

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

FORM 3

AMENDED REPORT

<b>APPLICATION FOR PERMIT TO DRILL</b>						<b>1. WELL NAME and NUMBER</b> MORRIS #3-8B1				
<b>2. TYPE OF WORK</b> DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						<b>3. FIELD OR WILDCAT</b> BLUEBELL				
<b>4. TYPE OF WELL</b> Oil Well <input type="checkbox"/> Coalbed Methane Well: NO <input type="checkbox"/>						<b>5. UNIT or COMMUNITIZATION AGREEMENT NAME</b>				
<b>6. NAME OF OPERATOR</b> DEVON ENERGY PROD CO LP						<b>7. OPERATOR PHONE</b> 405 228-4248				
<b>8. ADDRESS OF OPERATOR</b> P.O. Box 290 , Neola, UT, 84053						<b>9. OPERATOR E-MAIL</b> patti.riechers@dvn.com				
<b>10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)</b> ML-22865			<b>11. MINERAL OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			<b>12. SURFACE OWNERSHIP</b> FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
<b>13. NAME OF SURFACE OWNER (if box 12 = 'fee')</b> Beth and Leroy Morris						<b>14. SURFACE OWNER PHONE (if box 12 = 'fee')</b> 435-454-3193				
<b>15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')</b> HC 65 Box 84, Bluebell, UT 84007						<b>16. SURFACE OWNER E-MAIL (if box 12 = 'fee')</b>				
<b>17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')</b>			<b>18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS</b> YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			<b>19. SLANT</b> VERTICAL <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>				
<b>20. LOCATION OF WELL</b>		<b>FOOTAGES</b>		<b>QTR-QTR</b>	<b>SECTION</b>	<b>TOWNSHIP</b>	<b>RANGE</b>	<b>MERIDIAN</b>		
LOCATION AT SURFACE		700 FNL 800 FEL		NENE	8	2.0 S	1.0 W	U		
Top of Uppermost Producing Zone		700 FNL 800 FEL		NENE	8	2.0 S	1.0 W	U		
At Total Depth		700 FSL 700 FEL		SESE	8	2.0 S	1.0 W	U		
<b>21. COUNTY</b> DUCHESNE			<b>22. DISTANCE TO NEAREST LEASE LINE (Feet)</b> 700			<b>23. NUMBER OF ACRES IN DRILLING UNIT</b> 640				
			<b>25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)</b> 1700			<b>26. PROPOSED DEPTH</b> MD: 15165 TVD: 11430				
<b>27. ELEVATION - GROUND LEVEL</b> 5370			<b>28. BOND NUMBER</b> 71S100753026-70			<b>29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE</b> Ballard City Municipal Water				
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Surf	17.5	13.375	0 - 1600	61.0	J-55 ST&C	9.0	Type III	624	2.17	12.5
							Type III	237	1.32	14.8
I1	12.25	9.625	0 - 10150	53.5	P-110 LT&C	12.5	Pozzuolanic	1231	1.7	12.3
							50/50 Poz	1365	1.23	13.5
L1	8.5	5.5	9900 - 15165	20.0	P-110 Other	15.0	Class G	675	2.3	15.8
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
<b>NAME</b> Julie Patrick			<b>TITLE</b> Regulatory Analyst			<b>PHONE</b> 405 228-8684				
<b>SIGNATURE</b>			<b>DATE</b> 11/01/2012			<b>EMAIL</b> julie.patrick@dvn.com				
<b>API NUMBER ASSIGNED</b> 43013518360000			<b>APPROVAL</b>   Permit Manager							

**Well Name:** Morris 3-8B1  
**Target:** Wasatch  
**County, State:** Duchesne, UT  
**SH Location:** 700' FNL, 800' FEL, Section 8, T2S, R1W, U.S.B.&M.  
**BH Location:** 700' FSL, 700' FEL, Section 8, T2S, R1W, U.S.B.&M.  
**SHL Latitude:** 40.329333° N  
**SHL Longitude:** 110.013761° W  
**BHL Latitude:** 40.318547° N  
**BHL Longitude:** 110.013386° W  
**Coordinates:** NAD 83

**Conductor**  
 OD: 20" Hole Size: 30"  
 Wt: Setting Depth: 80'  
**Surface Casing**  
 OD: 13 3/8" Hole Size: 17 1/2"  
 Wt: 61.#  
 Grd: J55  
 Con: STC Setting Depth: 1,600'

\*Surface Casing set just above expected brackish water flow to protect and isolate all shallow fresh water  
 \*Test casing to 1500 psi  
 \*FIT to 14.0 ppg upon drill out

\*Top of Tail slurry for Intermediate Casing cement will isolate and protect Green River

**Intermediate Casing**  
 OD: 9 5/8" Hole Size: 12 1/4"  
 Wt: 53.5#  
 Grd: P-110  
 Con: LTC Setting Depth: 10,150'

\*Intermediate Csg set just above top of Wasatch  
 \*Test casing to 3000 psi  
 \*FIT to 15.5 ppg upon drill out



Wellhead Equipment	
A/B Sections	13-3/8" x 13-5/8" 5K/10K SOW w/multibowl
DSA	13-5/8" 10K x 11" 10K Crossover
C Section	11" 10K x 7-1/16" 10K Tubing Head
<b>Notes:</b> Casing head with multibowl will be installed on 13-3/8" csg and flange will be tested to 5K psi. 9-5/8" int csg will be landed in the multibowl. A 10k psi packoff will be installed on top of the int csg. At that time the same flange will be tested to 10k psi. Tubing head will be installed after setting production liner.	

BOP Stack- Top to Bottom				
Item	Size	Rated Psi	Psi Test	Comments
Rotating Head	13-3/8"	5,000	N/A	Not tested
Annular	13-3/8"	5,000	3,500	Tested to 70%
Double Ram	13-3/8"	10,000	5K/10K	Top- pipe, Bottom- blind
Mud Cross	13-3/8"	10,000	5K/10K	For Kill and Choke lines
Kill Line	2"	10,000	5K/10K	Check & manual valve
Choke Line	3"	10,000	5K/10K	Hydraulic & manual valve
Single Ram	13-3/8"	10,000	5K/10K	Pipe Rams

Choke Manifold (minimum requirements)				
Coflex Hose	3"	10,000	5K/10K	Choke line to tee block
Manual Choke	3"	10,000	5K/10K	2 valves, to separator
Panic Line	3"	10,000	5K/10K	2 valves, to reserve pit
Hydraulic Chk	3"	10,000	5K/10K	2 valves, to separator
<b>Notes:</b> BOPE will be tested to 5K psi upon initial installation and then 10k psi after setting the 9-5/8" int csg.				

Mud			
Depth	Type	Max Weight (ppg)	
0' - 1,600'	Spud Mud	9.0	
1,600' - 10,150'	4% KCL Mud	12.5	
10,150' - 11,816'	Oil Based Mud	15.0	
11,816' - 15,165'	Oil Based Mud	15.0	

Cement							
Slurry	Top	Btm	Wt	Yld	%Exc	Bbl	Sx
Surface	Type III	0'	1,300'	12.5	2.17	50	624
	Type III	1,300'	1,600'	14.8	1.32	50	237
Intermediate	75/25 Poz/Class G	0'	5,683'	12.3	1.7	20	1231
	50/50 Poz/Class G	5,683'	10,150'	13.5	1.23	20	1365
Production Liner	Class G	9,900'	15,165'	15.8	2.3	30	675
<b>Note:</b> If no cement returns are brought to surface for surface casing, a top out job will be performed to bring returns to surface.							

Hole Size: 8 1/2"  
 Setting Depth: 15,165'  
 BHL TVD: 11,430'  
**Production Liner**  
 OD: 5 1/2"  
 Wt: 20.#  
 Grd: P-110  
 Con: BTC  
 Expected BH Temp: 215 °F  
 Expected BH PSI: 8915 psi

Directional Plan						
Target TVDs:	Landing Point- 11,480', BHL- 11,430'					
Target Window:	TBD					
	MD	INC	AZM	TVD	VS	DLS
KOP	10,907'	0.00	0.00	10,907'	0'	0.00
EOB	11,816'	90.86	177.52	11,480'	582'	10.00
TD	15,165'	90.86	177.52	11,430'	3,931'	0.00
<b>Hardlines:</b>	Lateral- 660' from section lines Vertical- Actual section lines					
<b>Notes:</b>	Please note SHL and BHL from section/lease lines					

Type	Logs	Interval	Vendor
L o g s	Open Hole	Array Induction- GR- SP- Cal	Int TD to surf csg
	Open Hole	Cross dipole sonic	Int TD to surf csg
	Open Hole	Array Induction- GR- SP- Cal	Production TD to Int csg
	Open Hole	Cross dipole sonic	Production TD to Int csg
	Mudlog	30' samples, 10' samples if slow	Surf Csg to TD
	LWD	Gamma	Curve and Lateral

**Drilling Plan for  
Morris 3-8B1**

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**Estimated Geologic Markers:**

Formation	MD	TVD	Potential Hydrocarbons or Hazards
Shallow Sand	1,900'	1,900'	*Potential brackish water flow from disposal up to 12 ppg equivalent
Upper Green River	5,983'	5,983'	*Potential Hydrocarbons
Lower Green River	8,692'	8,692'	*Potential Hydrocarbons *Potential brackish water flow from disposal up to 12.5 ppg equivalent
Wasatch	10,154'	10,154'	*Potential Hydrocarbons *Overpressure begins

Estimated Bottom Hole Temperature: 215 ° F

Estimated Bottom Hole Pressure: 8915 psi

**Casing Program**

Casing String	Hole Size	Casing Size	Depths				Weight	Grade	Thread	Notes
			Top		Bottom					
			MD	TVD	MD	TVD				
Surface Casing	17 1/2"	13 3/8"	0'	0'	1,600'	1,600'	61.#	J55	STC	*Surface Casing set just above expected brackish water flow to protect and isolate all shallow fresh water *Test casing to 1500 psi *FIT to 14.0 ppg upon drill out
Intermediate Cas	12 1/4"	9 5/8"	0'	0'	10,150'	10,150'	53.5#	P-110	LTC	*Intermediate Csg set just above top of Wasatch *Test casing to 3000 psi *FIT to 15.5 ppg upon drill out
Production Liner	8 1/2"	5 1/2"	9,900'	9,900'	15,165'	11,430'	20.#	P-110	BTC	

**Cement Program**

Slurry	Top	Btm	Wt	Yld	%Exc	Bbl	Sx	Notes
<b>Surface</b>								
Type III	0'	1,300'	12.5	2.17	50	241	624	
Type III	1,300'	1,600'	14.8	1.32	50	56	237	
<b>Intermediate</b>								
75/25 Poz/Class G	0'	5,683'	12.3	1.7	20	373	1231	
50/50 Poz/Class G	5,683'	10,150'	13.5	1.23	20	299	1365	*Top of Tail slurry for Intermediate Casing cement will isolate and protect Green River
<b>Production Liner</b>								
Class G	9,900'	15,165'	15.8	2.3	30	276	675	

Note: If no cement returns are brought to surface for surface casing, a top out job will be performed to bring returns to surface.

**Mud System**

Depth	Type	Max Weight	Notes
		(ppg)	
0' - 1,600'	Spud Mud	9.0	
1,600' - 10,150'	4% KCL Mud	12.5	Weight up as needed to control injection water flows
10,150' - 11,816'	Oil Based Mud	15.0	Weight up as needed to control abnormal pressure
11,816' - 15,165'	Oil Based Mud	15.0	Weight up as needed to control abnormal pressure

**Drilling Plan for  
Morris 3-8B1**

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**Plans for Logging, Testing, and Coring**

Type	Details	Interval	Vendor
Open Hole	Array Induction- GR- SP- Cal	Intermediate TD to surf csg	TBD
Open Hole	Cross dipole sonic	Intermediate TD to surf csg	TBD
Open Hole	Array Induction- GR- SP- Cal	Base of curve to Intermediate csg shoe	TBD
Open Hole	Cross dipole sonic	Base of curve to Intermediate csg shoe	TBD
Mudlog	30' samples, 10' samples if slow	Surface Csg Shoe to TD	TBD
LWD	Gamma	Curve and Lateral	TBD
Cores	none	N/A	N/A
DST	none	N/A	N/A

**Pressure Control Equipment**

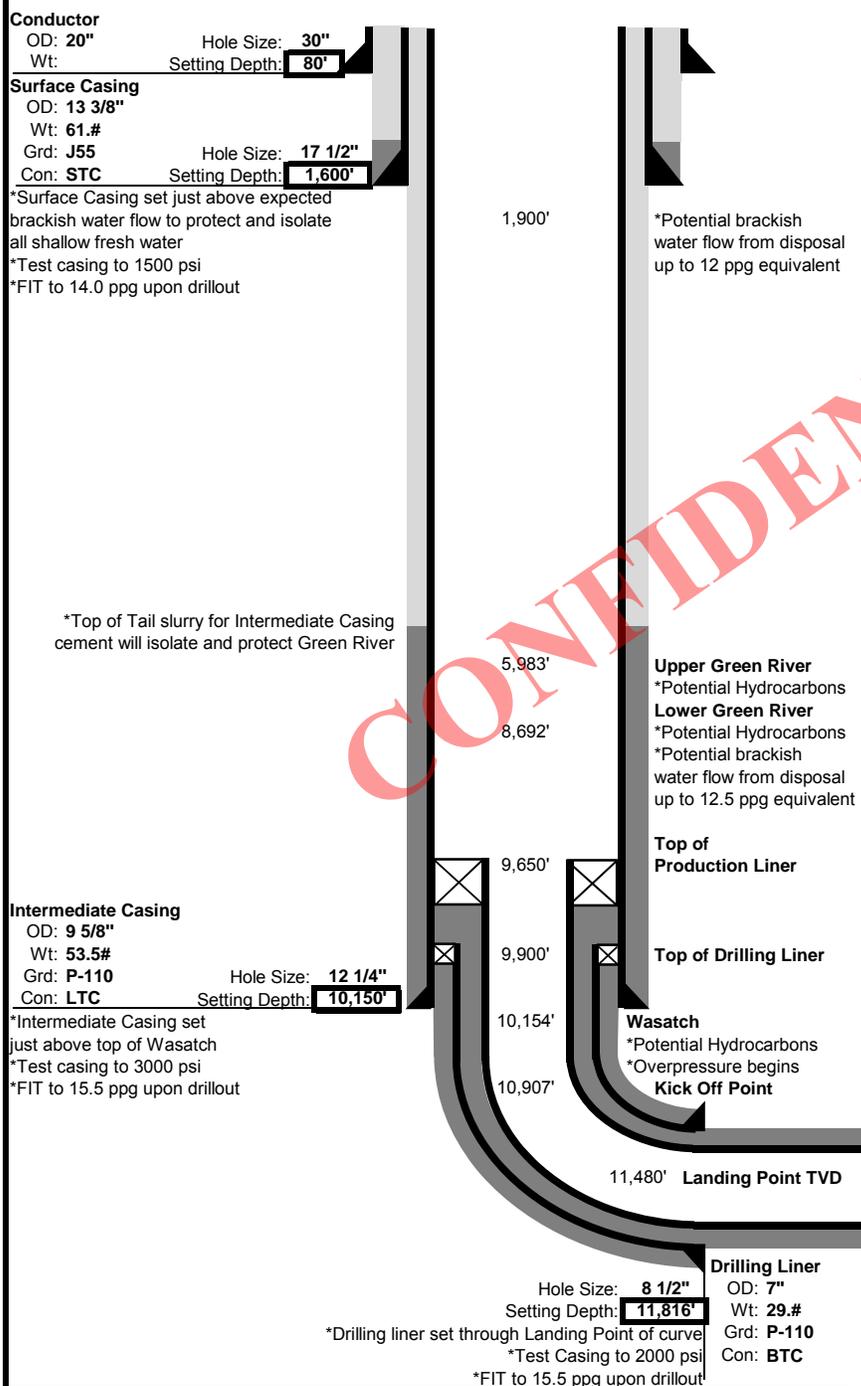
Wellhead Equipment	
<b>A/B Sections</b>	13-3/8" x 13-5/8" 5K/10K SOW w/multibowl
<b>DSA</b>	13-5/8" 10K x 11" 10K Crossover
<b>C Section</b>	11" 10K x 7-1/16" 10K Tubing Head
<b>Notes:</b> Casing head with multibowl will be installed on 13-3/8" csg and flange will be tested to 5K psi. 9-5/8" int csg will be landed in the multibowl. A 10k psi packoff will be installed on top of the int csg. At that time the same flange will be tested to 10k psi. Tubing head will be installed after setting production liner.	

