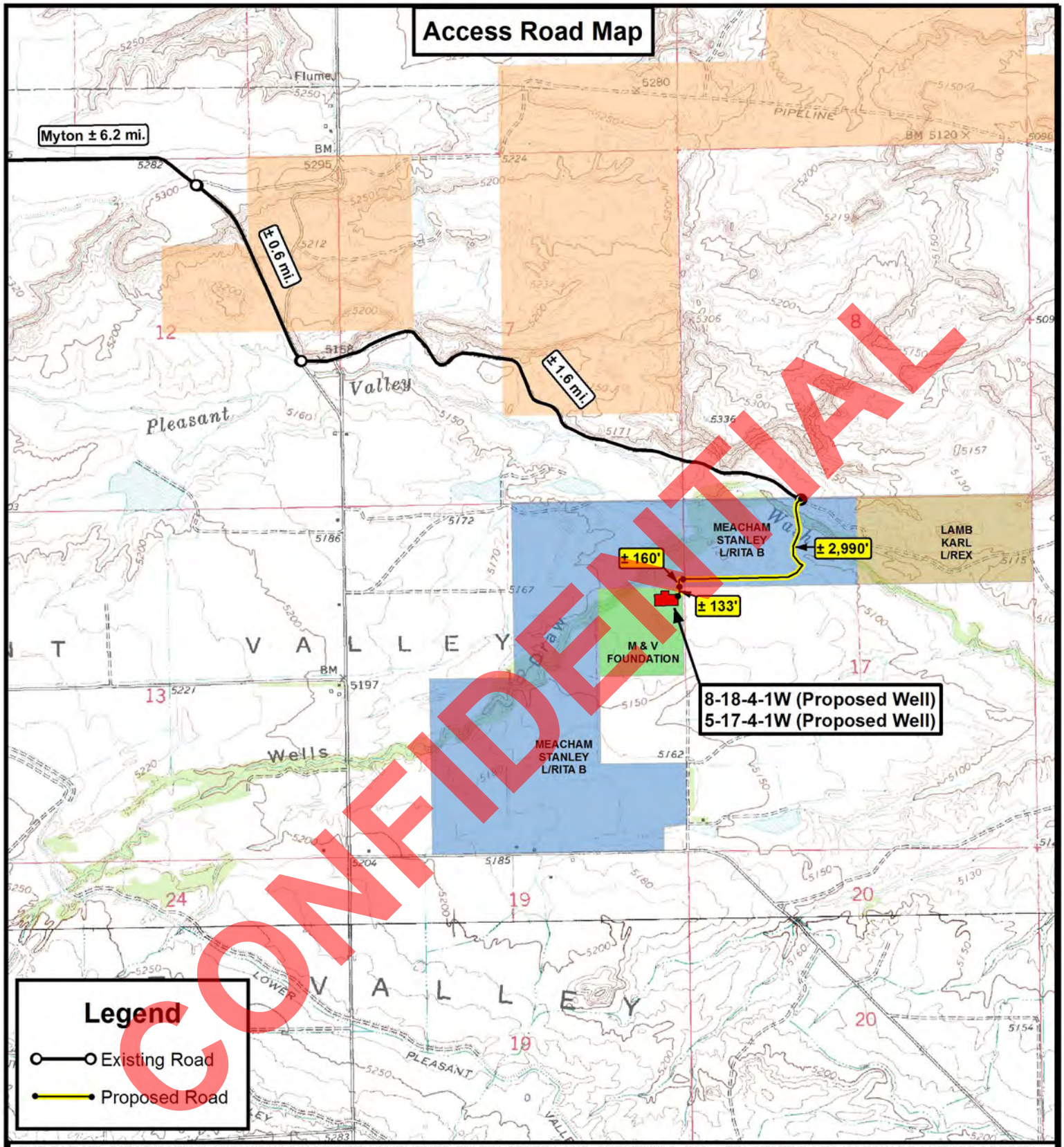
NEWFIELD EXPLORATION COMPANY
8-18-4-1W (Proposed Well)
5-17-4-1W (Proposed Well)
SEC. 18, T4S, R1W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	07-06-2011	VERSION:
DATE:	06-27-2011			V2
SCALE:	1:100,000			

TOPOGRAPHIC MAP

SHEET A

API Well Number: 43013508770000



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

NEWFIELD EXPLORATION COMPANY

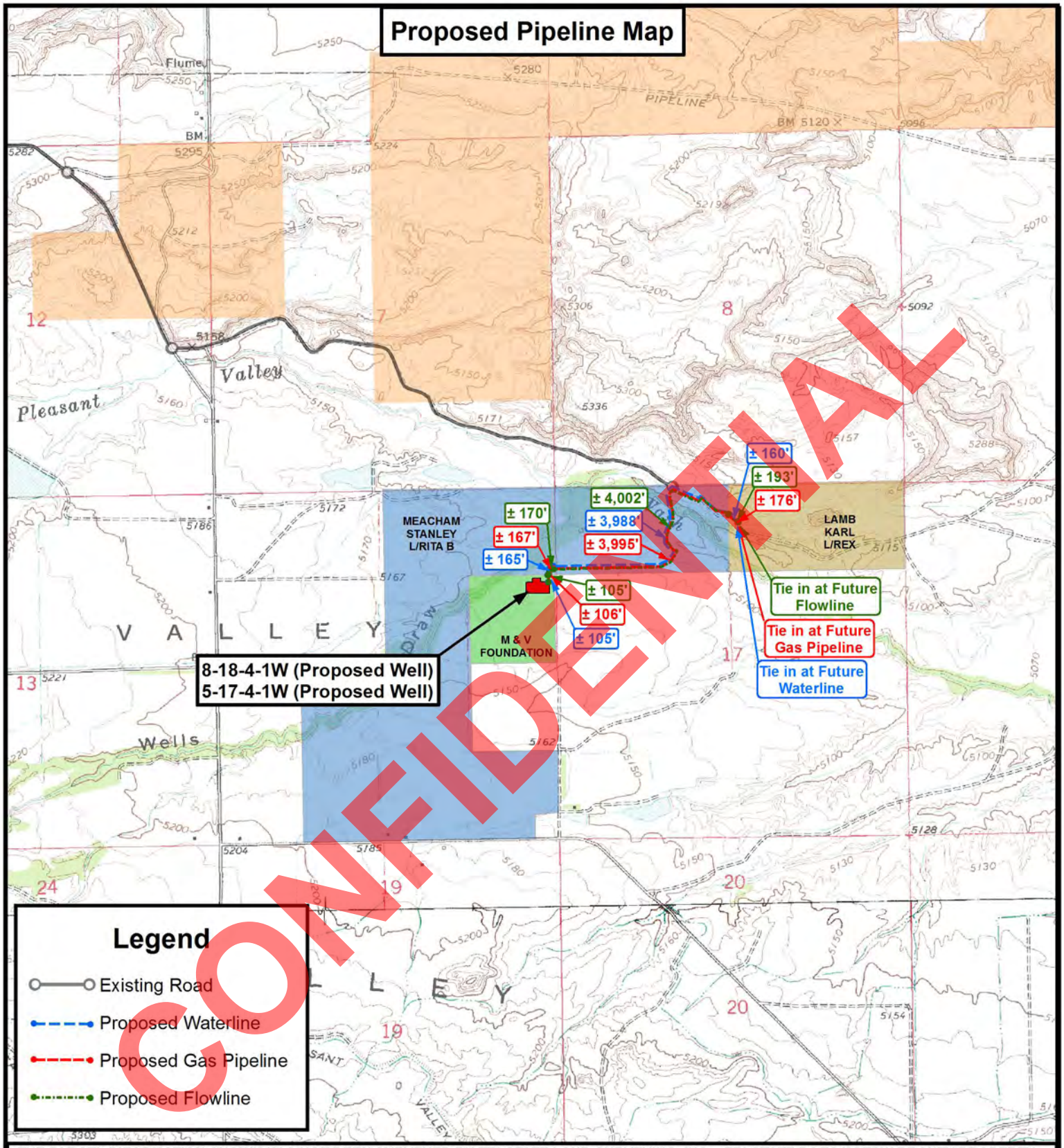
8-18-4-1W (Proposed Well)
5-17-4-1W (Proposed Well)
SEC. 18, T4S, R1W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY: C.H.M.	REVISED: 07-06-2011	VERSION:	
DATE: 06-27-2011		V2	
SCALE: 1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET B

API Well Number: 43013508770000



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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

NEWFIELD EXPLORATION COMPANY

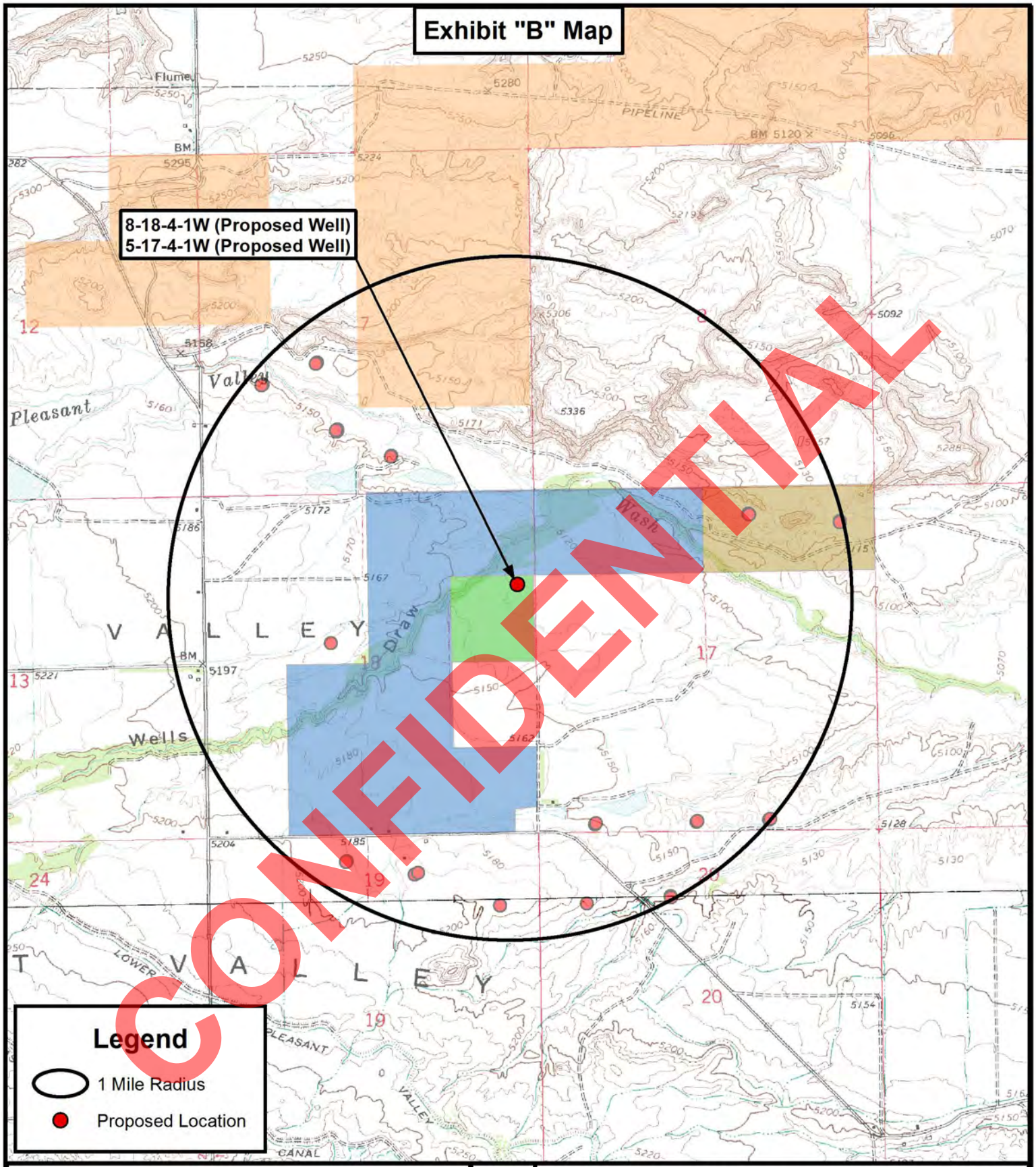
8-18-4-1W (Proposed Well)
5-17-4-1W (Proposed Well)
SEC. 18, T4S, R1W, U.S.B.&M.
Duchesne County, UT.