BOP Stack- Top to Bottom				
Item	Size	Pressure		Comments
		Rated	Test	
Rotating Head	13-3/8"	500	N/A	Not tested
Annular	13-3/8"	5,000	3,500	Tested to 70%
Double Ram	13-3/8"	10,000	5K/10K	Top- pipe rams, Bottom- blind rams
Mud Cross	13-3/8"	10,000	5K/10K	For Kill and Choke lines
Kill Line	2"	10,000	5K/10K	Check valve & manual gate valve
Choke Line	3"	10,000	5K/10K	Hydraulic gate valve & manual gate valve
Single Ram	13-3/8"	10,000	5K/10K	Pipe rams
Choke Manifold (minimum requirements)				
Cofflex Hose	3"	10,000	5K/10K	Choke line to manifold tee block
Manual Choke	3"	10,000	5K/10K	2 manual gate valves, line goes to separator
Panic Line	3"	10,000	5K/10K	2 manual gate valves, line goes to reserve pit
Hydraulic Chk	3"	10,000	5K/10K	2 manual gate valves, line goes to separator
<b>Notes:</b> BOPE will be tested to 5K psi upon initial installation and then 10k psi after setting the 9-5/8" int csg.				

Other Pressure Control Equipment Notes:

- All well control equipment systems shall be in accordance with state of Utah regulatory agencies and rules.
- Equipment will be tested upon initial installation, after any repairs, after any seal is broken
- Equipment will be tested at 21 day intervals minimum
- Accumulator will have sufficient capacity to open the HCR valve, close all rams plus the annular preventer and retain 200 psi above pre-charge pressure without use of closing pumps
- Closing unit system will have two independent power sources to close the preventers

<p><b>Contingency Casing Design Note:</b> This design will be used if hole problems are encountered while drilling the curve and/or lateral portion of this well.</p> <p>Key Differences:</p> <ul style="list-style-type: none"> <li>* A 7" drilling liner will be run through the curve</li> <li>* The production liner will be sized down to 4-1/2" instead of the planned 5-1/2"</li> </ul>	<p><b>Well Name:</b> Morris 3-8B1 <b>Target:</b> Wasatch <b>County, State:</b> Duchesne, UT</p>	<p><b>**Contingency Casing Design**</b></p>
	<p><b>SH Location:</b> 700' FNL, 800' FEL, Section 8, T2S, R1W, U.S.B.&amp;M. <b>BH Location:</b> 700' FSL, 700' FEL, Section 8, T2S, R1W, U.S.B.&amp;M.</p>	<p><b>SHL Latitude:</b> 40.329333° N <b>SHL Longitude:</b> 110.013761° W <b>BHL Latitude:</b> 40.318547° N <b>BHL Longitude:</b> 110.013386° W <b>Coordinates:</b> NAD 83</p>



Wellhead Equipment	
<b>A/B Sections</b>	13-3/8" x 13-5/8" 5K/10K SOW w/multibowl
<b>DSA</b>	13-5/8" 10K x 11" 10K Crossover
<b>C Section</b>	11" 10K x 7-1/16" 10K Tubing Head

**Notes:** Casing head with multibowl will be installed on 13-3/8" csg and flange will be tested to 5K psi. 9-5/8" int csg will be landed in the multibowl. A 10k psi packoff will be installed on top of the int csg. At that time the same flange will be tested to 10k psi. Tubing head will be installed after setting production liner.

BOP Stack- Top to Bottom					
Item	Size	Rated Psi	Psi Test	Comments	
Rotating Head	13-3/8"	500	N/A	Not tested	
Annular	13-3/8"	5,000	3,500	Tested to 70%	
Double Ram	13-3/8"	10,000	5K/10K	Top- pipe, Bottom- blind	
Mud Cross	13-3/8"	10,000	5K/10K	Kill and Choke lines	
Kill Line	2"	10,000	5K/10K	Check & manual valve	
Choke Line	3"	10,000	5K/10K	Hydraulic & manual valve	
Single Ram	13-3/8"	10,000	5K/10K	Pipe Rams	

Choke Manifold (minimum requirements)			
Item	Size	Rated Psi	Comments
Coflex Hose	3"	10,000	5K/10K Choke line to tee block
Manual Choke	3"	10,000	5K/10K 2 valves, to separator
Panic Line	3"	10,000	5K/10K 2 valves, to reserve pit
Hydraulic Chk	3"	10,000	5K/10K 2 valves, to separator

**Notes:** BOPE will be tested to 5K psi upon initial installation and then 10k psi after setting the 9-5/8" int csg.

Mud			
Depth	Type	Max Weight (ppg)	
0' - 1,600'	Spud Mud	9.0	
1,600' - 10,150'	4% KCL Mud	12.5	
10,150' - 11,816'	Oil Based Mud	15.0	
11,816' - 15,165'	Oil Based Mud	15.0	

Cement							
Slurry	Top	Btm	Wt	Yld	%Exc	Bbl	Sx
<b>Surface</b>							
Type III	0'	1,300'	12.5	2.17	50	241	624
Type III	1,300'	1,600'	14.8	1.32	50	56	237
<b>Intermediate</b>							
75/25 Poz/Class G	0'	5,683'	12.3	1.7	20	373	1231
50/50 Poz/Class G	5,683'	10,150'	13.5	1.23	20	299	1365
<b>Drilling Liner</b>							
50/50 Poz/Class G	9,900'	11,816'	15.8	1.53	30	55	201
<b>Production Liner</b>							
Class G	9,650'	15,165'	15.8	2.3	30	157	383

Note: If no cement returns are brought to surface for surface casing, a top out job will be performed to bring returns to surface.

Logs	Type	Logs	Interval	Vendor
	L	Open Hole	Array Induction- GR- SP- Cal	Int TD to surf csg
O	Open Hole	Cross dipole sonic	Int TD to surf csg	TBD
g	Open Hole	Array Induction- GR- SP- Cal	Production TD to Int csg	TBD
	Open Hole	Cross dipole sonic	Production TD to Int csg	TBD
s	Mudlog	30' samples, 10' samples if slow	Surf Csg to TD	TBD
	LWD	Gamma	Curve and Lateral	TBD

Directional Plan						
<b>Target TVDs:</b>	Landing Point- 11,480', BHL- 11,430'					
<b>Target Window:</b>	TBD					
	MD	INC	AZM	TVD	VS	DLS
<b>KOP</b>	10,907'	0.00	0.00	10,907'	0'	0.00
<b>EOB</b>	11,816'	90.86	177.52	11,480'	582'	10.00
<b>TD</b>	15,165'	90.86	177.52	11,430'	3,931'	0.00

**Hardlines:** Lateral- 660' from section lines  
Vertical- Actual section lines

**Notes:** Please note SHL and BHL from section/lease lines

**\*Contingency\*- This drilling plan will be used if hole problems are encountered while drilling the curve or lateral sections  
\*In this case a 7" drilling liner will be run in the curve and a 4-1/2" production liner will be used**

**Drilling Plan for  
Morris 3-8B1**

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**Estimated Geologic Markers:**

Formation	MD	TVD	Potential Hydrocarbons or Hazards
*Potential brackish	1,900'	1,900'	water flow from disposal up to 12 ppg equivalent
Upper Green River	5,983'	5,983'	*Potential Hydrocarbons
Lower Green River	8,692'	8,692'	*Potential Hydrocarbons *Potential brackish water flow from disposal up to 12.5 ppg equivalent
Wasatch	10,154'	10,154'	*Potential Hydrocarbons *Overpressure begins

**Estimated Bottom Hole Temperature:** 215 ° F

**Estimated Bottom Hole Pressure:** 8915 psi

**Casing Program**

Casing String	Hole Size	Casing Size	Depths				Weight	Grade	Thread	Notes
			Top		Bottom					
			MD	TVD	MD	TVD				
Surface Casing	17 1/2"	13 3/8"	0'	0'	1,600'	1,600'	61.#	J55	STC	*Surface Casing set just above expected brackish water flow to protect and isolate all shallow fresh water *Test casing to 1500 psi *FIT to 14.0 ppg upon drillout
Intermediate Cas	12 1/4"	9 5/8"	0'	0'	10,150'	10,150'	53.5#	P-110	LTC	*Intermediate Casing set just above top of Wasatch *Test casing to 3000 psi *FIT to 15.5 ppg upon drillout
Drilling Liner	8 1/2"	7"	9,900'	9,900'	11,816'	11,480'	29.#	P-110	BTC	*Drilling liner set through Landing Point of curve *Test Casing to 2000 psi *FIT to 15.5 ppg upon drillout
Production Casin	6 1/8"	4 1/2"	9,650'	9,650'	15,165'	11,430'	13.5#	P-110	BTC	

**Cement Program**

Slurry	Top	Btm	Wt	Yld	%Exc	Bbl	Sx	Notes
<b>Surface</b>								
Type III	0'	1,300'	12.5	2.17	50	241	624	
Type III	1,300'	1,600'	14.8	1.32	50	56	237	
<b>Intermediate</b>								
75/25 Poz/Class G	0'	5,683'	12.3	1.7	20	373	1231	
50/50 Poz/Class G	5,683'	10,150'	13.5	1.23	20	299	1365	*Top of Tail slurry for Intermediate Casing cement will isolate and protect Green River
<b>Drilling Liner</b>								
50/50 Poz/Class G	9,900'	11,816'	15.8	1.53	30	55	201	
<b>Production Liner</b>								
Class G	9,650'	15,165'	15.8	2.3	30	157	383	

Note: If no cement returns are brought to surface for surface casing, a top out job will be performed to bring returns to surface.

**Mud System**

Depth	Type	Max Weight		Notes
		(ppg)		
0' - 1,600'	Spud Mud	9.0		
1,600' - 10,150'	4% KCL Mud	12.0		Weight up as needed to control injection water flows
10,150' - 11,816'	Oil Based Mud	15.0		Weight up as needed to control abnormal pressure
11,816' - 15,165'	Oil Based Mud	15.0		Weight up as needed to control abnormal pressure

**\*Contingency\*- This drilling plan will be used if hole problems are encountered while drilling the curve or lateral sections  
\*In this case a 7" drilling liner will be run in the curve and a 4-1/2" production liner will be used**

**Drilling Plan for  
Morris 3-8B1**

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**Plans for Logging, Testing, and Coring**

Type	Details	Interval	Vendor
Open Hole	Array Induction- GR- SP- Cal	Intermediate TD to surf csg	TBD
Open Hole	Cross dipole sonic	Intermediate TD to surf csg	TBD
Open Hole	Array Induction- GR- SP- Cal	Base of curve to Intermediate csg shoe	TBD
Open Hole	Cross dipole sonic	Base of curve to Intermediate csg shoe	TBD
Mudlog	30' samples, 10' samples if slow	Surface Csg Shoe to TD	TBD
LWD	Gamma	Curve and Lateral	TBD
Cores	none	N/A	N/A
DST	none	N/A	N/A

**Pressure Control Equipment**

Wellhead Equipment	
<b>A/B Sections</b>	13-3/8" x 13-5/8" 5K/10K SOW w/multibowl
<b>DSA</b>	13-5/8" 10K x 11" 10K Crossover
<b>C Section</b>	11" 10K x 7-1/16" 10K Tubing Head
<b>Notes:</b> Casing head with multibowl will be installed on 13-3/8" csg and flange will be tested to 5K psi. 9-5/8" int csg will be landed in the multibowl. A 10k psi packoff will be installed on top of the int csg. At that time the same flange will be tested to 10k psi. Tubing head will be installed after setting production liner.	

BOP Stack- Top to Bottom				
Item	Size	Pressure		Comments
		Rated	Test	
Rotating Head	13-3/8"	500	N/A	Not tested
Annular	13-3/8"	5,000	3,500	Tested to 70%
Double Ram	13-3/8"	10,000	5K/10K	Top- pipe rams, Bottom- blind rams
Mud Cross	13-3/8"	10,000	5K/10K	For Kill and Choke lines
Kill Line	2"	10,000	5K/10K	Check valve & manual gate valve
Choke Line	3"	10,000	5K/10K	Hydraulic gate valve & manual gate valve
Single Ram	13-3/8"	10,000	5K/10K	Pipe rams
Choke Manifold (minimum requirements)				
Coflex Hose	3"	10,000	5K/10K	Choke line to manifold tee block
Manual Choke	3"	10,000	5K/10K	2 manual gate valves, line goes to separator
Panic Line	3"	10,000	5K/10K	2 manual gate valves, line goes to reserve pit
Hydraulic Chk	3"	10,000	5K/10K	2 manual gate valves, line goes to separator
<b>Notes:</b> BOPE will be tested to 5K psi upon initial installation and then 10k psi after setting the 9-5/8" int csg.				

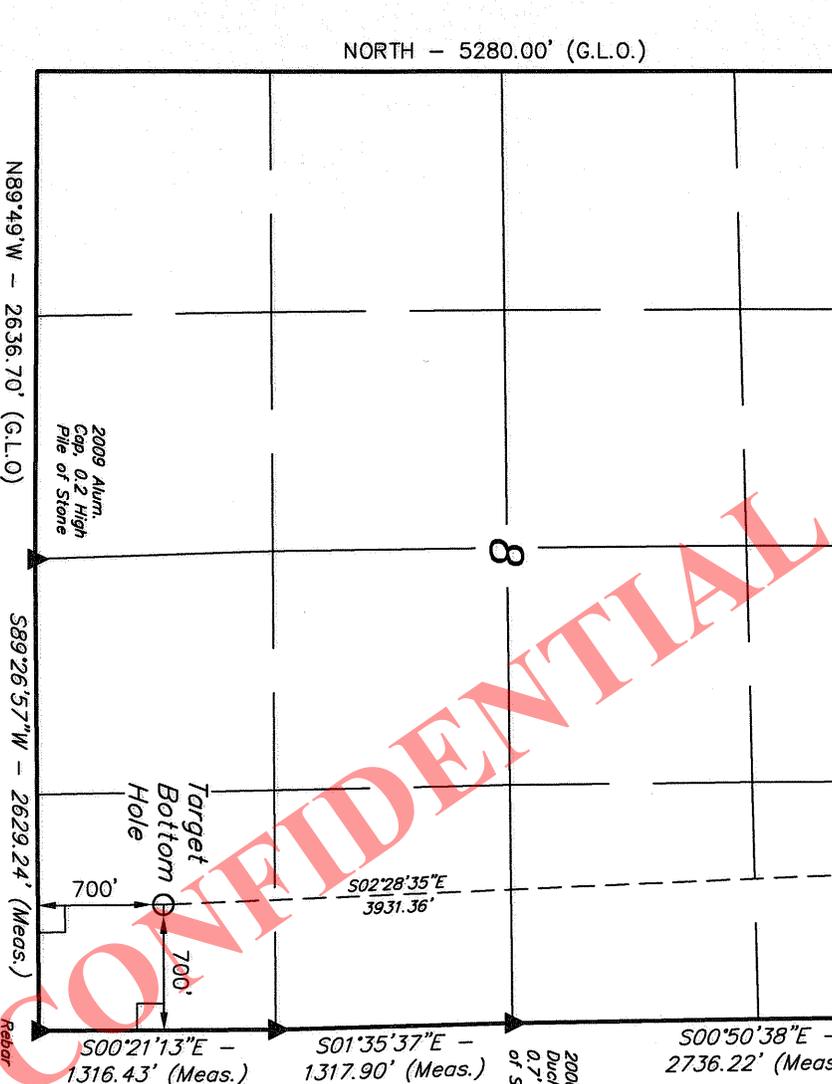
Other Pressure Control Equipment Notes:

- All well control equipment systems shall be in accordance with state of Utah regulatory agencies and rules.
- Equipment will be tested upon initial installation, after any repairs, after any seal is broken
- Equipment will be tested at 21 day intervals minimum
- Accumulator will have sufficient capacity to open the HCR valve, close all rams plus the annular preventer and retain 200 psi above pre-charge pressure without use of closing pumps
- Closing unit system will have two independent power sources to close the preventers

**T2S, R1W, U.S.B.&M.**

2003 Alum.  
Cap. Flush  
w/Ground 586°33'29"W - 2624.08' (Meas.)

**MORRIS #3-8B1**  
Elev. Ungraded Ground = 5370'



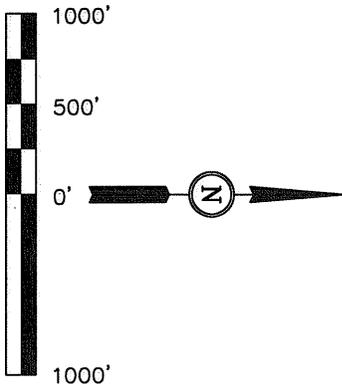
**DEVON ENERGY PRODUCTION COMPANY, LP**  
Well location, MORRIS #3-8B1, located as shown in the NE 1/4 NE 1/4 of Section 8, T2S, R1W, U.S.B.&M., Duchesne County, Utah.

**BASIS OF ELEVATION**

SPOT ELEVATION LOCATED AT THE SOUTHEAST CORNER OF SECTION 11, T2S, R1W, U.S.B.&M. TAKEN FROM THE ROOSEVELT QUADRANGLE, UTAH 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5076 FEET.

**BASIS OF BEARINGS**

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



**CERTIFICATE**

THIS IS TO CERTIFY THAT THE ABOVE PLOT 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  
KAY  
REGISTRATION NO. 161319  
STATE OF UTAH

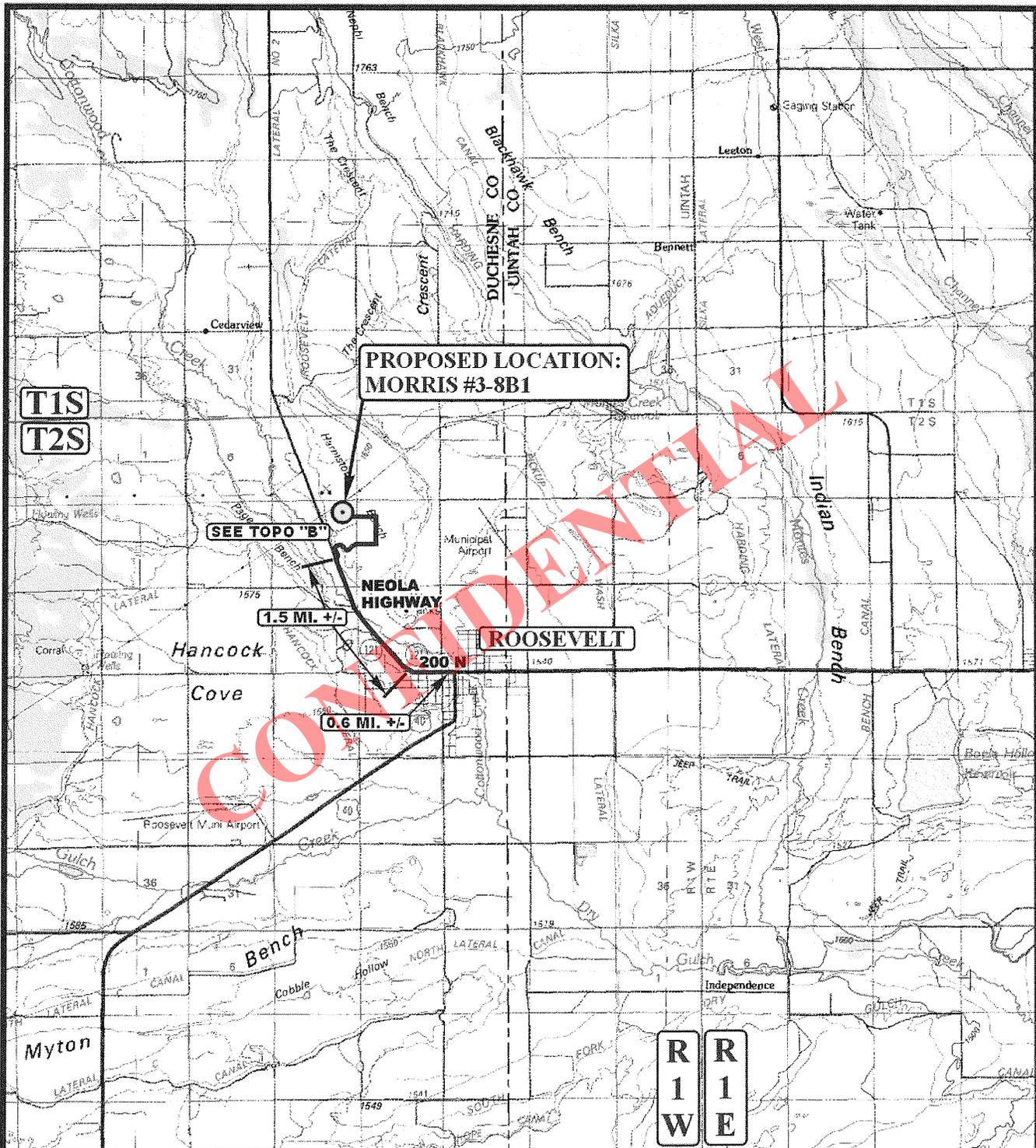
**LEGEND:**

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°19'06.77" (40.318547)	LATITUDE = 40°19'45.60" (40.329333)
LONGITUDE = 110°00'48.19" (110.013386)	LONGITUDE = 110°00'49.54" (110.013761)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°19'06.92" (40.318589)	LATITUDE = 40°19'45.75" (40.329375)
LONGITUDE = 110°00'45.65" (110.012681)	LONGITUDE = 110°00'47.00" (110.013056)
STATE PLANE NAD 27 N: 726542.46 E: 2414713.65	STATE PLANE NAD 27 N: 730469.39 E: 2414543.84

**UINTAH ENGINEERING & LAND SURVEYING**  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-30-12	DATE DRAWN: 09-10-12
PARTY C.R. T.E. Z.L.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE DEVON ENERGY PRODUCTION COMPANY, LP	



**LEGEND:**

⊙ PROPOSED LOCATION



DEVON ENERGY PRODUCTION COMPANY LP

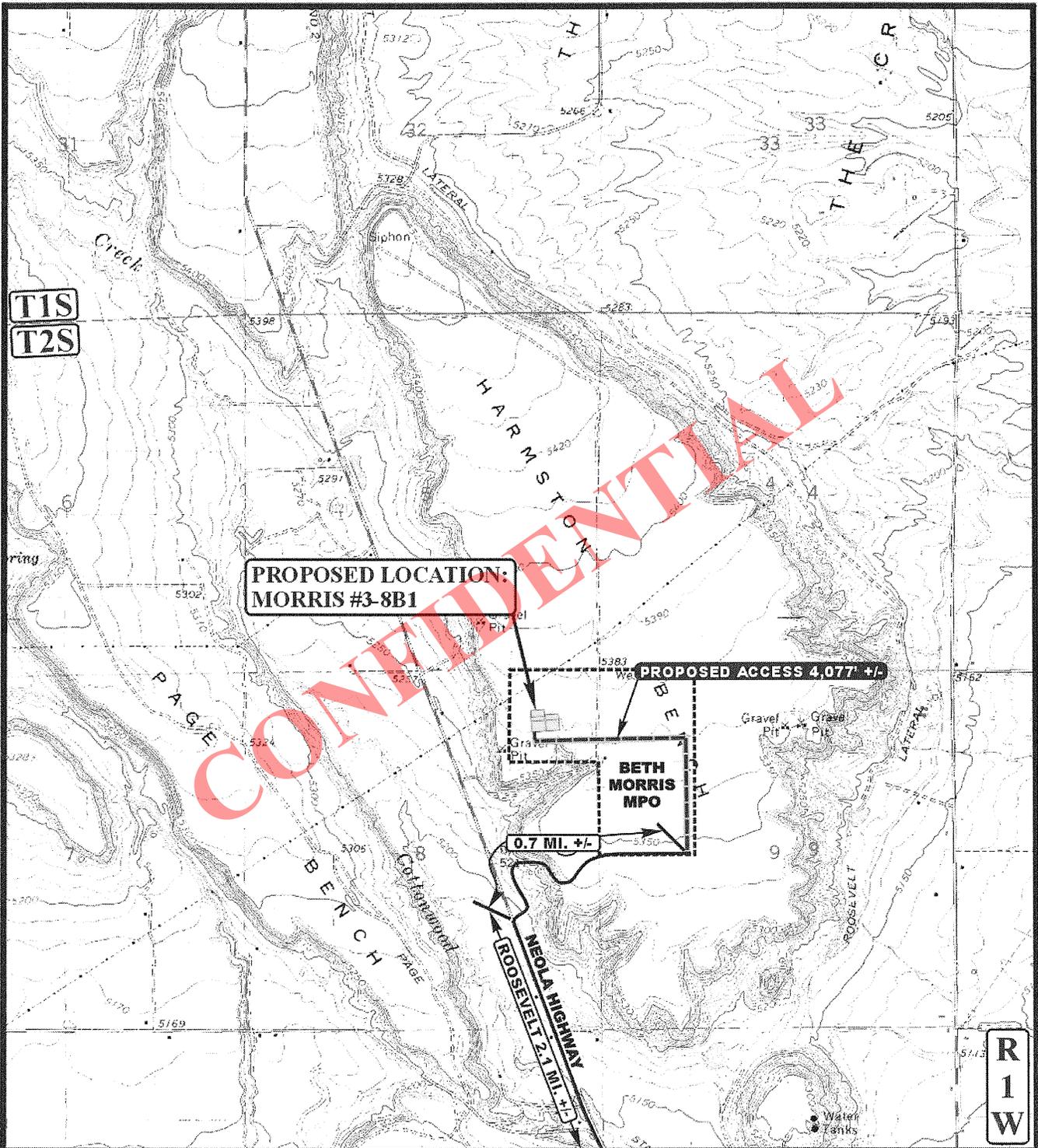
MORRIS #3-8B1  
SECTION 8, T2S, R1W, U.S.B.&M.  
700' FNL 800' FEL



Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

ACCESS ROAD MAP	09 MONTH	11 DAY	12 YEAR
SCALE: 1:100,000	DRAWN BY: C.I.		REVISED: 00-00-00





**LEGEND:**

	EXISTING ROAD
	PROPOSED ACCESS ROAD
	EXISTING ROAD NEEDS UPGRADED

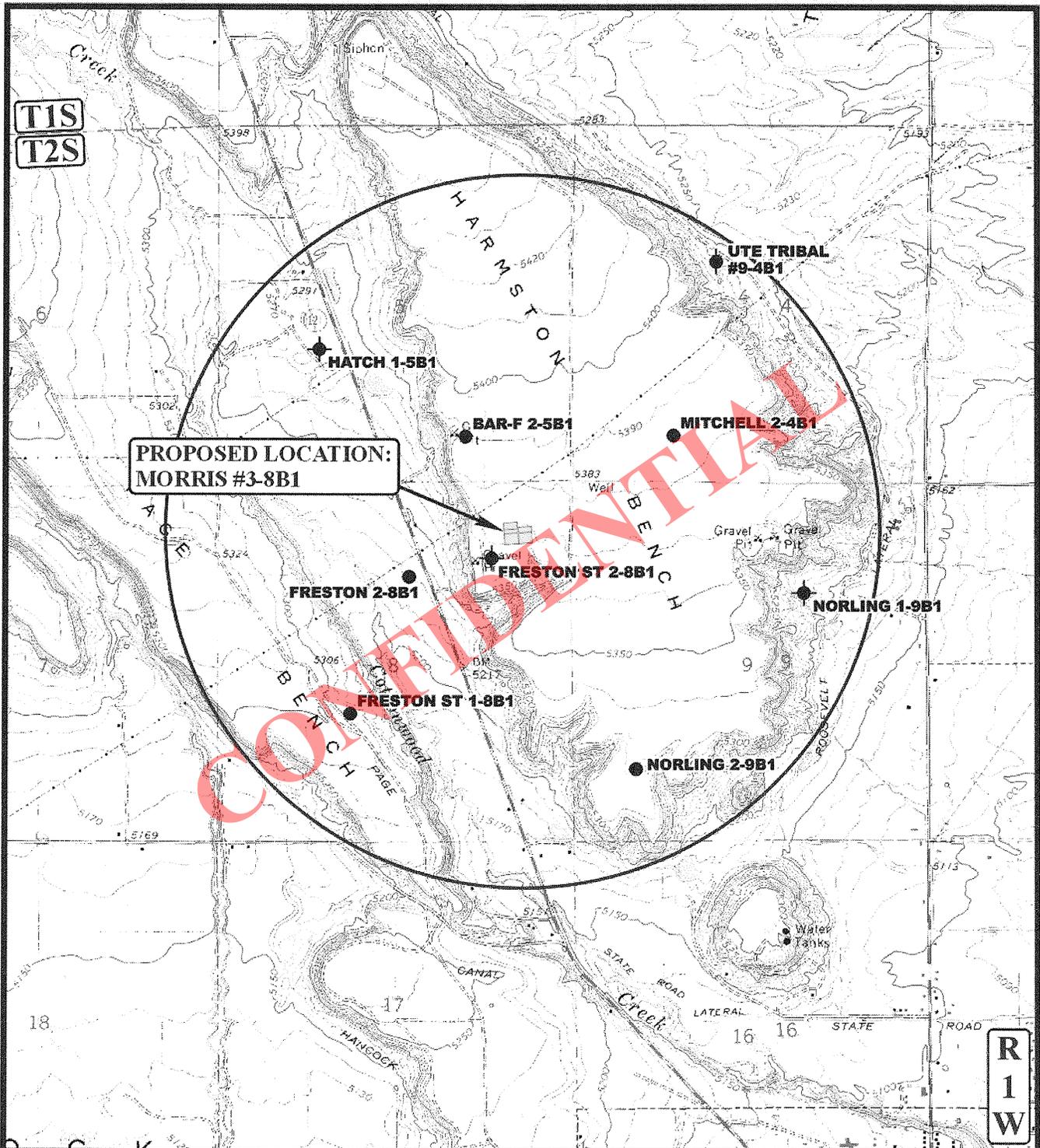


DEVON ENERGY PRODUCTION COMPANY LP  
**MORRIS #3-8B1**  
 SECTION 8, T2S, R1W, U.S.B.&M.  
 700' FNL 800' FEL

**U&L S** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

ACCESS ROAD MAP	09 MONTH	11 DAY	12 YEAR
SCALE: 1" = 2000'	DRAWN BY: C.I.		REVISED: 09-27-12

**B**  
TOPO



**LEGEND:**

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



DEVON ENERGY PRODUCTION COMPANY LP

**MORRIS #3-8B1**  
**SECTION 8, T2S, R1W, U.S.B.&M.**  
**700' FNL 800' FEL**



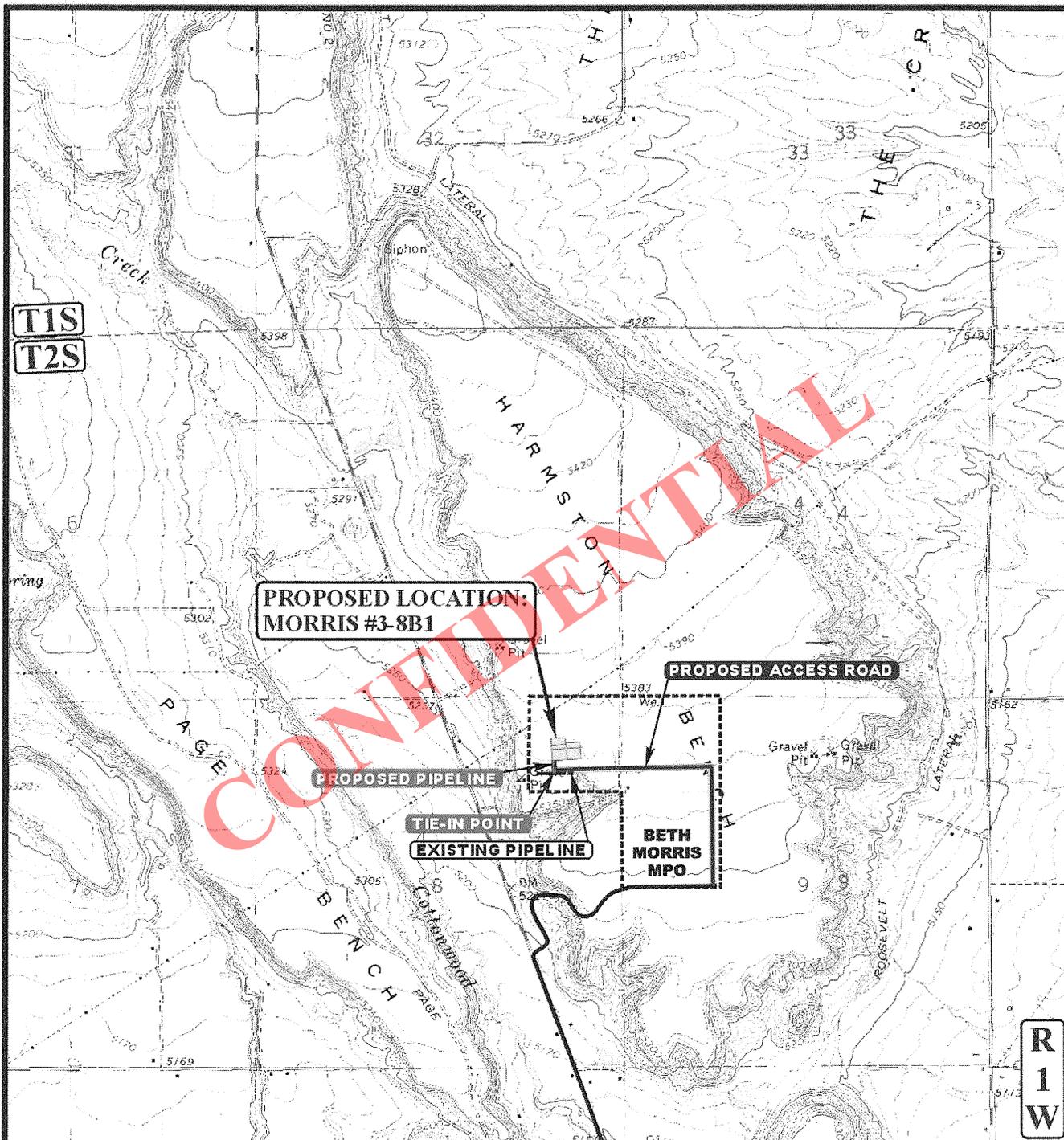
Utah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
 MAP

09	11	12
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: C.I. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 166' +/-

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE

DEVON ENERGY PRODUCTION COMPANY LP

**MORRIS #3-8B1**  
**SECTION 8, T2S, R1W, U.S.B.&M.**  
**700' FNL 800' FEL**



**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC**  
**MAP**

<b>09</b>	<b>11</b>	<b>12</b>
MONTH	DAY	YEAR

SCALE: 1" = 2000'    DRAWN BY: C.I.    REVISED: 09-27-12





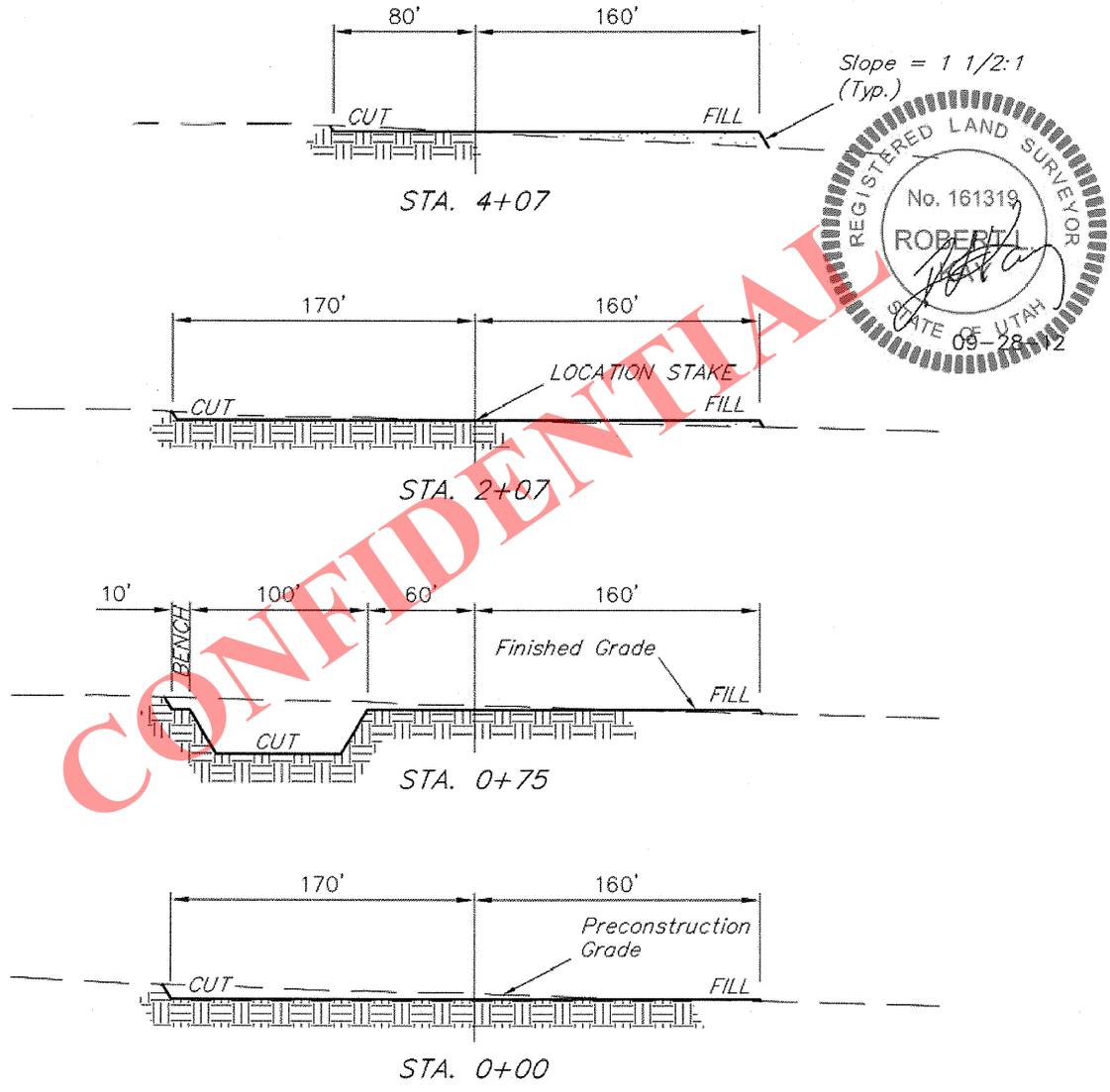
DEVON ENERGY PRODUCTION COMPANY, L.P.

FIGURE #2

TYPICAL CROSS SECTIONS FOR  
 MORRIS #3-8B1  
 SECTION 8, T2S, R1W, U.S.B.&M.  
 700' FNL 800' FEL

1" = 40'  
 X-Section Scale  
 1" = 100'

DATE: 09-10-12  
 DRAWN BY: Z.L.  
 REVISED: 09-27-12



NOTE:  
 Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE ACREAGES

WELL SITE DISTURBANCE	= ± 4.074 ACRES
ACCESS ROAD DISTURBANCE	= ± 2.790 ACRES
PIPELINE DISTURBANCE	= ± 0.097 ACRES
<b>TOTAL</b>	<b>= ± 6.961 ACRES</b>

\* NOTE:  
 FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	= 2,250 Cu. Yds.
Remaining Location	= 7,080 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 9,330 CU. YDS.</b>
<b>FILL</b>	<b>= 4,320 CU. YDS.</b>

EXCESS MATERIAL	= 5,010 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 5,010 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

DEVON ENERGY PRODUCTION COMPANY, L.P.

TYPICAL RIG LAYOUT FOR

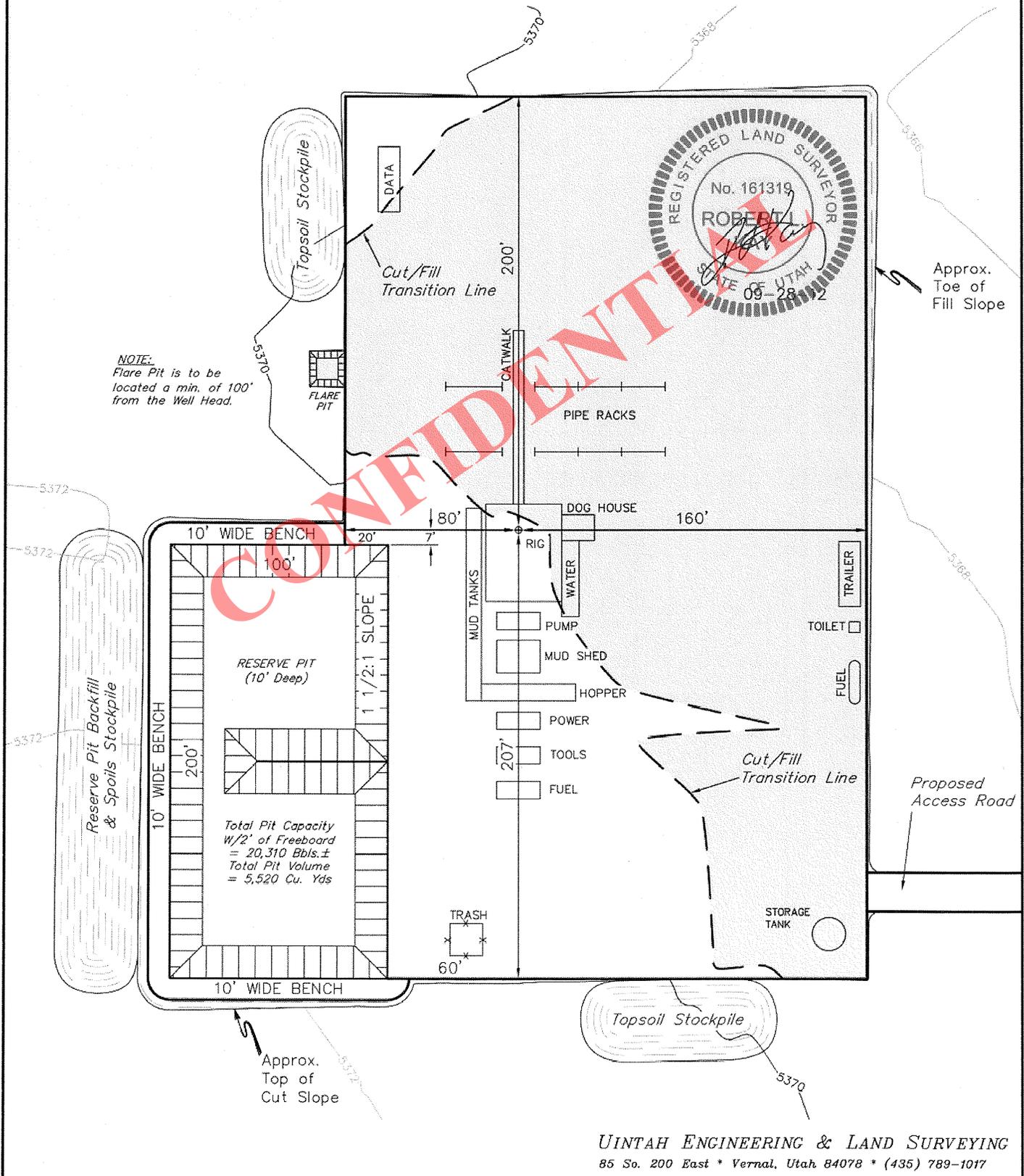
MORRIS #3-8B1

SECTION 8, T2S, R1W, U.S.B.&M.