DRAWN BY:	C.H.M.	REVISED:	07-06-2011	VERSION:
DATE:	06-27-2011			V2
SCALE:	1 " = 2,000 '			

TOPOGRAPHIC MAP

SHEET C

API Well Number: 43013508770000



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

DRAWN BY: C.H.M.	REVISED: 07-06-2011	VERSION:	
DATE: 06-27-2011		V2	
SCALE: 1 " = 2,000 '			

NEWFIELD EXPLORATION COMPANY

8-18-4-1W (Proposed Well)
5-17-4-1W (Proposed Well)
SEC. 18, T4S, R1W, U.S.B.&M.
Duchesne County, UT.

TOPOGRAPHIC MAP

SHEET D

NEWFIELD

NEWFIELD EXPLORATION

USGS Myton SW (UT)
SECTION 18 T4S, R1W
5-17-4-1W

Wellbore #1

Plan: Design #1

Standard Planning Report

05 July, 2011

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PAYZONE DIRECTIONAL

RECEIVED: July 07, 2011

API Well Number: 43013508770000

NEWFIELD

PayZone Directional Services, LLC.

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 5-17-4-1W
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	5-17-4-1W @ 5149.1ft (NEWFIELD RIG)
Project:	USGS Myton SW (UT)	**MD Reference:**	5-17-4-1W @ 5149.1ft (NEWFIELD RIG)
Site:	SECTION 18 T4S, R1W	**North Reference:**	True
Well:	5-17-4-1W	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Project USGS Myton SW (UT), DUCHESNE COUNTY, UT, USA

Map System:	US State Plane 1983	**System Datum:**	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	Utah Central Zone		

Site SECTION 18 T4S, R1W

Site Position:		**Northing:**	7,221,400.00 ft	**Latitude:**	40° 8' 7.617 N
From:	Map	**Easting:**	2,049,000.00 ft	**Longitude:**	110° 2' 18.739 W
Position Uncertainty:	0.0 ft	**Slot Radius:**	"	**Grid Convergence:**	0.94 °

Well 5-17-4-1W, SHL LAT: 40 08 17.63 LONG: -110 01 50.00

Well Position	**+N/-S**	1,013.1 ft	**Northing:**	7,222,449.58 ft	**Latitude:**	40° 8' 17.630 N
	+E/-W	2,232.0 ft	**Easting:**	2,051,215.01 ft	**Longitude:**	110° 1' 50.000 W
Position Uncertainty		0.0 ft	**Wellhead Elevation:**	5,149.1 ft	**Ground Level:**	5,137.1 ft

Wellbore Wellbore #1

Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	2011/07/05	11.31	65.88	52,323

Design Design #1

Audit Notes:

Version:	**Phase:**	PROTOTYPE	**Tie On Depth:**	0.0

Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.0	0.0	0.0	118.82

Plan Sections

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,184.3	8.77	118.82	1,182.1	-21.5	39.1	1.50	1.50	0.00	118.82	
7,541.5	8.77	118.82	7,465.0	-488.5	887.8	0.00	0.00	0.00	0.00	5-17-4-1W TGT

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RECEIVED: July 07, 2011

NEWFIELD

PayZone Directional Services, LLC.

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 5-17-4-1W
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	5-17-4-1W @ 5149.1ft (NEWFIELD RIG)
Project:	USGS Myton SW (UT)	**MD Reference:**	5-17-4-1W @ 5149.1ft (NEWFIELD RIG)
Site:	SECTION 18 T4S, R1W	**North Reference:**	True
Well:	5-17-4-1W	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	0.00	0.00	0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	0.00	0.00	0.00
700.0	1.50	118.82	700.0	-0.6	1.1	1.3	1.50	1.50	0.00
800.0	3.00	118.82	799.9	-2.5	4.6	5.2	1.50	1.50	0.00
900.0	4.50	118.82	899.7	-5.7	10.3	11.8	1.50	1.50	0.00
1,000.0	6.00	118.82	999.3	-10.1	18.3	20.9	1.50	1.50	0.00
1,100.0	7.50	118.82	1,098.6	-15.8	28.6	32.7	1.50	1.50	0.00
1,184.3	8.77	118.82	1,182.1	-21.5	39.1	44.6	1.50	1.50	0.00
1,200.0	8.77	118.82	1,197.5	-22.7	41.2	47.0	0.00	0.00	0.00
1,300.0	8.77	118.82	1,296.4	-30.0	54.5	62.2	0.00	0.00	0.00
1,400.0	8.77	118.82	1,395.2	-37.3	67.9	77.5	0.00	0.00	0.00
1,500.0	8.77	118.82	1,494.0	-44.7	81.2	92.7	0.00	0.00	0.00
1,600.0	8.77	118.82	1,592.9	-52.0	94.6	107.9	0.00	0.00	0.00
1,700.0	8.77	118.82	1,691.7	-59.4	107.9	123.2	0.00	0.00	0.00
1,800.0	8.77	118.82	1,790.5	-66.7	121.3	138.4	0.00	0.00	0.00
1,900.0	8.77	118.82	1,889.4	-74.1	134.6	153.7	0.00	0.00	0.00
2,000.0	8.77	118.82	1,988.2	-81.4	148.0	168.9	0.00	0.00	0.00
2,100.0	8.77	118.82	2,087.0	-88.8	161.3	184.1	0.00	0.00	0.00
2,200.0	8.77	118.82	2,185.9	-96.1	174.7	199.4	0.00	0.00	0.00
2,300.0	8.77	118.82	2,284.7	-103.5	188.0	214.6	0.00	0.00	0.00
2,400.0	8.77	118.82	2,383.5	-110.8	201.4	229.9	0.00	0.00	0.00
2,500.0	8.77	118.82	2,482.4	-118.1	214.7	245.1	0.00	0.00	0.00
2,600.0	8.77	118.82	2,581.2	-125.5	228.1	260.3	0.00	0.00	0.00
2,700.0	8.77	118.82	2,680.0	-132.8	241.4	275.6	0.00	0.00	0.00
2,800.0	8.77	118.82	2,778.9	-140.2	254.8	290.8	0.00	0.00	0.00
2,900.0	8.77	118.82	2,877.7	-147.5	268.1	306.0	0.00	0.00	0.00
3,000.0	8.77	118.82	2,976.5	-154.9	281.5	321.3	0.00	0.00	0.00
3,100.0	8.77	118.82	3,075.4	-162.2	294.8	336.5	0.00	0.00	0.00
3,200.0	8.77	118.82	3,174.2	-169.6	308.2	351.8	0.00	0.00	0.00
3,300.0	8.77	118.82	3,273.0	-176.9	321.5	367.0	0.00	0.00	0.00
3,400.0	8.77	118.82	3,371.8	-184.3	334.9	382.2	0.00	0.00	0.00
3,500.0	8.77	118.82	3,470.7	-191.6	348.2	397.5	0.00	0.00	0.00
3,600.0	8.77	118.82	3,569.5	-199.0	361.6	412.7	0.00	0.00	0.00
3,700.0	8.77	118.82	3,668.3	-206.3	374.9	428.0	0.00	0.00	0.00
3,800.0	8.77	118.82	3,767.2	-213.6	388.3	443.2	0.00	0.00	0.00
3,900.0	8.77	118.82	3,866.0	-221.0	401.6	458.4	0.00	0.00	0.00
4,000.0	8.77	118.82	3,964.8	-228.3	415.0	473.7	0.00	0.00	0.00
4,100.0	8.77	118.82	4,063.7	-235.7	428.4	488.9	0.00	0.00	0.00
4,200.0	8.77	118.82	4,162.5	-243.0	441.7	504.1	0.00	0.00	0.00
4,300.0	8.77	118.82	4,261.3	-250.4	455.1	519.4	0.00	0.00	0.00
4,400.0	8.77	118.82	4,360.2	-257.7	468.4	534.6	0.00	0.00	0.00
4,500.0	8.77	118.82	4,459.0	-265.1	481.8	549.9	0.00	0.00	0.00
4,600.0	8.77	118.82	4,557.8	-272.4	495.1	565.1	0.00	0.00	0.00
4,700.0	8.77	118.82	4,656.7	-279.8	508.5	580.3	0.00	0.00	0.00
4,800.0	8.77	118.82	4,755.5	-287.1	521.8	595.6	0.00	0.00	0.00
4,900.0	8.77	118.82	4,854.3	-294.4	535.2	610.8	0.00	0.00	0.00
5,000.0	8.77	118.82	4,953.2	-301.8	548.5	626.1	0.00	0.00	0.00
5,100.0	8.77	118.82	5,052.0	-309.1	561.9	641.3	0.00	0.00	0.00
5,200.0	8.77	118.82	5,150.8	-316.5	575.2	656.5	0.00	0.00	0.00

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NEWFIELD

PayZone Directional Services, LLC.

Planning Report

PAYZONE DIRECTIONAL

Database:	EDM 2003.21 Single User Db	**Local Co-ordinate Reference:**	Well 5-17-4-1W
Company:	NEWFIELD EXPLORATION	**TVD Reference:**	5-17-4-1W @ 5149.1ft (NEWFIELD RIG)
Project:	USGS Myton SW (UT)	**MD Reference:**	5-17-4-1W @ 5149.1ft (NEWFIELD RIG)
Site:	SECTION 18 T4S, R1W	**North Reference:**	True
Well:	5-17-4-1W	**Survey Calculation Method:**	Minimum Curvature
Wellbore:	Wellbore #1		
Design:	Design #1		

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
5,300.0	8.77	118.82	5,249.7	-323.8	588.6	671.8	0.00	0.00	0.00
5,400.0	8.77	118.82	5,348.5	-331.2	601.9	687.0	0.00	0.00	0.00
5,500.0	8.77	118.82	5,447.3	-338.5	615.3	702.2	0.00	0.00	0.00
5,600.0	8.77	118.82	5,546.2	-345.9	628.6	717.5	0.00	0.00	0.00
5,700.0	8.77	118.82	5,645.0	-353.2	642.0	732.7	0.00	0.00	0.00
5,800.0	8.77	118.82	5,743.8	-360.6	655.3	748.0	0.00	0.00	0.00
5,900.0	8.77	118.82	5,842.7	-367.9	668.7	763.2	0.00	0.00	0.00
6,000.0	8.77	118.82	5,941.5	-375.3	682.0	778.4	0.00	0.00	0.00
6,100.0	8.77	118.82	6,040.3	-382.6	695.4	793.7	0.00	0.00	0.00
6,200.0	8.77	118.82	6,139.1	-389.9	708.7	808.9	0.00	0.00	0.00
6,300.0	8.77	118.82	6,238.0	-397.3	722.1	824.2	0.00	0.00	0.00
6,400.0	8.77	118.82	6,336.8	-404.6	735.4	839.4	0.00	0.00	0.00
6,500.0	8.77	118.82	6,435.6	-412.0	748.8	854.6	0.00	0.00	0.00
6,600.0	8.77	118.82	6,534.5	-419.3	762.1	869.9	0.00	0.00	0.00
6,700.0	8.77	118.82	6,633.3	-426.7	775.5	885.1	0.00	0.00	0.00
6,800.0	8.77	118.82	6,732.1	-434.0	788.8	900.3	0.00	0.00	0.00
6,900.0	8.77	118.82	6,831.0	-441.4	802.2	915.6	0.00	0.00	0.00
7,000.0	8.77	118.82	6,929.8	-448.7	815.5	930.8	0.00	0.00	0.00
7,100.0	8.77	118.82	7,028.6	-456.1	828.9	946.1	0.00	0.00	0.00
7,200.0	8.77	118.82	7,127.5	-463.4	842.2	961.3	0.00	0.00	0.00
7,300.0	8.77	118.82	7,226.3	-470.7	855.6	976.5	0.00	0.00	0.00
7,400.0	8.77	118.82	7,325.1	-478.1	868.9	991.8	0.00	0.00	0.00
7,500.0	8.77	118.82	7,424.0	-485.4	882.3	1,007.0	0.00	0.00	0.00
7,541.5	8.77	118.82	7,465.0	-488.5	887.8	1,013.3	0.00	0.00	0.00

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API Well Number: 43013508770000

NEWFIELD

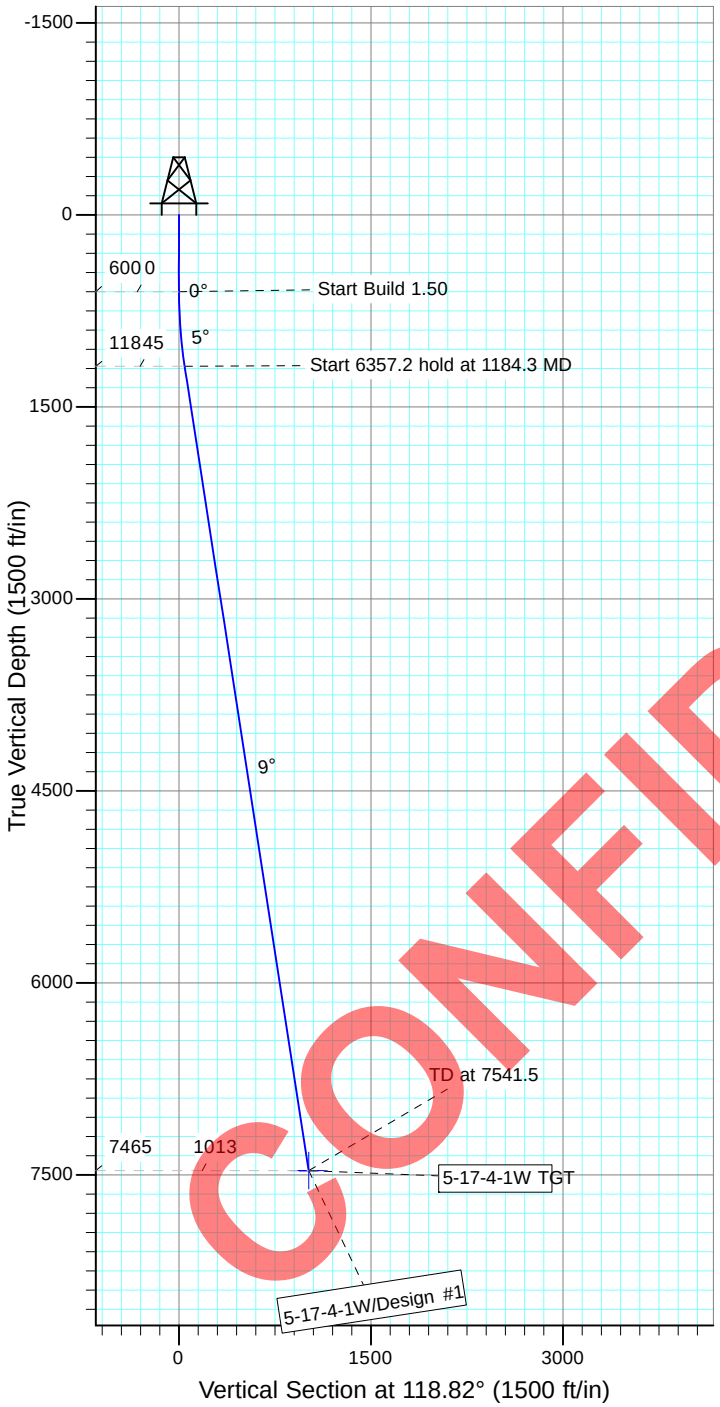
Project: USGS Myton SW (UT)
Site: SECTION 18 T4S, R1W
Well: 5-17-4-1W
Wellbore: Wellbore #1
Design: Design #1

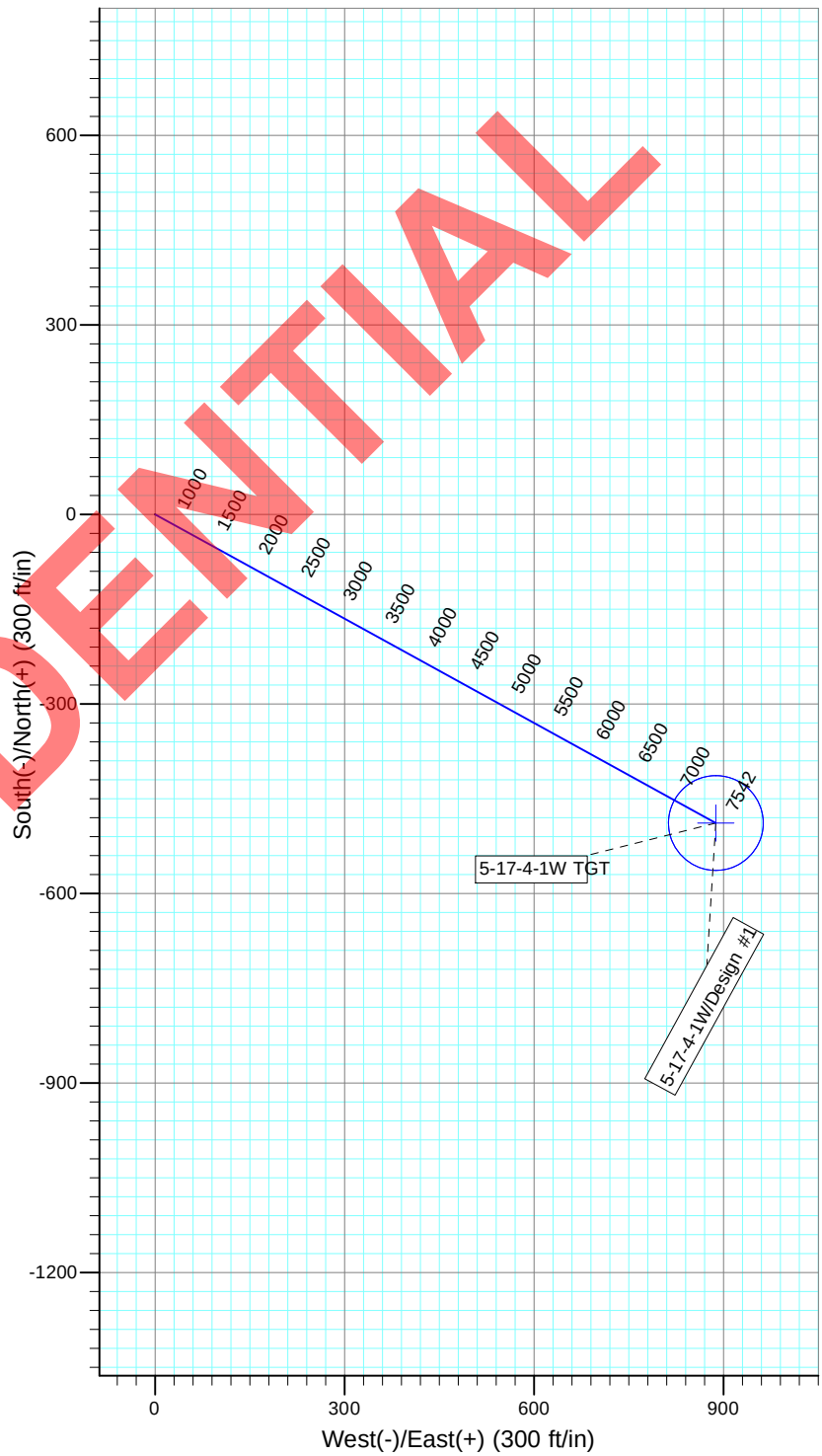
T M

Azimuths to True North
Magnetic North: 11.31°

Magnetic Field
Strength: 52323.2snT
Dip Angle: 65.88°
Date: 2011/07/05
Model: IGRF2010

KOP @ 600'
DOGLEG RATE 1.5 DEG/100
TARGET RADIUS IS 75'





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WELLBORE TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Shape
5-17-4-1W TGT	7465.0	-488.5	887.8	Circle (Radius: 75.0)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	600.0	0.00	0.00	600.0	0.0	0.0	0.00	0.00	0.0	
3	1184.3	8.77	118.82	1182.1	-21.5	39.1	1.50	118.82	44.6	
4	7541.5	8.77	118.82	7465.0	-488.5	887.8	0.00	0.00	1013.3	5-17-4-1W TGT

PAYZONE DIRECTIONAL

AFFIDAVIT OF EASEMENT, RIGHT-OF-WAY AND SURFACE USE AGREEMENT

Roxann Eveland personally appeared before me, being duly sworn, deposes and with respect to State of Utah R649-3-34.7 says:

1. My name is Roxann Eveland. I am a Landman for Newfield Production Company, whose address is 1001 17th Street, Suite 2000, Denver, CO 80202 ("Newfield").

2. Newfield is the Operator of the proposed Van Tassel 5-17-4-1 well, which is proposed to have the surface hole located in the SENE of Section 18, Township 4 South, Range 1 West, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Basin Land & Farm, LLC, whose address is 380 E Main St., Midway, UT 84049 ("Surface Owner").

3. Newfield and the Surface Owner have agreed upon an Easement, Right-of-Way and Surface Use Agreement dated June 21, 2011 covering the Drillsite Location and access to the Drillsite Location.

FURTHER AFFIANT SAYETH NOT.

Roxann Eveland

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ACKNOWLEDGEMENT

STATE OF COLORADO §
§
COUNTY OF DENVER §

Before me, a Notary Public, in and for the State, on this 7th day of July, 2011, personally appeared ROXANN EVELAND, to me known to be the identical person who executed the foregoing instrument, and acknowledged to me that she executed the same as her own free and voluntary act and deed for the uses and purposes therein set forth.

NOTARY PUBLIC

My Commission Expires:

ALAN D. WILD NOTARY PUBLIC STATE OF COLORADO MY COMMISSION EXPIRES 2/17/2015

NEWFIELD PRODUCTION COMPANY
VAN TASSEL 5-17-4-1W
AT SURFACE: SE/NE SECTION 18, T4S, R1W
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**

See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Van Tassel 5-17-4-1W located in the SE¼ NE¼ Section 18, T4S, R1W, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.4 miles to the junction of this highway and UT State Hwy 53; proceed in a southerly direction approximately 2.3 miles to it's junction with an existing road to the east; proceed in a easterly direction approximately 2.5 miles to it's junction with an existing road to the southeast; proceed southeasterly approximately 0.6 miles to it's junction with an existing road to the east; proceed in a southeasterly direction approximately 1.6 miles to it's junction with the beginning of the proposed access road to the south; proceed southerly and then westerly along the proposed access road approximately 3,283' to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the drilling, completion and production phase will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**

Approximately 3,283' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade will be less than 8%.

There will be no culverts required along this access road. There will be barrow ditches and turnouts as needed along this road.

There are no fences encountered along this proposed road. There will be no new gates or cattle guards required.

All construction material for this access road will be borrowed material accumulated during construction of the access road.

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3. **LOCATION OF EXISTING WELLS**

Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to State specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Newfield Production will transport water by truck for drilling purposes from the following water sources:

Johnson Water District
Water Right : 43-10136

Maurice Harvey Pond
Water Right: 47-1358

Neil Moon Pond
Water Right: 43-11787

Newfield Collector Well
Water Right: 47-1817 (A30414DVA, contracted with the Duchesne County Conservancy District).

There will be no water well drilled at this site

6. **SOURCE OF CONSTRUCTION MATERIALS**

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

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (90' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the processed drill cutting (wet sand, shale & rock) removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000

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PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. A 16 mil liner with felt will be required. Newfield requests approval that a flare pit be constructed and utilized on this location.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

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

9. **WELL SITE LAYOUT:**

See attached Location Layout Sheet.