700' FNL 800' FEL

FIGURE #3

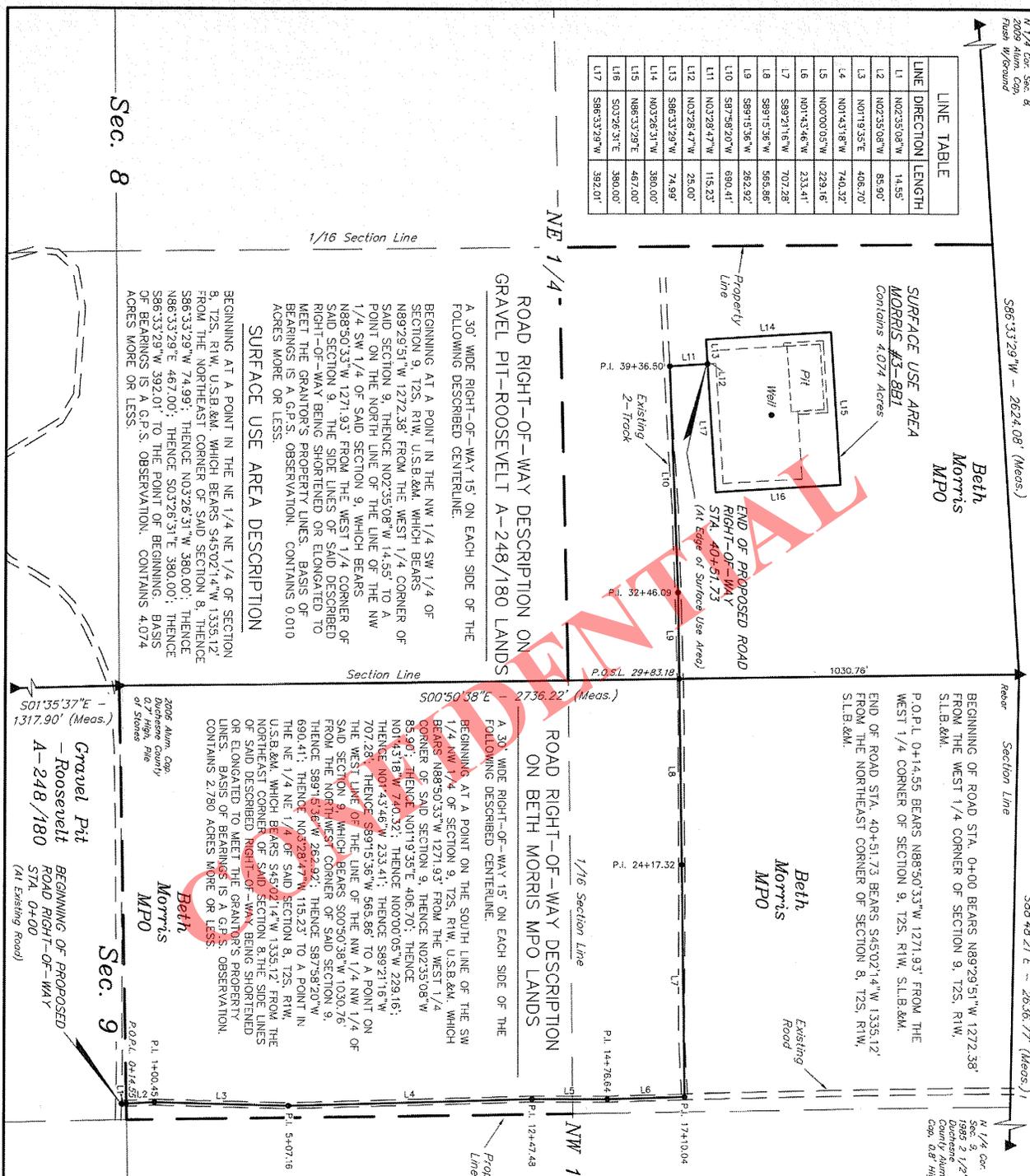
SCALE: 1" = 60'  
DATE: 09-10-12  
DRAWN BY: Z.L.  
REV: 09-27-12



NOTE:  
Flare Pit is to be located a min. of 100' from the Well Head.

**CONFIDENTIAL**

LINE	DIRECTION	LENGTH
L1	N02°35'08"W	14.55'
L2	N02°35'08"W	85.90'
L3	N01°19'35"E	406.70'
L4	N01°43'18"W	740.32'
L5	N00°00'05"W	229.16'
L6	N01°43'46"W	233.41'
L7	S89°21'16"W	707.28'
L8	S89°15'36"W	565.86'
L9	S89°15'36"W	282.82'
L10	S87°58'20"W	690.41'
L11	N03°28'47"W	115.23'
L12	N03°28'47"W	28.00'
L13	S86°33'29"W	74.99'
L14	N03°28'31"W	380.00'
L15	N86°33'29"E	467.00'
L16	S03°26'31"E	380.00'
L17	S86°33'29"W	394.01'



**DEVON ENERGY PRODUCTION COMPANY, L.P.**

**LOCATION SURFACE USE AREA & ROAD RIGHT-OF-WAY ON FEE LANDS**

(For MORRIS #3-881)

LOCATED IN SECTIONS 8 & 9, T2S, R1W, U.S.B.&M., DUCHESNE COUNTY, UTAH

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

RIGHT-OF-WAY LENGTHS

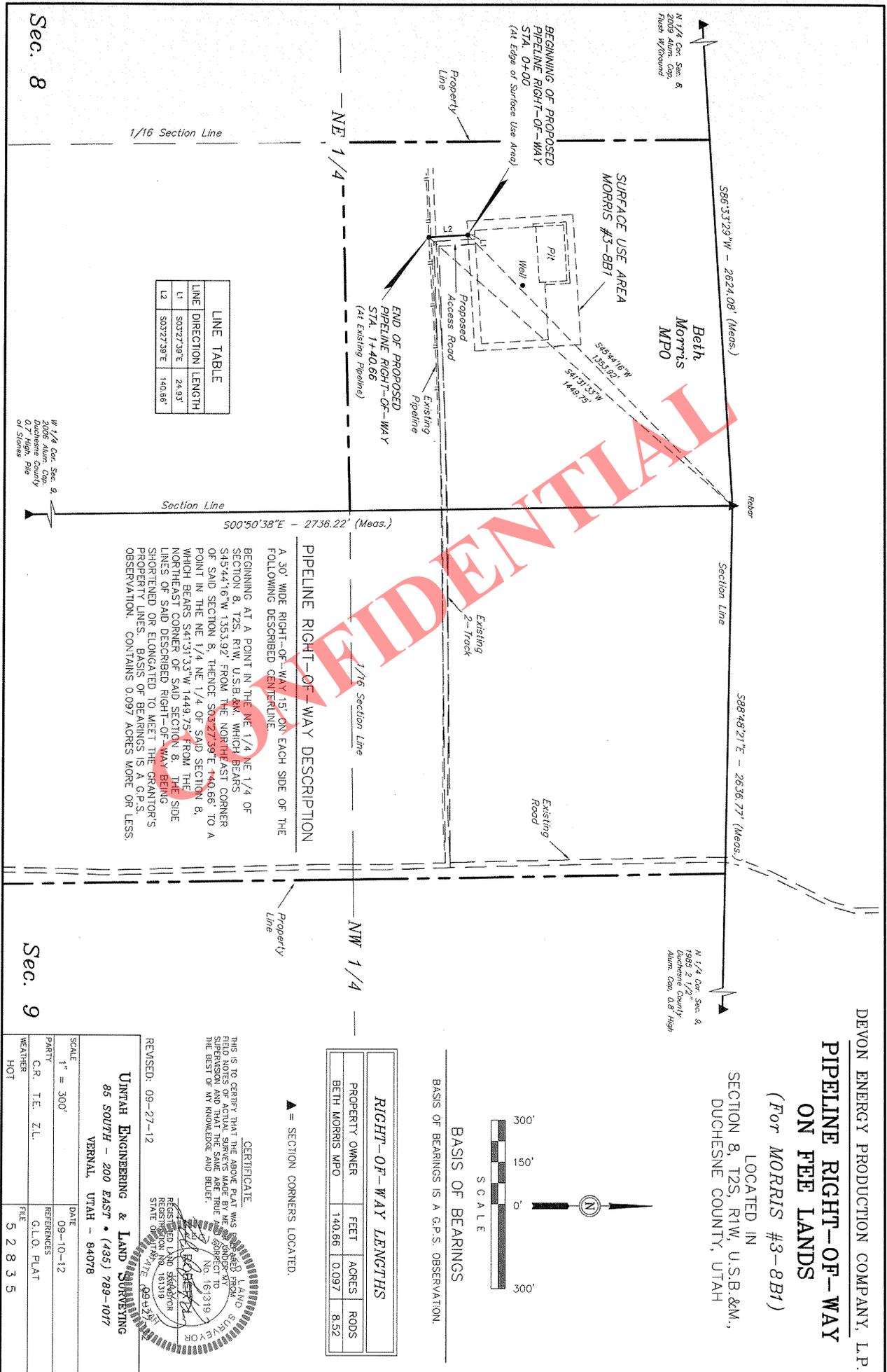
PROPERTY OWNER	FEET	ACRES	RODS
BETH MORRIS MPO	4037.18	2.780	24.468
GRAVEL PIT-ROOSEVELT 248/180	14.55	0.010	0.88

▲ = SECTION CORNERS LOCATED.

**CERTIFICATE**  
 THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM THE FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE TO THE BEST OF MY KNOWLEDGE AND BELIEF.  
 REGISTERED LAND SURVEYOR  
 STATE OF UTAH No. 16319  
 DATE OF EXPIRATION 09/10/12

REVISD: 09-27-12  
**UTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH - 200 EAST • (435) 789-1017  
 VERNAL, UTAH - 84078

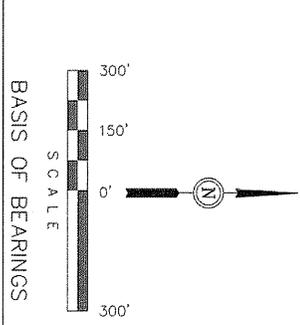
SCALE: 1" = 300'  
 PARTY: C.R. T.E. Z.L.  
 WEATHER: HOT  
 DATE: 09-10-12  
 REFERENCES: G.L.O. PLAT  
 FILE: 5 2 8 3 4



LINE	DIRECTION	LENGTH
L1	S032727.39°E	24.93'
L2	S032727.39°E	140.66'

**PIPELINE RIGHT-OF-WAY DESCRIPTION**  
 A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.  
 BEGINNING AT A POINT IN THE NE 1/4 NE 1/4 OF SECTION 8, T2S, R1W, U.S.B.&M., WHICH BEARS S45°44'16"W 1353.92' FROM THE NORTHEAST CORNER OF SAID SECTION 8, THENCE S032727.39°E 140.66' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 8, WHICH BEARS S41°31'33"W 1449.75' FROM THE NORTHEAST CORNER OF SAID SECTION 8, THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANITOR'S PROPERTY LINES. BASIS OF BEARINGS IS A G.P.S. OBSERVATION. CONTAINS 0.097 ACRES MORE OR LESS.

RIGHT-OF-WAY LENGTHS			
PROPERTY OWNER	FEET	ACRES	RODS
BETH MORRIS MPO	140.66	0.097	8.52



DEVON ENERGY PRODUCTION COMPANY, L.P.  
**PIPELINE RIGHT-OF-WAY ON FEE LANDS**  
 (For MORRIS #3-8B1)  
 LOCATED IN SECTION 8, T2S, R1W, U.S.B.&M., DUCHESNE COUNTY, UTAH

REVISIONS:

SCALE	DATE
1" = 300'	09-10-12

UIMAH ENGINEERING & LAND SURVEYING  
 85 SOUTH - 200 EAST • (435) 789-1017  
 VERNAL, UTAH - 84078

REGISTERED LAND SURVEYOR  
 STATE OF UTAH  
 REGISTRATION NO. 181319  
 EXPIRES 09-10-13

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 & CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

NO. 181319

WEATHER HOT

DEVON ENERGY PRODUCTION COMPANY LP  
MORRIS #3-8B1  
SECTION 8, T2S, R1W, U.S.B.&M.  
DUCHENSE COUNTY, UTAH

PROCEED IN AN WESTERLY DIRECTION FROM ROOSEVELT, UTAH ALONG 200 NORTH APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND NEOLA HIGHWAY TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN NORTHERLY, THEN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY, THEN WESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 4,077' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM ROOSEVELT, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 3.5 MILES.

# DEVON ENERGY PRODUCTION COMPANY LP

MORRIS #3-8B1  
LOCATED IN DUCHENSE COUNTY, UTAH  
SECTION 8, T2S, R1W, U.S.B.&M.

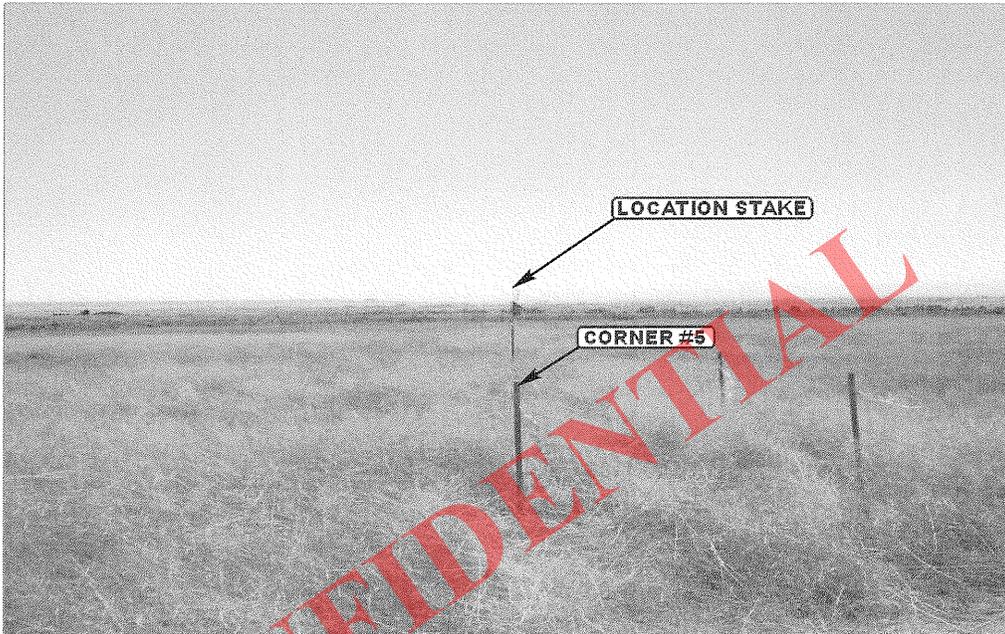


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHERLY

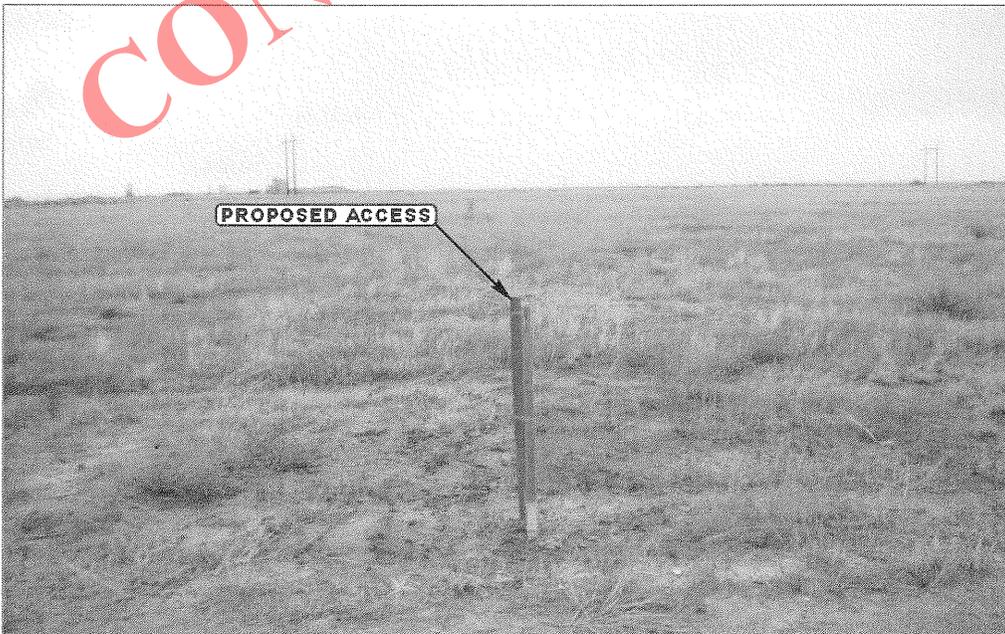


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

LOCATION PHOTOS	09	11	12	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: C.R.	DRAWN BY: C.I.		REVISED: 09-27-12	