Fencing Requirements

All pits will be fenced according to the following minimum standards:

a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times

d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

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The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**

At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

11. **SURFACE OWNERSHIP:** Basin Land & Farm LLC.
See attached Affidavit of Easement, Right of Way and Surface Use Agreement.

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company requests 3,283' of planned access road to be granted. **Refer to Topographic Map "B".** Newfield Production Company requests 4,338' of surface gas line to be granted. Newfield Production Company requests 4,313' of buried water line to be granted.

It is proposed that the disturbed area will be 60' wide to allow for construction of the proposed access road, a 10" or smaller gas gathering line, a 3" poly fuel gas line, a buried 3" steel water injection line and a buried 3" poly water return line. The planned access road will consist of a 18' permanent running surface (9' either side of the centerline) crowned and ditched in order to handle any run-off from any precipitation events that are prevalent to this area. The maximum grade will be less than 8%. There will be no culverts required along this access road. There will be turnouts as needed along this road to allow for increases in potential traffic issues. There are no fences encountered along this proposed road. There will be no new gates or cattle guards required. All construction material for this access road will be borrowed material accumulated during construction of the access road.

Both the proposed surface gas and buried water lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** The proposed water pipelines will be buried in a 4-5' deep trench constructed with a trencher or backhoe for the length of the proposal. The equipment will run on the surface and not be flat bladed to minimize surface impacts to precious topsoil in these High Desert environments. If possible, all proposed surface gas pipelines will be installed on the same side of the road as existing gas lines. The construction phase of the planned access road, proposed gas lines and proposed water lines will last approximately (5) days.

In the event that the proposed well is converted to a water injection well, a Sundry Notice form will be applied for through the State of Utah DOGM.

Surface Flow Line
Newfield requests 4,365' of surface flow line be granted. The Surface Flow Line will consist of up to a 14" bundled pipe consisting of 2-2" poly glycol lines and 1-3" production line. For all new wells, Newfield. Refer to Topographic Map "C" for the proposed location of the proposed flow line. Flow lines will be tan and will be constructed using the following procedures:

Clearing and Grading: No clearing or grading of the ROW will be required. The centerline of the proposed route will be staked prior to installation. Flow lines shall be placed as close to existing roads as possible without interfering with normal road travel or road maintenance activities. Due to the proximity of existing facilities, no temporary use or construction/storage areas are

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anticipated. If necessary, temporary use or construction/storage areas will be identified on a topographic map included in the approved permit.

Installation: The proposed flow lines will be installed 4-6" above the ground. For portions along existing two-track and primary access roads, lengths of pipe will be strung out in the borrow ditch, welded together, and rolled or dragged into place with heavy equipment. For pipelines that are installed cross-country (not along existing or proposed roads), travel along the lines will be infrequent and for maintenance needs only. No installation activities will be performed during periods when the soil is too wet to adequately support installation equipment. If such equipment creates ruts in excess of three (3) inches deep, the soil will be deemed too wet to adequately support the equipment.

Termination and Final Reclamation: After abandonment of the associated production facilities, the flow lines will be cut and removed, and any incidental surface disturbance reclaimed. Reclamation procedures will follow those outlined in the Castle Peak and Eight Mile Flat Reclamation and Weed Management Plan.

a) Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

b) Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

c) Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Additional Surface Stipulations

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

Hazardous Material Declaration

Newfield Production Company guarantees that during the drilling and completion of the Van Tassel 5-17-4-1W, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Van Tassel 5-17-4-1W Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

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Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The State office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name: Tim Eaton
Address: Newfield Production Company
Route 3, Box 3630
Myton, UT 84052
Telephone: (435) 646-3721

Certification

Please be advised that Newfield Production Company is considered to be the operator of well #5-17-4-1W, SE/NE Section 18, T4S, R1W, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Bond #B001834.
I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Production Company 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 the 18 U.S.C. 1001 for the filing of a false statement.

7/7/11
Date

Mandie Crozier
Digitally signed by Mandie Crozier
DN: cn=Mandie Crozier, o=Newfield Production, ou, email=mcrozier@newfield.com, c=US
Date: 2011.07.07 13:47:18 -06'00'

Mandie Crozier
Regulatory Analyst
Newfield Production Company

CONFIDENTIAL

RECEIVED: July 07, 2011

API Well Number: 43013508770000

2-M SYSTEM

Blowout Prevention Equipment Systems

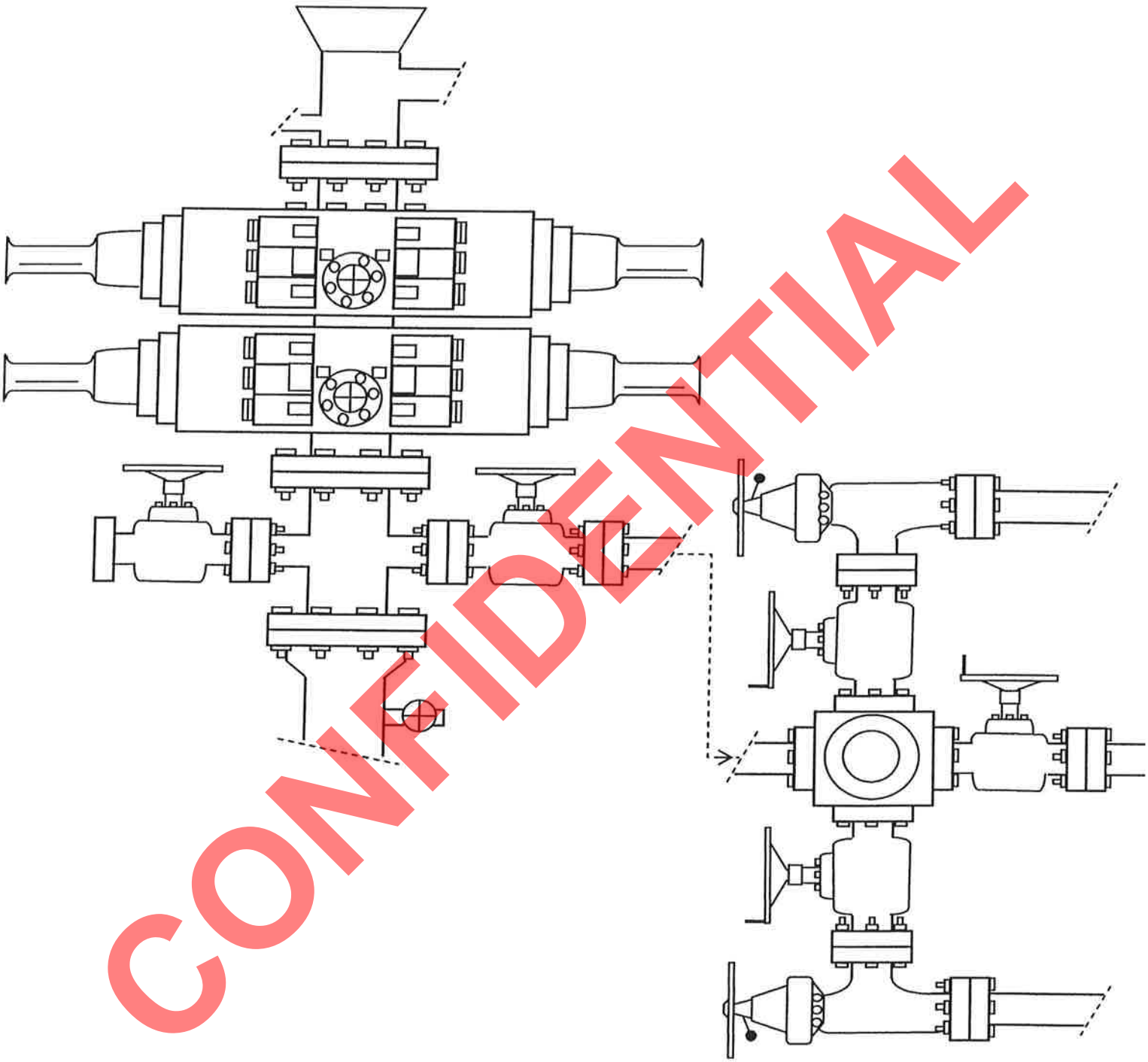

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EXHIBIT C

API Well Number: 43013508770000

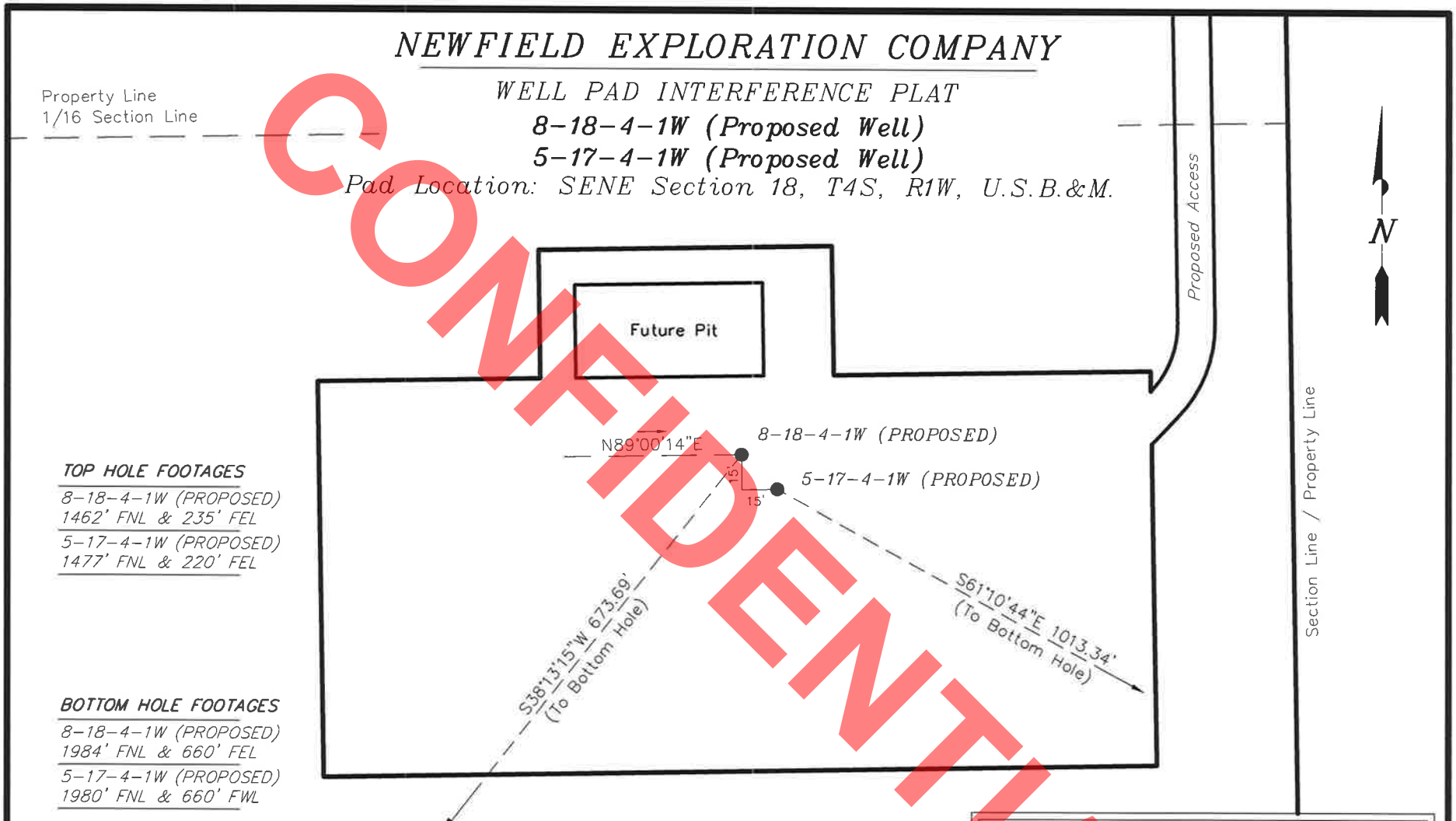
NEWFIELD EXPLORATION COMPANY

WELL PAD INTERFERENCE PLAT

8-18-4-1W (Proposed Well)

5-17-4-1W (Proposed Well)

Pad Location: SENE Section 18, T4S, R1W, U.S.B.&M.