# DEVON ENERGY

Project: Duchesne County, UT (NAD-83)  
 Site: Morris  
 Well: 3-8B1  
 Wellbore: OH  
 Design: Plan #1



Azimuths to True North  
 Magnetic North: 11.12°

Magnetic Field  
 Strength: 52263.8snT  
 Dip Angle: 65.99°  
 Date: 02/27/2013  
 Model: IGRF2010



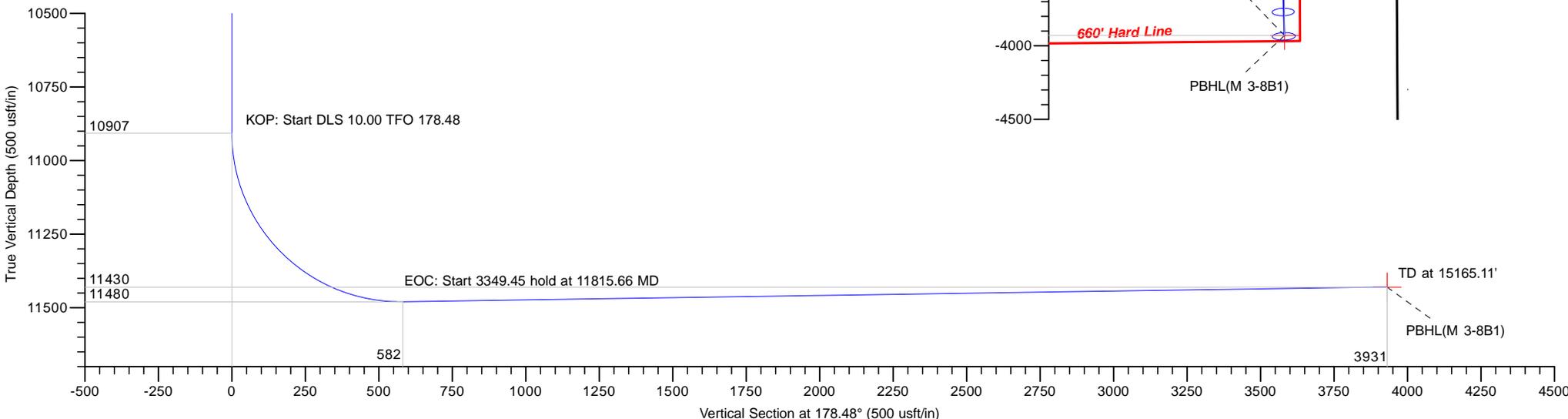
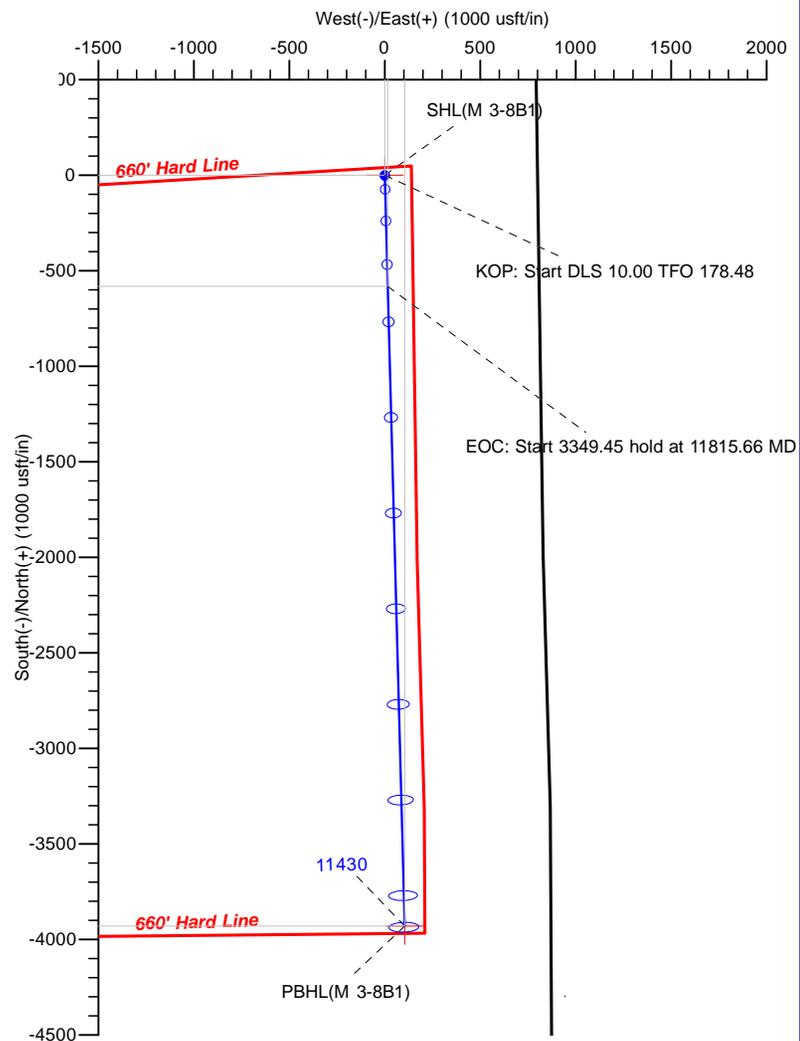
CONFIDENTIAL

### DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL(M 3-8B1)	0.00	0.00	0.00	7292131.14	2054752.96	40° 19' 45.600 N	110° 0' 49.540 W
PBHL(M 3-8B1)	11430.00	-3929.20	104.56	7288204.22	2054922.80	40° 19' 6.770 N	110° 0' 48.190 W

### SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	Vsect	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	10907.11	0.00	0.00	10907.11	0.00	0.00	0.00	0.00	0.00	KOP: Start DLS 10.00 TFO 178.48
3	11815.66	90.86	178.48	11480.00	-581.31	15.47	10.00	178.48	581.51	EOC: Start 3349.45 hold at 11815.66 MD
4	15165.11	90.86	178.48	11430.00	-3929.20	104.56	0.00	0.00	3930.59	TD at 15165.11'



**LEAM DRILLING SYSTEMS LLC**  
 2010 East Davis, Conroe, Texas 77301  
 Phone: 936/756-7577, Fax 936/756-7595

Plan: Plan #1 (3-8B1/OH)  
 Morris  
 Created By: Tyler Carlson  
 Date: 13:00, February 27 2013

RECEIVED: February 28, 2013

**LEAM Drilling Systems LLC**

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 3-8B1
<b>Company:</b>	DEVON ENERGY	<b>TVD Reference:</b>	GE 5370' + KB 22' @ 5392.00usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT (NAD-83)	<b>MD Reference:</b>	GE 5370' + KB 22' @ 5392.00usft (Original Well Elev)
<b>Site:</b>	Morris	<b>North Reference:</b>	True
<b>Well:</b>	3-8B1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #1		

<b>Project</b>	Duchesne County, UT (NAD-83)		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

<b>Site</b>	Morris				
<b>Site Position:</b>		<b>Northing:</b>	7,292,131.14 usft	<b>Latitude:</b>	40° 19' 45.600 N
<b>From:</b>	Lat/Long	<b>Easting:</b>	2,054,752.96 usft	<b>Longitude:</b>	110° 0' 49.540 W
<b>Position Uncertainty:</b>	0.00 usft	<b>Slot Radius:</b>	13-3/16 "	<b>Grid Convergence:</b>	0.95 °

<b>Well</b>	3-8B1					
<b>Well Position</b>	<b>+N/-S</b>	0.00 usft	<b>Northing:</b>	7,292,131.14 usft	<b>Latitude:</b>	40° 19' 45.600 N
	<b>+E/-W</b>	0.00 usft	<b>Easting:</b>	2,054,752.96 usft	<b>Longitude:</b>	110° 0' 49.540 W
<b>Position Uncertainty</b>		0.00 usft	<b>Wellhead Elevation:</b>		<b>Ground Level:</b>	5,370.00 usft

<b>Wellbore</b>	OH				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	02/27/13	11.12	65.99	52,264

<b>Design</b>	Plan #1			
<b>Audit Notes:</b>				
<b>Version:</b>	<b>Phase:</b>	PLAN	<b>Tie On Depth:</b>	0.00
<b>Vertical Section:</b>	<b>Depth From (TVD) (usft)</b>	<b>+N/-S (usft)</b>	<b>+E/-W (usft)</b>	<b>Direction (°)</b>
	0.00	0.00	0.00	178.48

<b>Plan Sections</b>										
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	
10,907.11	0.00	0.00	10,907.11	0.00	0.00	0.00	0.00	0.00	0.00	
11,815.66	90.86	178.48	11,480.00	-581.31	15.47	10.00	10.00	19.64	178.48	
15,165.11	90.86	178.48	11,430.00	-3,929.20	104.56	0.00	0.00	0.00	0.00	PBHL(M 3-8B1)

**LEAM Drilling Systems LLC**

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 3-8B1
<b>Company:</b>	DEVON ENERGY	<b>TVD Reference:</b>	GE 5370' + KB 22' @ 5392.00usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT (NAD-83)	<b>MD Reference:</b>	GE 5370' + KB 22' @ 5392.00usft (Original Well Elev)
<b>Site:</b>	Morris	<b>North Reference:</b>	True
<b>Well:</b>	3-8B1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #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	
600.00	0.00	0.00	600.00	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	
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00	
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00	
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00	

**LEAM Drilling Systems LLC**

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 3-8B1
<b>Company:</b>	DEVON ENERGY	<b>TVD Reference:</b>	GE 5370' + KB 22' @ 5392.00usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT (NAD-83)	<b>MD Reference:</b>	GE 5370' + KB 22' @ 5392.00usft (Original Well Elev)
<b>Site:</b>	Morris	<b>North Reference:</b>	True
<b>Well:</b>	3-8B1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #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)	
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5,983.00	0.00	0.00	5,983.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Upper Green River</b>										
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,400.00	0.00	0.00	6,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,500.00	0.00	0.00	6,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,600.00	0.00	0.00	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,700.00	0.00	0.00	6,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,800.00	0.00	0.00	6,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6,900.00	0.00	0.00	6,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,000.00	0.00	0.00	7,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,100.00	0.00	0.00	7,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,200.00	0.00	0.00	7,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,300.00	0.00	0.00	7,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,400.00	0.00	0.00	7,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,500.00	0.00	0.00	7,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,600.00	0.00	0.00	7,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,700.00	0.00	0.00	7,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,800.00	0.00	0.00	7,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7,900.00	0.00	0.00	7,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,000.00	0.00	0.00	8,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,100.00	0.00	0.00	8,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,200.00	0.00	0.00	8,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,300.00	0.00	0.00	8,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,400.00	0.00	0.00	8,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,500.00	0.00	0.00	8,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,600.00	0.00	0.00	8,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,692.00	0.00	0.00	8,692.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Lower Green River</b>										
8,700.00	0.00	0.00	8,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,800.00	0.00	0.00	8,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8,900.00	0.00	0.00	8,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,000.00	0.00	0.00	9,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,100.00	0.00	0.00	9,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,200.00	0.00	0.00	9,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,300.00	0.00	0.00	9,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,400.00	0.00	0.00	9,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,500.00	0.00	0.00	9,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,600.00	0.00	0.00	9,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,700.00	0.00	0.00	9,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,800.00	0.00	0.00	9,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9,900.00	0.00	0.00	9,900.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**LEAM Drilling Systems LLC**

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 3-8B1
<b>Company:</b>	DEVON ENERGY	<b>TVD Reference:</b>	GE 5370' + KB 22' @ 5392.00usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT (NAD-83)	<b>MD Reference:</b>	GE 5370' + KB 22' @ 5392.00usft (Original Well Elev)
<b>Site:</b>	Morris	<b>North Reference:</b>	True
<b>Well:</b>	3-8B1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #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)	
10,000.00	0.00	0.00	10,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,100.00	0.00	0.00	10,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,154.00	0.00	0.00	10,154.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>Wasatch</b>										
10,200.00	0.00	0.00	10,200.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,300.00	0.00	0.00	10,300.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,400.00	0.00	0.00	10,400.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,500.00	0.00	0.00	10,500.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,600.00	0.00	0.00	10,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,700.00	0.00	0.00	10,700.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,800.00	0.00	0.00	10,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10,907.11	0.00	0.00	10,907.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<b>KOP: Start DLS 10.00 TFO 178.48</b>										
10,950.00	4.29	178.48	10,949.96	-1.60	0.04	1.60	10.00	10.00	0.00	0.00
11,000.00	9.29	178.48	10,999.59	-7.51	0.20	7.51	10.00	10.00	0.00	0.00
11,050.00	14.29	178.48	11,048.52	-17.72	0.47	17.73	10.00	10.00	0.00	0.00
11,100.00	19.29	178.48	11,096.38	-32.15	0.86	32.16	10.00	10.00	0.00	0.00
11,150.00	24.29	178.48	11,142.79	-50.70	1.35	50.72	10.00	10.00	0.00	0.00
11,200.00	29.29	178.48	11,187.41	-73.22	1.95	73.25	10.00	10.00	0.00	0.00
11,250.00	34.29	178.48	11,229.90	-99.54	2.65	99.58	10.00	10.00	0.00	0.00
11,300.00	39.29	178.48	11,269.93	-129.46	3.45	129.51	10.00	10.00	0.00	0.00
11,350.00	44.29	178.48	11,307.19	-162.76	4.33	162.82	10.00	10.00	0.00	0.00
11,400.00	49.29	178.48	11,341.42	-199.18	5.30	199.25	10.00	10.00	0.00	0.00
11,450.00	54.29	178.48	11,372.34	-238.44	6.35	238.52	10.00	10.00	0.00	0.00
11,500.00	59.29	178.48	11,399.71	-280.24	7.46	280.34	10.00	10.00	0.00	0.00
11,550.00	64.29	178.48	11,423.34	-324.28	8.63	324.39	10.00	10.00	0.00	0.00
11,600.00	69.29	178.48	11,443.04	-370.20	9.85	370.33	10.00	10.00	0.00	0.00
11,650.00	74.29	178.48	11,458.66	-417.66	11.11	417.81	10.00	10.00	0.00	0.00
11,700.00	79.29	178.48	11,470.09	-466.31	12.41	466.47	10.00	10.00	0.00	0.00
11,750.00	84.29	178.48	11,477.22	-515.76	13.73	515.94	10.00	10.00	0.00	0.00
11,800.00	89.29	178.48	11,480.02	-565.65	15.05	565.85	10.00	10.00	0.00	0.00
11,815.66	90.86	178.48	11,480.00	-581.31	15.47	581.51	10.00	10.00	0.00	0.00
<b>EOC: Start 3349.45 hold at 11815.66 MD</b>										
11,900.00	90.86	178.48	11,478.75	-665.60	17.71	665.84	0.00	0.00	0.00	0.00
12,000.00	90.86	178.48	11,477.25	-765.56	20.37	765.83	0.00	0.00	0.00	0.00
12,100.00	90.86	178.48	11,475.76	-865.51	23.03	865.82	0.00	0.00	0.00	0.00
12,200.00	90.86	178.48	11,474.27	-965.46	25.69	965.80	0.00	0.00	0.00	0.00
12,300.00	90.86	178.48	11,472.77	-1,065.42	28.35	1,065.79	0.00	0.00	0.00	0.00
12,400.00	90.86	178.48	11,471.28	-1,165.37	31.01	1,165.78	0.00	0.00	0.00	0.00
12,500.00	90.86	178.48	11,469.79	-1,265.32	33.67	1,265.77	0.00	0.00	0.00	0.00
12,600.00	90.86	178.48	11,468.29	-1,365.28	36.33	1,365.76	0.00	0.00	0.00	0.00
12,700.00	90.86	178.48	11,466.80	-1,465.23	38.99	1,465.75	0.00	0.00	0.00	0.00
12,800.00	90.86	178.48	11,465.31	-1,565.18	41.65	1,565.74	0.00	0.00	0.00	0.00
12,900.00	90.86	178.48	11,463.82	-1,665.14	44.31	1,665.73	0.00	0.00	0.00	0.00
13,000.00	90.86	178.48	11,462.32	-1,765.09	46.97	1,765.72	0.00	0.00	0.00	0.00
13,100.00	90.86	178.48	11,460.83	-1,865.04	49.63	1,865.70	0.00	0.00	0.00	0.00
13,200.00	90.86	178.48	11,459.34	-1,965.00	52.29	1,965.69	0.00	0.00	0.00	0.00
13,300.00	90.86	178.48	11,457.84	-2,064.95	54.95	2,065.68	0.00	0.00	0.00	0.00
13,400.00	90.86	178.48	11,456.35	-2,164.90	57.61	2,165.67	0.00	0.00	0.00	0.00
13,500.00	90.86	178.48	11,454.86	-2,264.86	60.27	2,265.66	0.00	0.00	0.00	0.00
13,600.00	90.86	178.48	11,453.37	-2,364.81	62.93	2,365.65	0.00	0.00	0.00	0.00