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TOP HOLE FOOTAGES

8-18-4-1W (PROPOSED)
1462' FNL & 235' FEL

5-17-4-1W (PROPOSED)
1477' FNL & 220' FEL

BOTTOM HOLE FOOTAGES

8-18-4-1W (PROPOSED)
1984' FNL & 660' FEL

5-17-4-1W (PROPOSED)
1980' FNL & 660' FWL

LATITUDE & LONGITUDE
Surface position of Wells (NAD 83)

WELL	LATITUDE	LONGITUDE
8-18-4-1W	40° 08' 17.78"	110° 01' 50.19"
5-17-8-18W	40° 08' 17.63"	110° 01' 50.00"

RELATIVE COORDINATES
From Top Hole to Bottom Hole

WELL	NORTH	EAST
8-18-4-1W	-529'	-417'
5-17-4-1W	-489'	888'

SURVEYED BY:	S.V.	DATE SURVEYED:	06-21-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY:	F.T.M.	DATE DRAWN:	06-22-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE:	1" = 60'	REVISED:	F.T.M. 07-06-11		

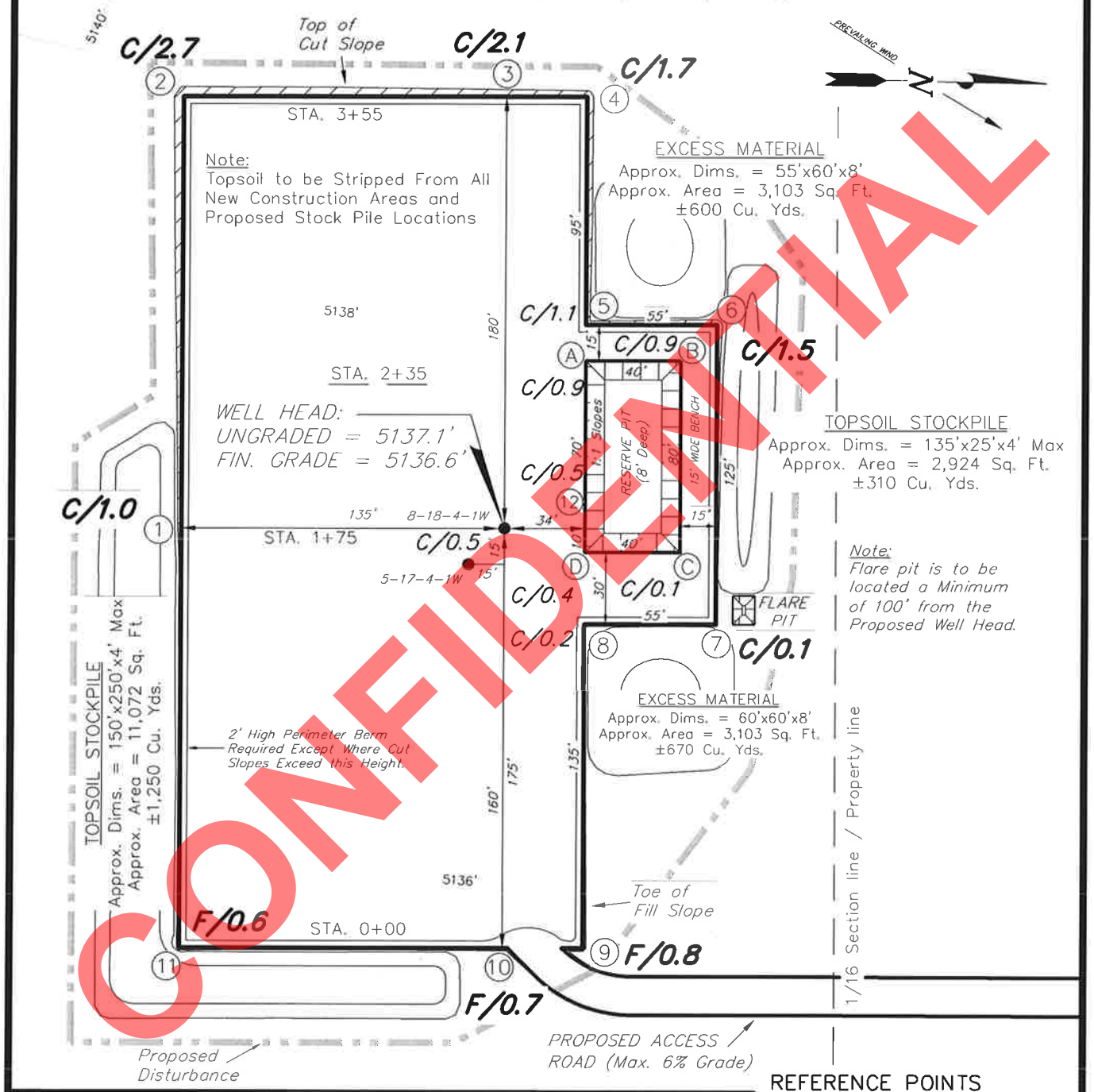
NEWFIELD EXPLORATION COMPANY

PROPOSED LOCATION LAYOUT

8-18-4-1W (Proposed Well)

5-17-4-1W (Proposed Well)

Pad Location: SENE Section 18, T4S, R1W, U.S.B.&M.



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REFERENCE POINTS

185' SOUTHERLY = 5137.3'
235' SOUTHERLY = 5138.1'
230' WESTERLY = 5138.9'
280' WESTERLY = 5139.3'

NOTE:
The topsoil & excess material areas are calculated as being mounds containing 2,820 cubic yards of dirt (a 10% fluff factor is included). The mound areas are calculated with push slopes of 1.5:1 & fall slopes of 1.5:1.

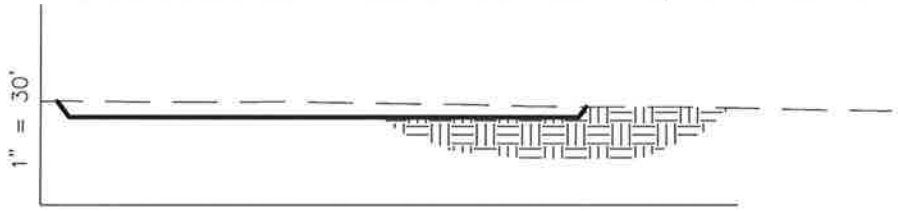
SURVEYED BY:	S.V.	DATE SURVEYED:	06-21-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY:	F.T.M.	DATE DRAWN:	06-22-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE:	1" = 60'	REVISED:	F.T.M. 07-06-11		

NEWFIELD EXPLORATION COMPANY

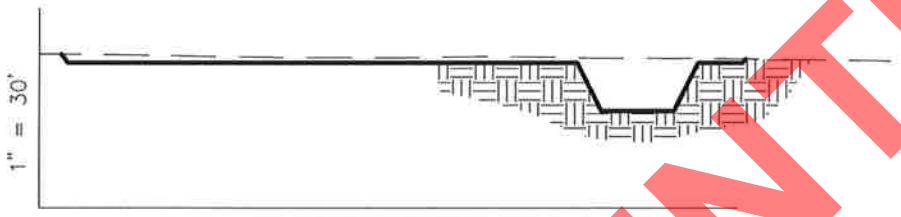
CROSS SECTIONS

8-18-4-1W (Proposed Well)
5-17-4-1W (Proposed Well)

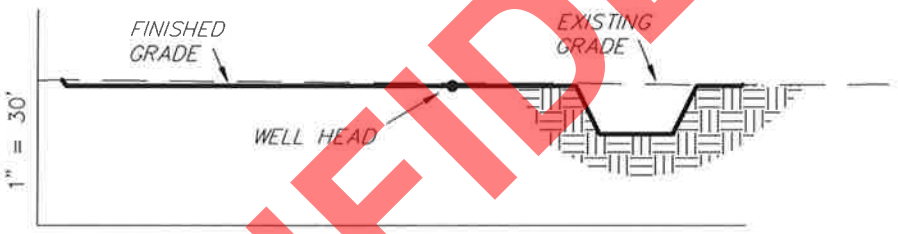
Pad Location: SENE Section 18, T4S, R1W, U.S.B.&M.



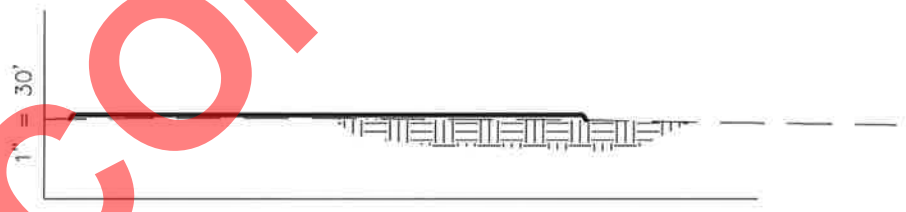
STA. 3+55



STA. 2+35



STA. 1+75



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	1,150	690	Topsoil is not included in Pad Cut Volume	460
PIT	690	0		690
TOTALS	1,840	690	1,420	1,150

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

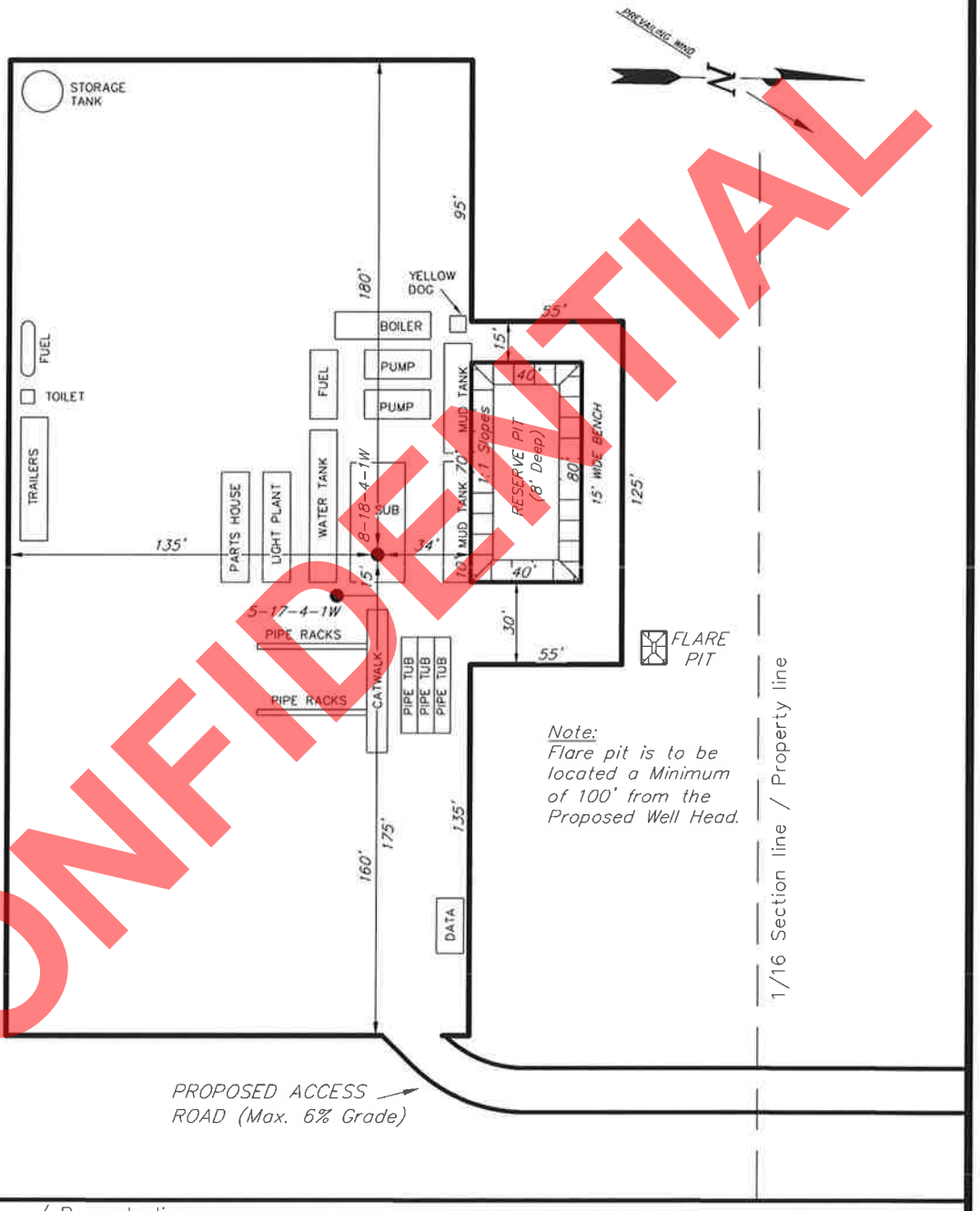
SURVEYED BY: S.V.	DATE SURVEYED: 06-21-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 06-22-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 07-06-11		

NEWFIELD EXPLORATION COMPANY

TYPICAL RIG LAYOUT

8-18-4-1W (Proposed Well)
5-17-4-1W (Proposed Well)

Pad Location: SENE Section 18, T4S, R1W, U.S.B.&M.