**LEAM Drilling Systems LLC**

Planning Report

<b>Database:</b>	EDM 5000.1 Single User Db	<b>Local Co-ordinate Reference:</b>	Well 3-8B1
<b>Company:</b>	DEVON ENERGY	<b>TVD Reference:</b>	GE 5370' + KB 22' @ 5392.00usft (Original Well Elev)
<b>Project:</b>	Duchesne County, UT (NAD-83)	<b>MD Reference:</b>	GE 5370' + KB 22' @ 5392.00usft (Original Well Elev)
<b>Site:</b>	Morris	<b>North Reference:</b>	True
<b>Well:</b>	3-8B1	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	OH		
<b>Design:</b>	Plan #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)	
13,700.00	90.86	178.48	11,451.87	-2,464.76	65.59	2,465.64	0.00	0.00	0.00	
13,800.00	90.86	178.48	11,450.38	-2,564.72	68.25	2,565.63	0.00	0.00	0.00	
13,900.00	90.86	178.48	11,448.89	-2,664.67	70.91	2,665.62	0.00	0.00	0.00	
14,000.00	90.86	178.48	11,447.39	-2,764.63	73.57	2,765.60	0.00	0.00	0.00	
14,100.00	90.86	178.48	11,445.90	-2,864.58	76.23	2,865.59	0.00	0.00	0.00	
14,200.00	90.86	178.48	11,444.41	-2,964.53	78.89	2,965.58	0.00	0.00	0.00	
14,300.00	90.86	178.48	11,442.92	-3,064.49	81.55	3,065.57	0.00	0.00	0.00	
14,400.00	90.86	178.48	11,441.42	-3,164.44	84.21	3,165.56	0.00	0.00	0.00	
14,500.00	90.86	178.48	11,439.93	-3,264.39	86.87	3,265.55	0.00	0.00	0.00	
14,600.00	90.86	178.48	11,438.44	-3,364.35	89.53	3,365.54	0.00	0.00	0.00	
14,700.00	90.86	178.48	11,436.94	-3,464.30	92.19	3,465.53	0.00	0.00	0.00	
14,800.00	90.86	178.48	11,435.45	-3,564.25	94.85	3,565.51	0.00	0.00	0.00	
14,900.00	90.86	178.48	11,433.96	-3,664.21	97.51	3,665.50	0.00	0.00	0.00	
15,000.00	90.86	178.48	11,432.47	-3,764.16	100.17	3,765.49	0.00	0.00	0.00	
15,100.00	90.86	178.48	11,430.97	-3,864.11	102.83	3,865.48	0.00	0.00	0.00	
15,165.11	90.86	178.48	11,430.00	-3,929.20	104.56	3,930.59	0.00	0.00	0.00	
<b>TD at 15165.11'</b>										

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	
SHL(M 3-8B1) - plan hits target center - Point	0.00	0.00	0.00	0.00	0.00	7,292,131.14	2,054,752.96	40° 19' 45.600 N	110° 0' 49.540 W	
PBHL(M 3-8B1) - plan hits target center - Point	0.00	0.00	11,430.00	-3,929.20	104.56	7,288,204.22	2,054,922.79	40° 19' 6.770 N	110° 0' 48.190 W	

Formations						
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)	
5,983.00	5,983.00	Upper Green River		0.00		
8,692.00	8,692.00	Lower Green River		0.00		
10,154.00	10,154.00	Wasatch		0.00		

Plan Annotations					
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment	
		+N/-S (usft)	+E/-W (usft)		
10,907.11	10,907.11	0.00	0.00	KOP: Start DLS 10.00 TFO 178.48	
11,815.66	11,480.00	-581.31	15.47	EOC: Start 3349.45 hold at 11815.66 MD	
15,165.11	11,430.00	-3,929.20	104.56	TD at 15165.11'	

**Well Name:** Morris 3-8B1  
**Target:** Wasatch  
**County, State:** Duchesne, UT  
**SH Location:** 700' FNL, 800' FEL, Section 8, T2S, R1W, U.S.B.&M.  
**BH Location:** 700' FSL, 700' FEL, Section 8, T2S, R1W, U.S.B.&M.  
**SHL Latitude:** 40.329333° N  
**SHL Longitude:** 110.013761° W  
**BHL Latitude:** 40.318547° N  
**BHL Longitude:** 110.013386° W  
**Coordinates:** NAD 83

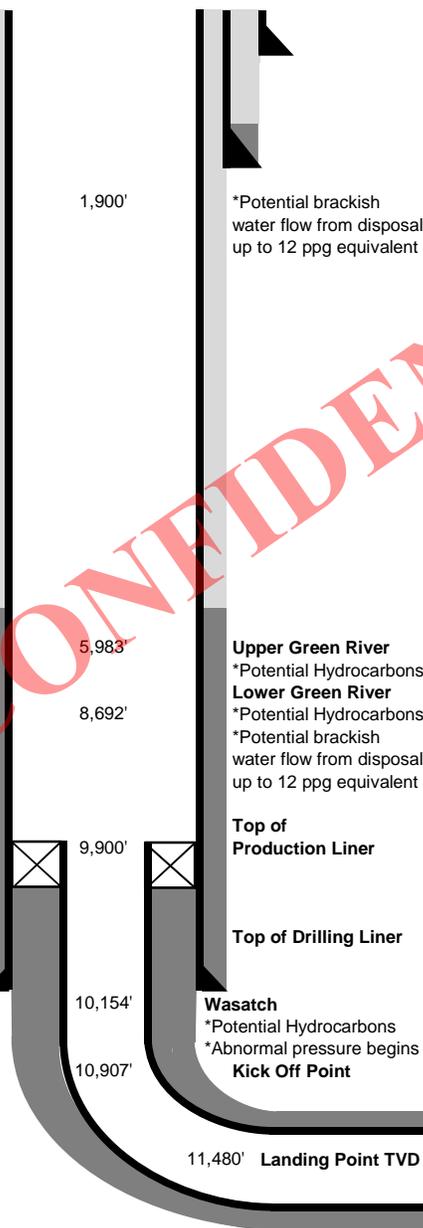
**Conductor**  
 OD: 20" Hole Size: 30"  
 Wt: Setting Depth: 80'  
**Surface Casing**  
 OD: 13 3/8" Hole Size: 17 1/2"  
 Wt: 61.# Setting Depth: 1,600'  
 Grd: J55  
 Con: STC

\*Surface Casing set just above expected brackish water flow to protect and isolate all shallow fresh water  
 \*Test casing to 1500 psi  
 \*FIT to 14.0 ppg

\*Top of Tail slurry for Intermediate Casing cement will isolate and protect Green River

**Intermediate Casing**  
 OD: 9 5/8" Hole Size: 12 1/4"  
 Wt: 53.5# Setting Depth: 10,150'  
 Grd: P-110  
 Con: LTC

\*Intermediate Casing set just above top of Wasatch  
 \*Test casing to 3000 psi  
 \*FIT to 15.5 ppg



Wellhead Equipment	
<b>A/B Sections</b>	13-3/8" x 13-5/8" 5K/10K SOW w/multibowl
<b>DSA</b>	13-5/8" 10K x 11" 10K Crossover
<b>C Section</b>	11" 10K x 7-1/16" 10K Tubing Head

**Notes:** Casing head with multibowl will be installed on 13-3/8" csg and flange will be tested to 5K psi. 9-5/8" int csg will be landed in the multibowl. A 10k psi packoff will be installed on top of the int csg. At that time the same flange will be tested to 10k psi. Tubing head will be installed after setting production liner.

BOP Stack- Top to Bottom				
Item	Size	Rated Psi	Psi Test	Comments
Rotating Head	13-3/8"	500	N/A	Not tested
Annular	13-3/8"	5,000	3,500	Tested to 70%
Double Ram	13-3/8"	10,000	5K/10K	Top- pipe, Bottom- blind
Mud Cross	13-3/8"	10,000	5K/10K	For Kill and Choke lines
Kill Line	2"	10,000	5K/10K	Check & manual valve
Choke Line	3"	10,000	5K/10K	Hydraulic & manual valve
Single Ram	13-3/8"	10,000	5K/10K	Pipe Rams

Choke Manifold (minimum requirements)				
Coflex Hose	3"	10,000	5K/10K	Choke line to tee block
Manual Choke	3"	10,000	5K/10K	2 valves, to separator
Panic Line	3"	10,000	5K/10K	2 valves, to reserve pit
Hydraulic Chk	3"	10,000	5K/10K	2 valves, to separator

**Notes:** BOPE will be tested to 5K psi upon initial installation and then 10k psi after setting the 9-5/8" int csg.

Mud			
Depth	Type	Max Weight (ppg)	
0' - 1,600'	Spud Mud	9.0	
1,600' - 10,150'	4% KCL Mud	12.0	
10,150' - 11,816'	Oil Based Mud	15.0	
11,816' - 15,165'	Oil Based Mud	15.0	

Cement							
Slurry	Top	Btm	Wt	Yld	%Exc	Bbl	Sx
<b>Surface</b>							
Type III	0'	1,300'	12.5	2.17	50	241	624
Type III	1,300'	1,600'	14.8	1.32	50	56	237
<b>Intermediate</b>							
75/25 Poz/Class G	0'	5,683'	12.3	1.7	20	373	1231
50/50 Poz/Class G	5,683'	10,150'	13.5	1.23	20	299	1365
<b>Production Liner</b>							
Class G	9,900'	15,165'	15.8	2.3	30	276	675

Note: If no cement returns are brought to surface for surface casing, a top out job will be performed to bring returns to surface.

Hole Size: 8 1/2"  
 Setting Depth: 15,165'  
 BHL TVD: 11,430'  
**Production Casing**  
 OD: 5 1/2" Expected BH Temp 215 ° F  
 Wt: 20.# Grd: P-110 Expected BH PSI 8915 psi  
 Con: BTC

Directional Plan						
<b>Target TVDs:</b>	Landing Point- 11,480', BHL- 11,430'					
<b>Target Window:</b>	TBD					
	MD	INC	AZM	TVD	VS	DLS
<b>KOP</b>	10,907'	0.00	0.00	10,907'	0'	0.00
<b>EOB</b>	11,816'	90.86	177.52	11,480'	582'	10.00
<b>TD</b>	15,165'	90.86	177.52	11,430'	3,931'	0.00
<b>Hardlines:</b>	Lateral- 660' from section lines Vertical- Actual section lines					
<b>Notes:</b>	Please note SHL and BHL from section/lease lines					

Type	Logs	Interval	Vendor	
L o g s	Open Hole	Array Induction- GR- SP- Cal	Int TD to surf csg	TBD
	Open Hole	Cross dipole sonic	Int TD to surf csg	TBD
	Open Hole	Array Induction- GR- SP- Cal	Base of Curve to Int csg	TBD
	Open Hole	Cross dipole sonic	Base of Curve to Int csg	TBD
	Mudlog	30' samples, 10' samples if slow	Surf Csg to TD	TBD
	LWD	Gamma	Curve and Lateral	TBD

**\*\*Contingency Casing Design\*\***

**Contingency Casing Design Note:**

This design will be used if hole problems are encountered while drilling the curve and/or lateral portion of this well.