Note:
Flare pit is to be located a Minimum of 100' from the Proposed Well Head.

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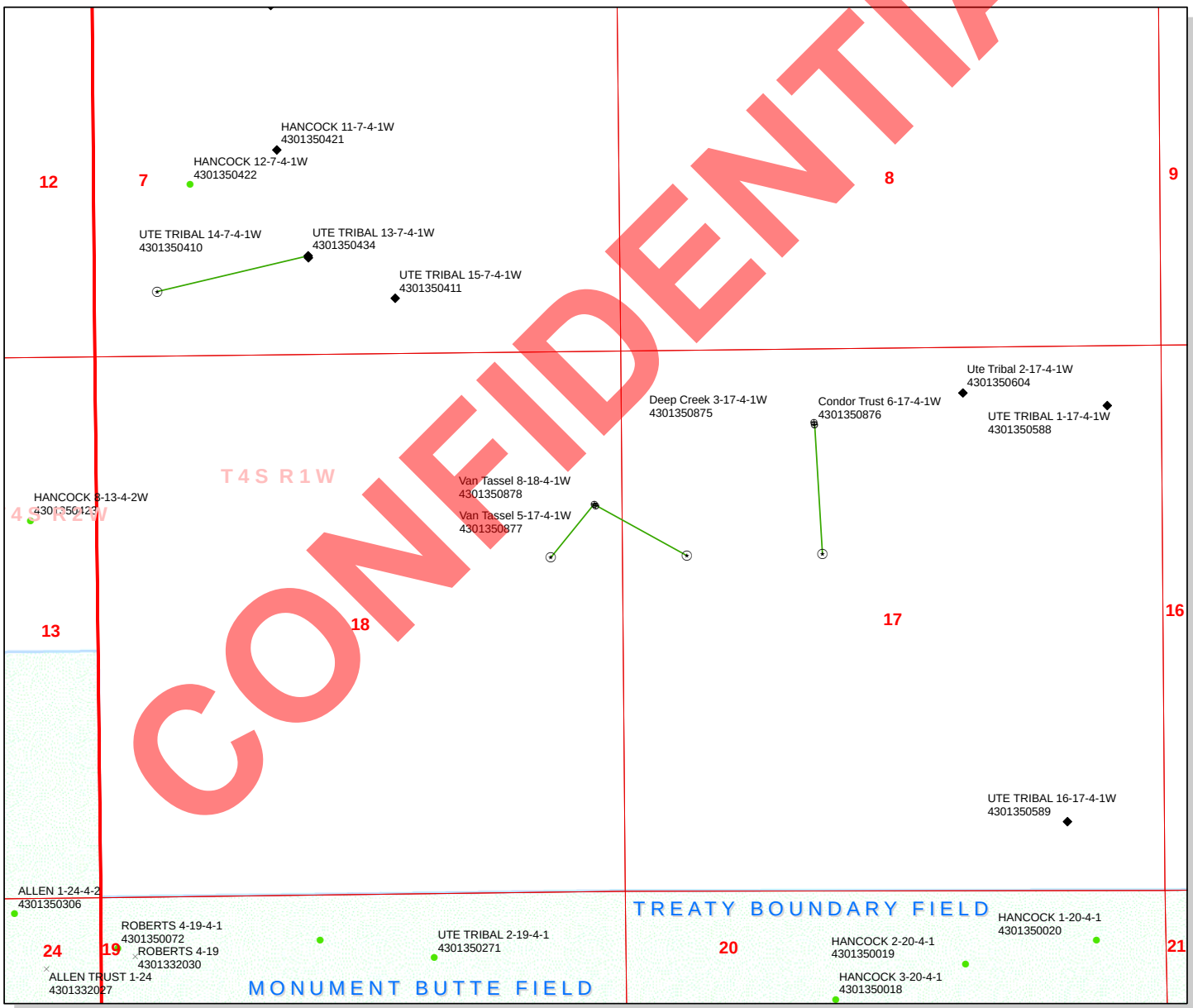
SURVEYED BY: S.V.	DATE SURVEYED: 06-21-11	VERSION:	Tri State Land Surveying, Inc. (435) 781-2501
DRAWN BY: F.T.M.	DATE DRAWN: 06-22-11	V2	180 NORTH VERNAL AVE. VERNAL, UTAH 84078
SCALE: 1" = 60'	REVISED: F.T.M. 07-06-11		

API Well Number: 43013508770000



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API Number: 4301350877

Well Name: Van Tassel 5-17-4-1W

Township T0.4 . Range R0.1 . Section 18

Meridian: UBM

Operator: NEWFIELD PRODUCTION COMPANY

Map Prepared:
Map Produced by Diana Mason

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
Sections
Township

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

1,250 625 0 1,250 Feet

1:12,000

RECEIVED: July 11, 2011

NEWFIELD
ROCKY MOUNTAINS

July 8, 2011

State of Utah, Division of Oil, Gas and Mining
ATTN: Diana Mason
PO Box 145801
Salt Lake City, UT 84114-5801

RE: Directional Drilling
Van Tassel 5-17-4-1W
Surface Hole: T4S R1W, Section 18:SENE
1477' FNL 220' FEL
Bottom Hole: T4S R1W, Section 17: SWNW
1980' FNL 660' FWL
Duchesne County, Utah

Dear Ms. Mason;

Pursuant to the filing of Newfield Production Company's ("NPC") Application for Permit to Drill for the above referenced well, and in accordance with Oil and Gas Conservation Rule R649-3-11, NPC hereby submits this letter as notice of our intention to directionally drill this well.

The surface hole location and bottom hole location of this well are both on fee lands. Newfield certifies that Newfield own 100% of the working interest in all of the lands within 460 feet of the entire directional well bore.

NPC is permitting this well as a directional well due to surface issues.

NPC hereby requests our application for permit to drill be granted pursuant to R649-3-11. If you have any questions or require further information, please do not hesitate to contact the undersigned at 303-383-4137 or by email at awild@newfield.com . Your consideration of this matter is greatly appreciated.

Sincerely,

Alan D. Wild
Land Associate

Attachments

CONFIDENTIAL

1001 17th Street, Suite 2000 Denver, CO 80202 (303) 893-0102 Fax (303) 893-0103

API Well Number: 43013508770000

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

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO: Fee
6. SURFACE: Fee

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

B. TYPE OF WELL: OIL ☑ GAS ☐ OTHER _____ SINGLE ZONE ☑ MULTIPLE ZONE ☐

8. UNIT or CA AGREEMENT NAME: NA

2. NAME OF OPERATOR: Newfield Production Company

9. WELL NAME and NUMBER: Van Tassel 5-17-4-1W

3. ADDRESS OF OPERATOR: Route #3 Box 3630 CITY Myton STATE UT ZIP 84052
PHONE NUMBER: (435) 646-3721

10. FIELD AND POOL, OR WILDCAT: Monument Butte

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: SE/NE 1477' FNL 220' FEL Sec. 18, T4S R1W
AT PROPOSED PRODUCING ZONE: SW/NW 1980' FNL 660' FWL Sec. 17, T4S R1W

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 18 4S 1W

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: Approximately 9.0 miles southeast of Myton, Utah

12. COUNTY: Duchesne
13. STATE: UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET): Approx. 660' f/lse line, NA' f/unit line
16. NUMBER OF ACRES IN LEASE: NA
17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres

18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET): Approx. 1324'
19. PROPOSED DEPTH: 7,542
20. BOND DESCRIPTION: #B001834

21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5137' GL
22. APPROXIMATE DATE WORK WILL START: 3rd Qtr. 2011
23. ESTIMATED DURATION: (7) days from SPUD to rig release

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4	8 5/8	J-55	24.0	500	Class G w/2% CaCl	229 sx +/-	1.17	15.8
7 7/8	5 1/2	J-55	15.5	7,542	Lead(Prem Lite II)	383 sx +/-	3.26	11.0
					Tail (50/50 Poz)	363 sx +/-	1.24	14.3

25. **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
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☑ COMPLETE DRILLING PLAN
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Mandie Crozier TITLE Regulatory Specialist

SIGNATURE Mandie Crozier DATE 7/7/11

(This space for State use only)

API NUMBER ASSIGNED: _____ APPROVAL:

(11/2001) (See Instructions on Reverse Side)

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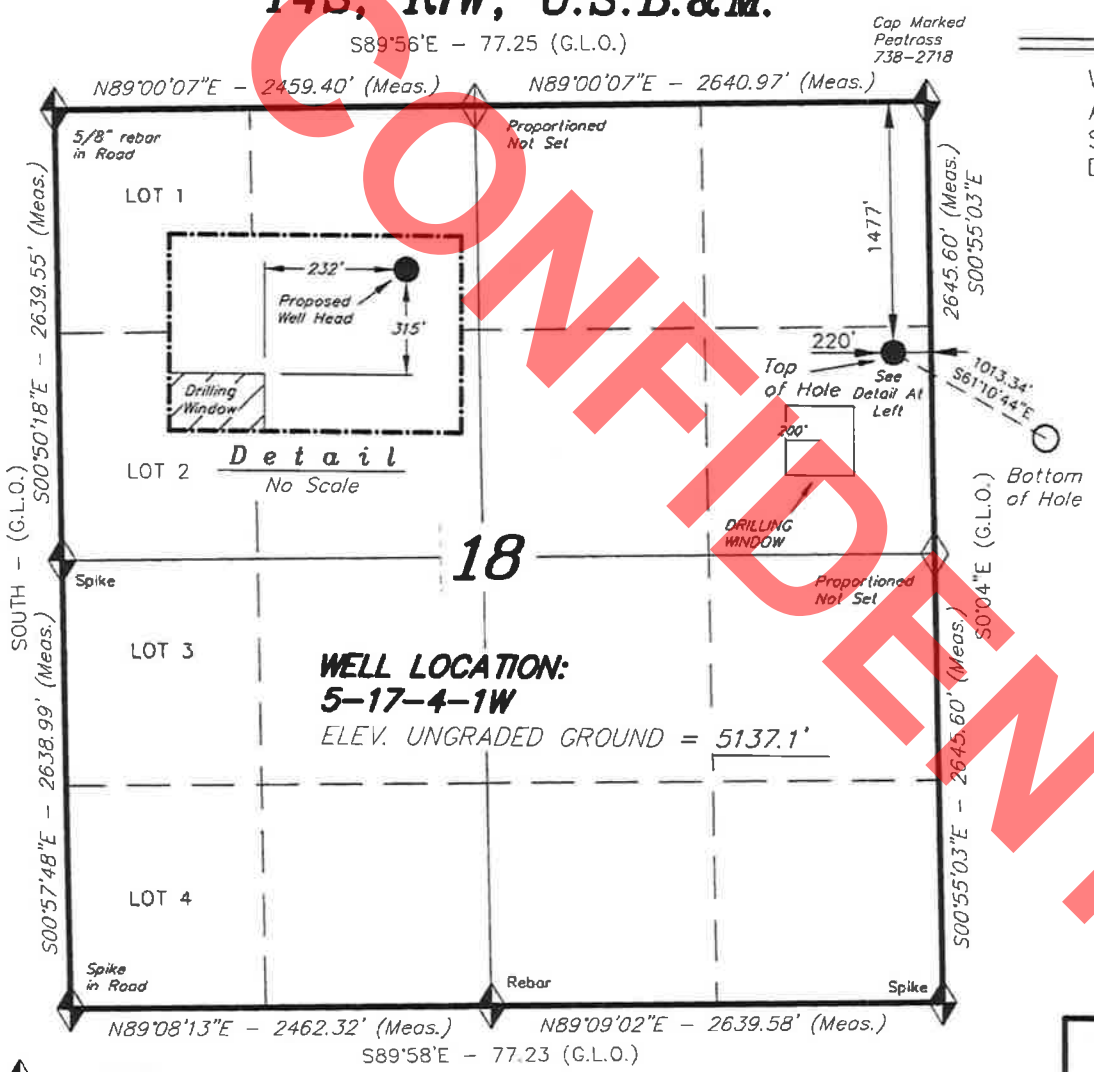
API Well Number: 43013508770000

T4S, R1W, U.S.B.&M.



= SECTION CORNERS LOCATED

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

5-17-4-1W
(Surface Location) NAD 83
LATITUDE = 40° 08' 17.63"
LONGITUDE = 110° 01' 50.00"

NEWFIELD EXPLORATION COMPANY

WELL LOCATION, 5-17-4-1W, LOCATED AS SHOWN IN THE SE 1/4 NE 1/4 OF SECTION 18, T4S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'
BAR SCALE

N

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

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

REGISTERED LAND SURVEYOR REGISTRATION No. 189377 06-27-11 STACY W. STEWART STATE OF UTAH

REGISTERED LAND SURVEYOR REGISTRATION No.
STATE OF UTAH

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

DATE SURVEYED: 06-21-11	SURVEYED BY: S.V.	VERSION:
DATE DRAWN: 06-22-11	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

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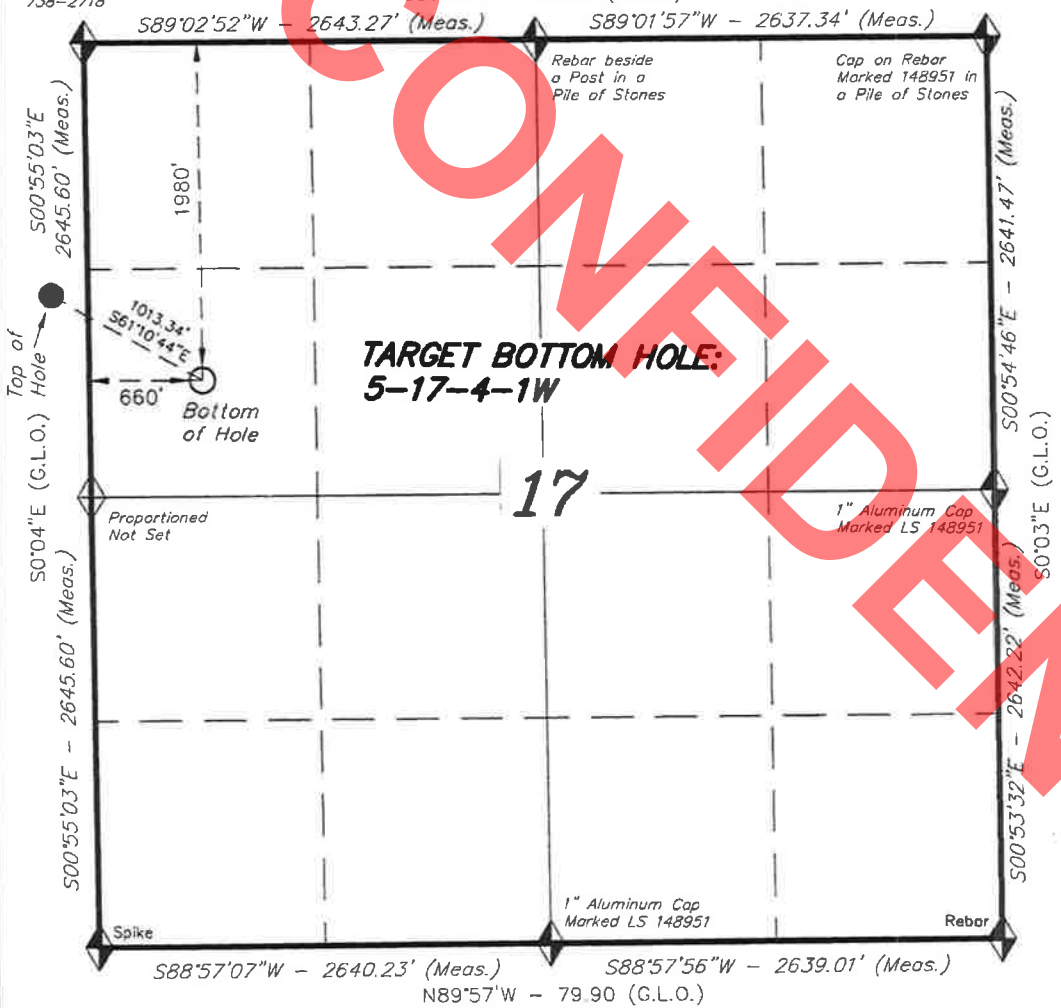
API Well Number: 43013508770000

T4S, R1W, U.S.B.&M.



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

NEWFIELD EXPLORATION COMPANY

TARGET BOTTOM HOLE, 5-17-4-1W, LOCATED AS SHOWN IN THE SW 1/4 NW 1/4 OF SECTION 17, T4S, R1W, U.S.B.&M. DUCHESNE COUNTY, UTAH.

1000' 500' 0' 1000'
BAR SCALE

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

N

= SECTION CORNERS LOCATED

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
REGISTRATION No. 189377
STATE OF UTAH

REGISTERED LAND SURVEYOR 189377 06-27-11 STACY W. STEWART STATE OF UTAH

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

DATE SURVEYED: 06-21-11	SURVEYED BY: S.V.	VERSION:
DATE DRAWN: 06-22-11	DRAWN BY: F.T.M.	V1
REVISED:	SCALE: 1" = 1000'	

CONFIDENTIAL

API Well Number: 43013508770000

BOPE REVIEW NEWFIELD PRODUCTION COMPANY Van Tassel 5-17-4-1W 43013508770000

Well Name	NEWFIELD PRODUCTION COMPANY Van Tassel 5-17-4-1W			
String	SURF	PROD		
Casing Size(")	8.625	5.500		
Setting Depth (TVD)	500	7465		
Previous Shoe Setting Depth (TVD)	0	500		
Max Mud Weight (ppg)	8.3	8.4		
BOPE Proposed (psi)	2950	4810		
Casing Internal Yield (psi)	500	2000		
Operators Max Anticipated Pressure (psi)	3243	8.4		

Calculations	**SURF String**	**8.625**	**"**	
Max BHP (psi)	.052*Setting Depth*MW=	216		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	156	YES	air drill
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	106	YES	OK
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	106	NO	OK
Required Casing/BOPE Test Pressure=		350	psi	
***Max Pressure Allowed @ Previous Casing Shoe=**		0	psi	*Assumes 1psi/ft frac gradient

Calculations	**PROD String**	**5.500**	**"**	
Max BHP (psi)	.052*Setting Depth*MW=	3261		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2365	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1619	YES	OK
			***Can Full Expected Pressure Be Held At Previous Shoe?**	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	1729	NO	Reasonable for area
Required Casing/BOPE Test Pressure=		1400	psi	
***Max Pressure Allowed @ Previous Casing Shoe=**		500	psi	*Assumes 1psi/ft frac gradient

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

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

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RECEIVED: August 17, 2011

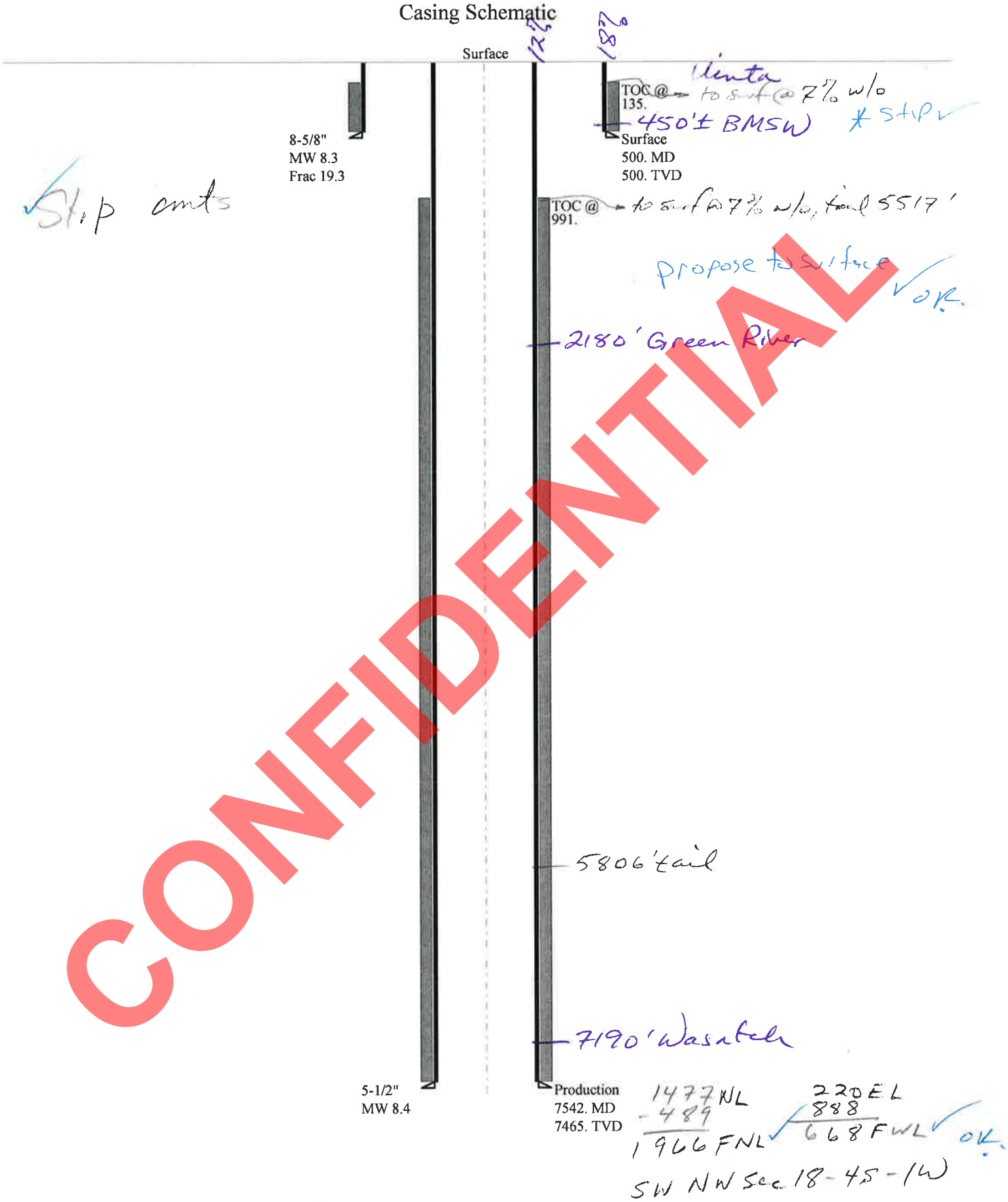
***Max Pressure Allowed @ Previous Casing Shoe=**		psi *Assumes 1psi/ft frac gradient

CONFIDENTIAL

RECEIVED: August 17, 2011

43013508770000 Van Tassel 5-17-4-1W

Casing Schematic



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Well name:	**43013508770000 Van Tassel 5-17-4-1W**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Surface
Project ID:	43-013-50877
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight: 8.330 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 440 psi

Internal gradient: 0.120 psi/ft

Calculated BHP 500 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on air weight.

Neutral point: 437 ft

Environment:

H2S considered?	No
Surface temperature:	74 °F
Bottom hole temperature:	81 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	100 ft
Cement top:	135 ft

Non-directional string.

Re subsequent strings:

Next setting depth:	7,465 ft
Next mud weight:	8.400 ppg
Next setting BHP:	3,258 psi
Fracture mud wt:	19.250 ppg
Fracture depth:	500 ft
Injection pressure:	500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	500	8.625	24.00	J-55	ST&C	500	500	7.972	2573

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	216	1370	6.333	500	2950	5.90	12	244	20.34 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940

Date: August 16,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 500 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

CONFIDENTIAL

Well name:	**43013508770000 Van Tassel 5-17-4-1W**
Operator:	**NEWFIELD PRODUCTION COMPANY**
String type:	Production
Project ID:	43-013-50877
Location:	DUCHESNE COUNTY

Design parameters:

Collapse

Mud weight: 8.400 ppg

Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,615 psi

Internal gradient: 0.220 psi/ft

Calculated BHP 3,258 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on air weight.

Neutral point: 6,582 ft

Environment:

H2S considered?	No
Surface temperature:	74 °F
Bottom hole temperature:	179 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	100 ft
Cement top:	991 ft

Directional Info - Build & Hold

Kick-off point	600 ft
Departure at shoe:	1013 ft
Maximum dogleg:	1.5 °/100ft
Inclination at shoe:	8.76 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	7542	5.5	15.50	J-55	LT&C	7465	7542	4.825	26631

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	3258	4040	1.240	3258	4810	1.48	115.7	217	1.88 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940

Date: August 16,2011
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 7465 ft, a mud weight of 8.4 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.
Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

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

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

Operator NEWFIELD PRODUCTION COMPANY
Well Name Van Tassel 5-17-4-1W
API Number 43013508770000 **APD No** 4202 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 SENE **Sec** 18 **Tw** 4.0S **Rng** 1.0W 1477 FNL 220 FEL
GPS Coord (UTM) **Surface Owner** Basin Land & Farm LLC

Participants

M. Jones (UDOGM), T. Eaton, J. Pippy (Newfield), C. Miller (Tri-State). Robert Muir (Millstream Excavating), Jason Danley (surface ownership).

Regional/Local Setting & Topography

Location is staked in Pleasant Valley. Approximately 4 miles west of county road 216. South of Wells draw a few hundred yards near the area that Wells Draw dumps into Pleasant Valley Wash. Access will be from the North across Stan Meacham property. Location is just south of the property line. Jason Danley was present at the pre-site meeting representing the surface ownership. The area could have a high water table and will need material brought in for a base to the access road and location. The depth of the water table was unknown during the pre-site meeting. A conventional reserve pit with a synthetic liner should be adequate. Fences, gates, and cattle guard potential was discussed. Dranage diversion should not be a problem since the location will have pit run brought in to build up the pad and road. However all surounding drainages should be diverted properly away from location and access road.

Surface Use Plan

Current Surface Use
Grazing
Agricultural
Recreational
Wildlfe Habitat

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.57	**Width** 170 **Length** 340	Offsite	

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetlands Y

Location will need to be built up to keep sheet flooding across area from flooding well pad.

Flora / Fauna

greasewood.

Soil Type and Characteristics

clay

Erosion Issues N

Sedimentation Issues N

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Site Stability Issues Y
Pit run needed to build a base for the well pad.

Drainage Diverson Required? Y
Divert drainages around and away from location.

Berm Required? Y
Berm location to prevent fluids from entering and/or leaving location.

Erosion Sedimentation Control Required? N

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

Reserve Pit

Site-Specific Factors		Site Ranking	
Distance to Groundwater (feet)	25 to 75	15	
Distance to Surface Water (feet)		20	
Dist. Nearest Municipal Well (ft)	>5280	0	
Distance to Other Wells (feet)	>1320	0	
Native Soil Type	Low permeability	0	
Fluid Type	Fresh Water	5	
Drill Cuttings	Normal Rock	0	
Annual Precipitation (inches)	10 to 20	5	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	45	1 Sensitivity Level

Characteristics / Requirements
Dugout earthen (80' x 40' x 8'). External to well pad dimensions.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 12 **Pit Underlayment Required?** N

Other Observations / Comments

Mark Jones 7/27/2011
Evaluator **Date / Time**

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Application for Permit to Drill
Statement of Basis

Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
4202	43013508770000	LOCKED	OW	P	No

Operator	NEWFIELD PRODUCTION COMPANY	**Surface Owner-APD**	Basin Land & Farm LLC
Well Name	Van Tassel 5-17-4-1W	**Unit**	
Field	UNDESIGNATED	**Type of Work**	DRILL

Location SENE 18 4S 1W U 1477 FNL 220 FEL GPS Coord (UTM) 582646E 4443338N

Geologic Statement of Basis

Newfield proposes to set 500' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 450'. A search of Division of Water Rights records shows 7 water wells within a 10,000 foot radius of the center of Section 18. Depth is listed for only 1 well at 24 feet. Listed uses are irrigation, stock watering and domestic. Three wells are within 1/2 mile of the proposed well all others are well over a mile from the proposed well. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be an interconnected, high volume source of useable ground water. The proposed surface casing should adequately protect useable ground water in this area.

Brad Hill — **APD Evaluator**

8/11/2011 — **Date / Time**

Surface Statement of Basis

Location is staked in Pleasant Valley. Approximately 4 miles west of county road 216. South of Wells draw a few hundred yards near the area that Wells Draw dumps into Pleasant Valley Wash. Access will be from the North across Stan Meacham property. Location is just south of the property line. Jason Danley was present at the pre-site meeting representing the surface ownership. The area could have a high water table and will need material brought in for a base to the access road and location. The depth of the water table was unknown during the pre-site meeting. A conventional reserve pit with a synthetic liner should be adequate. Fences, gates, and cattle guard potential was discussed. Dranage diversion should not be a problem since the location will have pit run brought in to build up the pad and road. However all surounding drainages should be diverted properly away from location and access road.

Mark Jones — **Onsite Evaluator**

7/27/2011 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 12 mils shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	The pad and road should have adequate base material hauled in.

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RECEIVED: August 17, 2011

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/7/2011
API NO. ASSIGNED: 43013508770000
WELL NAME: Van Tassel 5-17-4-1W
OPERATOR: NEWFIELD PRODUCTION COMPANY (N2695)
PHONE NUMBER: 435 646-4825
CONTACT: Mandie Crozier

PROPOSED LOCATION: SENE 18 040S 010W
Permit Tech Review: ✔

SURFACE: 1477 FNL 0220 FEL
Engineering Review: ✔

BOTTOM: 1980 FNL 0660 FWL
Geology Review: ✔

COUNTY: DUCHESNE
LATITUDE: 40.13821
LONGITUDE: -110.02986
UTM SURF EASTINGS: 582646.00
NORTHINGS: 4443338.00
FIELD NAME: UNDESIGNATED
LEASE TYPE: 4 - Fee
LEASE NUMBER: Fee
PROPOSED PRODUCING FORMATION(S): GREEN RIVER
SURFACE OWNER: 4 - Fee
COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ✔ **PLAT**
- ✔ **Bond:** STATE - B001834
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ✔ **Water Permit:** 437478
- ☐ **RDCC Review:**
- ✔ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ✔ **Drilling Unit**

Board Cause No: R649-3-11
Effective Date:
Siting:

- ✔ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
5 - Statement of Basis - bhill
15 - Directional - dmason
23 - Spacing - dmason
25 - Surface Casing - ddoucet

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RECEIVED: August 17, 2011

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Van Tassel 5-17-4-1W
API Well Number: 43013508770000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 8/17/2011

Issued to:
NEWFIELD PRODUCTION COMPANY , Rt 3 Box 3630 , Myton, UT 84052

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the GREEN RIVER Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

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

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

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

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

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

Surface casing shall be cemented to the surface.

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:
- Any changes to the approved drilling plan – contact Dustin Doucet
- Significant plug back of the well – contact Dustin Doucet
- Plug and abandonment of the well – contact Dustin Doucet

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

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):
- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:
- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:

For John Rogers
Associate Director, Oil & Gas

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
VAN TASSEL 5-17-4-1W

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013508770000

3. ADDRESS OF OPERATOR:
Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER:
435 646-4825 Ext

9. FIELD and POOL or WILDCAT:
UNDESIGNATED

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1477 FNL 0220 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SENE Section: 18 Township: 04.0S Range: 01.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

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

TYPE OF SUBMISSION

- ✓ NOTICE OF INTENT
  Approximate date work will start: 8/17/2012
- ☐ SUBSEQUENT REPORT
  Date of Work Completion:
- ☐ SPUD REPORT
  Date of Spud:
- ☐ DRILLING REPORT
  Report Date:

TYPE OF ACTION

☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Newfield proposes to extend the Application for Permit to Drill this well for one year.

Approved by the Utah Division of Oil, Gas and Mining

Date: July 30, 2012

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech

SIGNATURE	DATE
N/A	7/25/2012

RECEIVED: Jul. 25, 2012

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013508770000

API: 43013508770000
Well Name: VAN TASSEL 5-17-4-1W
Location: 1477 FNL 0220 FEL QTR SENE SEC 18 TWNP 040S RNG 010W MER U
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 8/17/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

- **If located on private land, has the ownership changed, if so, has the surface agreement been updated?** ○ **Yes** ◉ **No**
- **Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?** ○ **Yes** ◉ **No**
- **Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?** ○ **Yes** ◉ **No**
- **Have there been any changes to the access route including ownership, or rightof- way, which could affect the proposed location?** ○ **Yes** ◉ **No**
- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Signature: Mandie Crozier **Date:** 7/25/2012
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Jul. 25, 2012

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
VAN TASSEL 5-17-4-1W

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013508770000

3. ADDRESS OF OPERATOR:
Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER:
435 646-4825 Ext

9. FIELD and POOL or WILDCAT:
UNDESIGNATED

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1477 FNL 0220 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: SENE Section: 18 Township: 04.0S Range: 01.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 8/17/2013	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	✓ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

Newfield proposes to extend the Application for Permit to Drill.

Approved by the Utah Division of Oil, Gas and Mining

Date: August 15, 2013

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech

SIGNATURE	DATE
N/A	8/13/2013

RECEIVED: Aug. 13, 2013

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Request for Permit Extension Validation Well Number 43013508770000

API: 43013508770000
Well Name: VAN TASSEL 5-17-4-1W
Location: 1477 FNL 0220 FEL QTR SENE SEC 18 TWNP 040S RNG 010W MER U
Company Permit Issued to: NEWFIELD PRODUCTION COMPANY
Date Original Permit Issued: 8/17/2011

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision. Following is a checklist of some items related to the application, which should be verified.

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- **Has the approved source of water for drilling changed?** ○ **Yes** ◉ **No**
- **Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation?** ○ **Yes** ◉ **No**
- **Is bonding still in place, which covers this proposed well?** ◉ **Yes** ○ **No**

Signature: Mandie Crozier **Date:** 8/13/2013
Title: Regulatory Tech **Representing:** NEWFIELD PRODUCTION COMPANY

RECEIVED: Aug. 13, 2013

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

August 20, 2014

Mandie Crozier
Newfield Production Company
Rt. 3 Box 3630
Myton, UT 84052

Re: APD Rescinded – Van Tassel 5-17-4-1W, Sec. 18, T.4S, R. 1W
Duchesne County, Utah API No. 43-013-50877

Dear Ms. Crozier:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on August 17, 2011. On July 30, 2012 and August 15, 2013, the Division granted a one-year APD extension. No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective August 20, 2014.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

Diana Mason
Environmental Scientist

cc: Well File
Brad Hill, Technical Service Manager

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