**Key Differences:**

- \* A 7" drilling liner will be run through the curve
- \* The production liner will be sized down to 4-1/2" instead of the planned 5-1/2"

**Well Name:** Morris 3-8B1  
**Target:** Wasatch  
**County, State:** Duchesne, UT  
**SH Location:** 700' FNL, 800' FEL, Section 8, T2S, R1W, U.S.B.&M.  
**BH Location:** 700' FSL, 700' FEL, Section 8, T2S, R1W, U.S.B.&M.  
**SHL Latitude:** 40.329333° N  
**SHL Longitude:** 110.013761° W  
**BHL Latitude:** 40.318547° N  
**BHL Longitude:** 110.013386° W  
**Coordinates:** NAD 83

**Conductor**  
 OD: 20" Hole Size: 30"  
 Wt: Setting Depth: 80'  
**Surface Casing**  
 OD: 13 3/8"  
 Wt: 61.#  
 Grd: J55 Hole Size: 17 1/2"  
 Con: STC Setting Depth: 1,600'

\*Surface Casing set just above expected brackish water flow to protect and isolate all shallow fresh water  
 \*Test casing to 1500 psi  
 \*FIT to 14.0 ppg

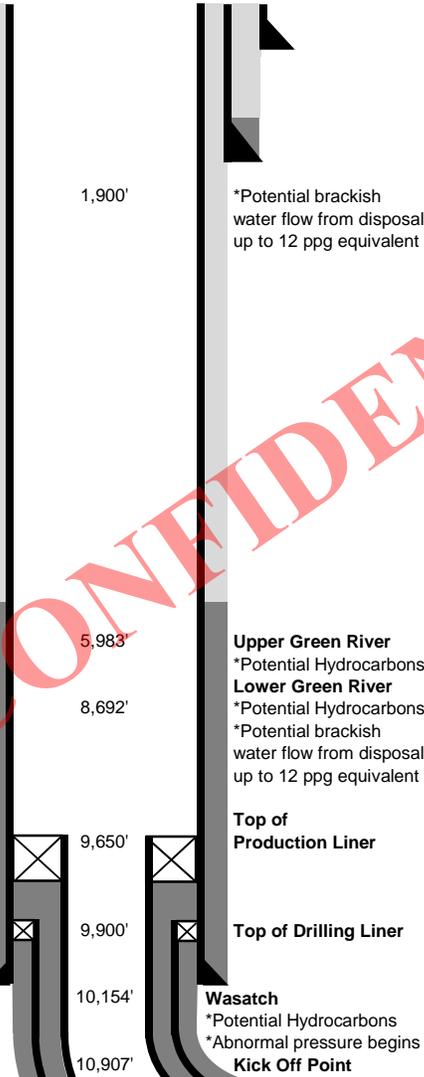
\*Top of Tail slurry for Intermediate Casing cement will isolate and protect Green River

**Intermediate Casing**  
 OD: 9 5/8"  
 Wt: 53.5#  
 Grd: P-110 Hole Size: 12 1/4"  
 Con: LTC Setting Depth: 10,150'

\*Intermediate Casing set just above top of Wasatch  
 \*Test casing to 3000 psi  
 \*FIT to 15.5 ppg

**Drilling Liner**  
 OD: 7"  
 Wt: 29.#  
 Grd: P-110  
 Con: BTC  
 Hole Size: 8 1/2"  
 Setting Depth: 11,816'  
 \*Drilling liner set through Landing Point of curve  
 \*Test Casing to 2000 psi  
 \*FIT to 15.5 ppg

Type	Logs	Interval	Vendor
L o g s	Open Hole	Array Induction- GR- SP- Cal	Int TD to surf csg
	Open Hole	Cross dipole sonic	Int TD to surf csg
	Open Hole	Array Induction- GR- SP- Cal	Production TD to Int csg
	Open Hole	Cross dipole sonic	Production TD to Int csg
	Mudlog	30' samples, 10' samples if slow	Surf Csg to TD
LWD	Gamma	Curve and Lateral	TBD



Wellhead Equipment	
A/B Sections	13-3/8" x 13-5/8" 5K/10K SOW w/multibowl
DSA	13-5/8" 10K x 11" 10K Crossover
C Section	11" 10K x 7-1/16" 10K Tubing Head

**Notes:** Casing head with multibowl will be installed on 13-3/8" csg and flange will be tested to 5K psi. 9-5/8" int csg will be landed in the multibowl. A 10k psi packoff will be installed on top of the int csg. At that time the same flange will be tested to 10k psi. Tubing head will be installed after setting production liner.

BOP Stack- Top to Bottom				
Item	Size	Rated Psi	Psi Test	Comments
Rotating Head	13-3/8"	500	N/A	Not tested
Annular	13-3/8"	5,000	3,500	Tested to 70%
Double Ram	13-3/8"	10,000	5K/10K	Top- pipe, Bottom- blind
Mud Cross	13-3/8"	10,000	5K/10K	Kill and Choke lines
Kill Line	2"	10,000	5K/10K	Check & manual valve
Choke Line	3"	10,000	5K/10K	Hydraulic & manual valve
Single Ram	13-3/8"	10,000	5K/10K	Pipe Rams

Choke Manifold (minimum requirements)				
Coflex Hose	3"	10,000	5K/10K	Choke line to tee block
Manual Choke	3"	10,000	5K/10K	2 valves, to separator
Panic Line	3"	10,000	5K/10K	2 valves, to reserve pit
Hydraulic Chk	3"	10,000	5K/10K	2 valves, to separator

**Notes:** BOPE will be tested to 5K psi upon initial installation and then 10k psi after setting the 9-5/8" int csg.

Mud			
Depth	Type	Max Weight (ppg)	
0' - 1,600'	Spud Mud	9.0	
1,600' - 10,150'	4% KCL Mud	12.0	
10,150' - 11,816'	Oil Based Mud	15.0	
11,816' - 15,165'	Oil Based Mud	15.0	

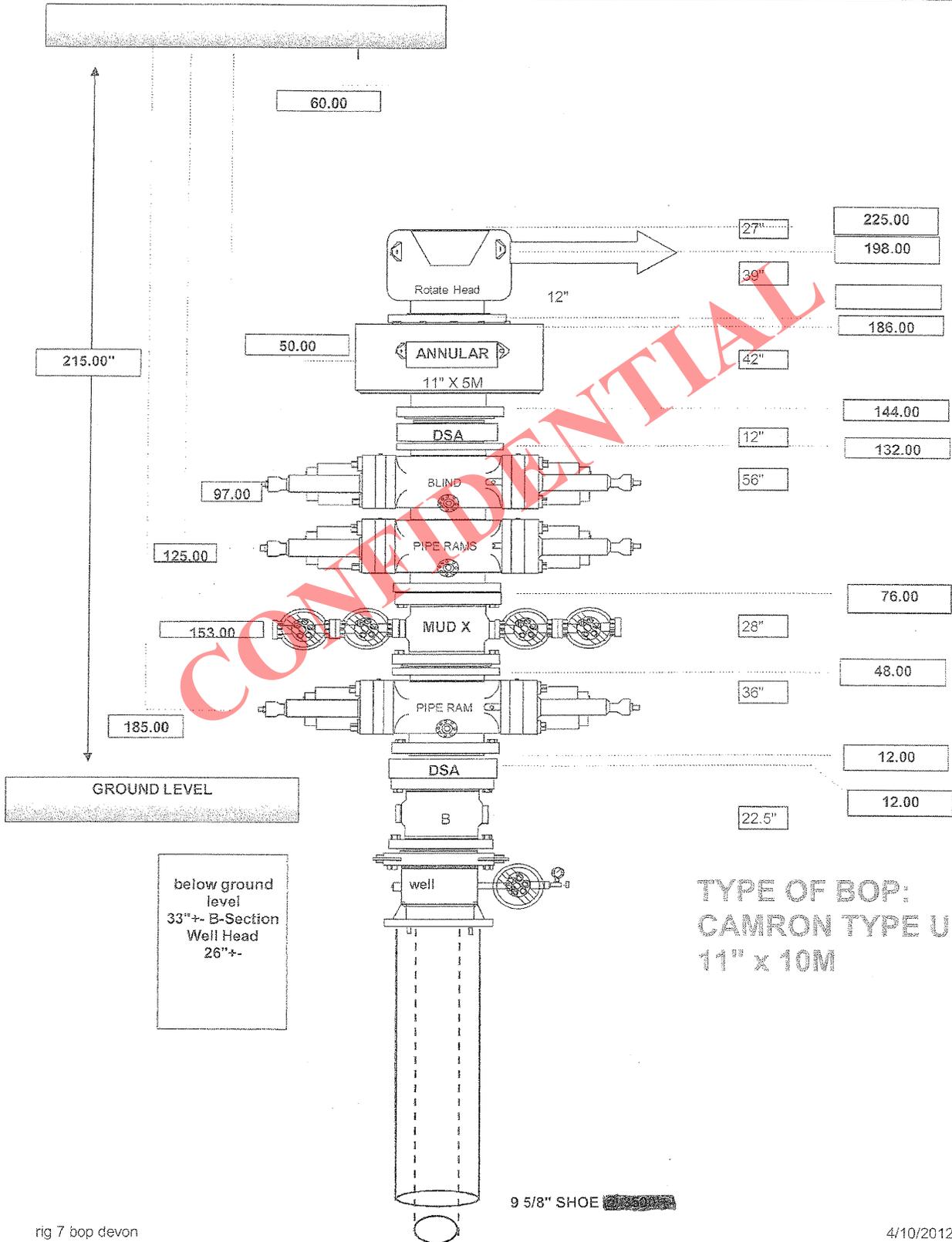
Cement							
Slurry	Top	Btm	Wt	Yld	%Exc	Bbl	Sx
<b>Surface</b>							
Type III	0'	1,300'	12.5	2.17	50	241	624
Type III	1,300'	1,600'	14.8	1.32	50	56	237
<b>Intermediate</b>							
75/25 Poz/Class G	0'	5,683'	12.3	1.7	20	373	1231
50/50 Poz/Class G	5,683'	10,150'	13.5	1.23	20	299	1365
<b>Drilling Liner</b>							
50/50 Poz/Class G	9,900'	11,816'	15.8	1.53	30	55	201
<b>Production Liner</b>							
Class G	9,650'	15,165'	15.8	2.3	30	157	383

Note: If no cement returns are brought to surface for surface casing, a top out job will be performed to bring returns to surface.

**Production Casing**  
 OD: 4 1/2" Expected BH Temp: 215 ° F  
 Wt: 13.5# Grd: P-110 Expected BH PSI: 8915 psi  
 Con: BTC  
 Hole Size: 6 1/8"  
 Setting Depth: 15,165'  
 BHL TVD: 11,430'

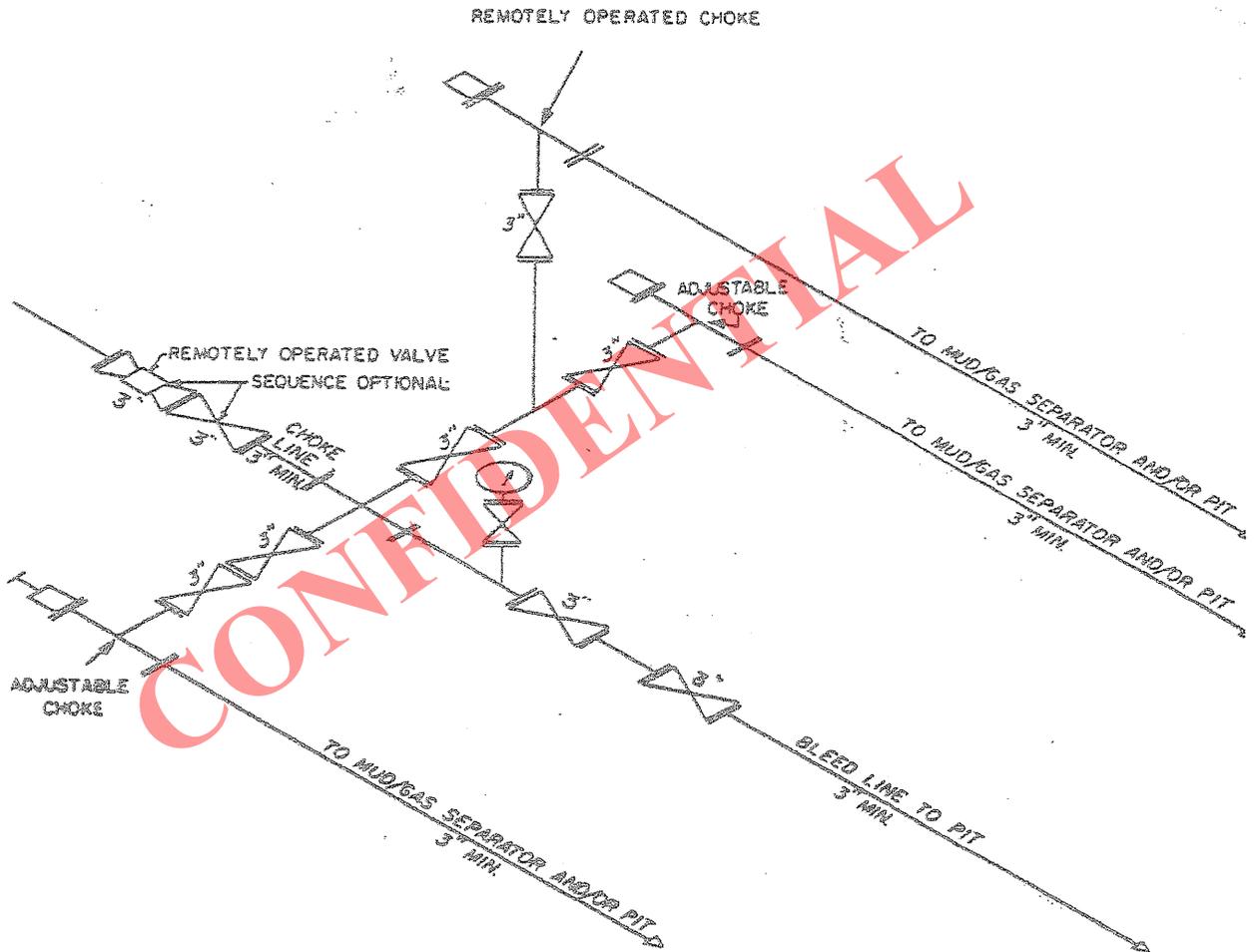
Directional Plan						
Target TVDs:	Landing Point- 11,480', BHL- 11,430'					
Target Window:	TBD					
	MD	INC	AZM	TVD	VS	DLS
KOP	10,907'	0.00	0.00	10,907'	0'	0.00
EOB	11,816'	90.86	177.52	11,480'	582'	10.00
TD	15,165'	90.86	177.52	11,430'	3,931'	0.00
Hardlines:	Lateral- 660' from section lines Vertical- Actual section lines					
Notes:	Please note SHL and BHL from section/lease lines					

DEVON ENERGY	<p style="text-align: center;"><b>DRILLING PHASE</b></p> <p><i>dc</i> 8 3/4" <del>9 7/8"</del> BOP Stack Diagram HOLE SECTION</p>	<p>DATE: 6/3/12</p> <p>Rig: Frontier Drilling Rig # 7</p>
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rig 7 bop devon

4/10/2012



① ② 10M AND 15M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION OF CHOKES MAY VARY

Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolded the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, or 15M drawings, it would also be applicable to these situations.

AFFIDAVIT OF SURFACE DAMAGE  
AND RIGHT-OF-WAY SETTLEMENT AGREEMENT  
FOR WELLSITE, ROAD AND PIPELINE  
DEVON ENERGY PRODUCTION COMPANY  
MORRIS 3-8B1  
Duchesne County, Utah

Ent 451128 Bk A660 Pg 407  
Date: 16-OCT-2012 2:29:18PM  
Fee: \$15.00 Check  
Filed By: CRY  
JANUINE MADSEN, Recorder  
DUCHESTER COUNTY CORPORATION  
For: ENCORE LAND SERVICES

STATE OF UTAH:

COUNTY OF DUCHESNE:

WHEREAS, the undersigned, Janet Wooldrige, (affiant), whose mailing address is Devon Energy Production Company, L.P., 333 West Sheridan Avenue, Oklahoma City, OK 73102, does hereby state the following facts:

That Devon Energy Production Company, L.P. entered into A Surface Damage and Right-of-Way Settlement Agreement dated September 27th, 2012, for the drilling of the Morris 3-8B1 well on surface lands owned by Beth Morris and Leroy Morris, husband and wife as joint tenants, P.O. Box 1051, Roosevelt, UT 84066.

Lands covered by these Agreements include Section 8 and 9, Township 2 South, Range 1 West, USM, of Duchesne County, Utah.

NOW THEREFORE, the undersigned affiant, Janet Wooldrige, of lawful age, states the above facts are true and correct to the best of her knowledge. Signed this 14<sup>th</sup> day of October, 2012.

Janet Wooldrige  
Janet Wooldrige, CPL  
Land Advisor  
Devon Energy Production Company, L.P.  
333 West Sheridan Avenue  
Oklahoma City, Oklahoma 73102

STATE OF Oklahoma:

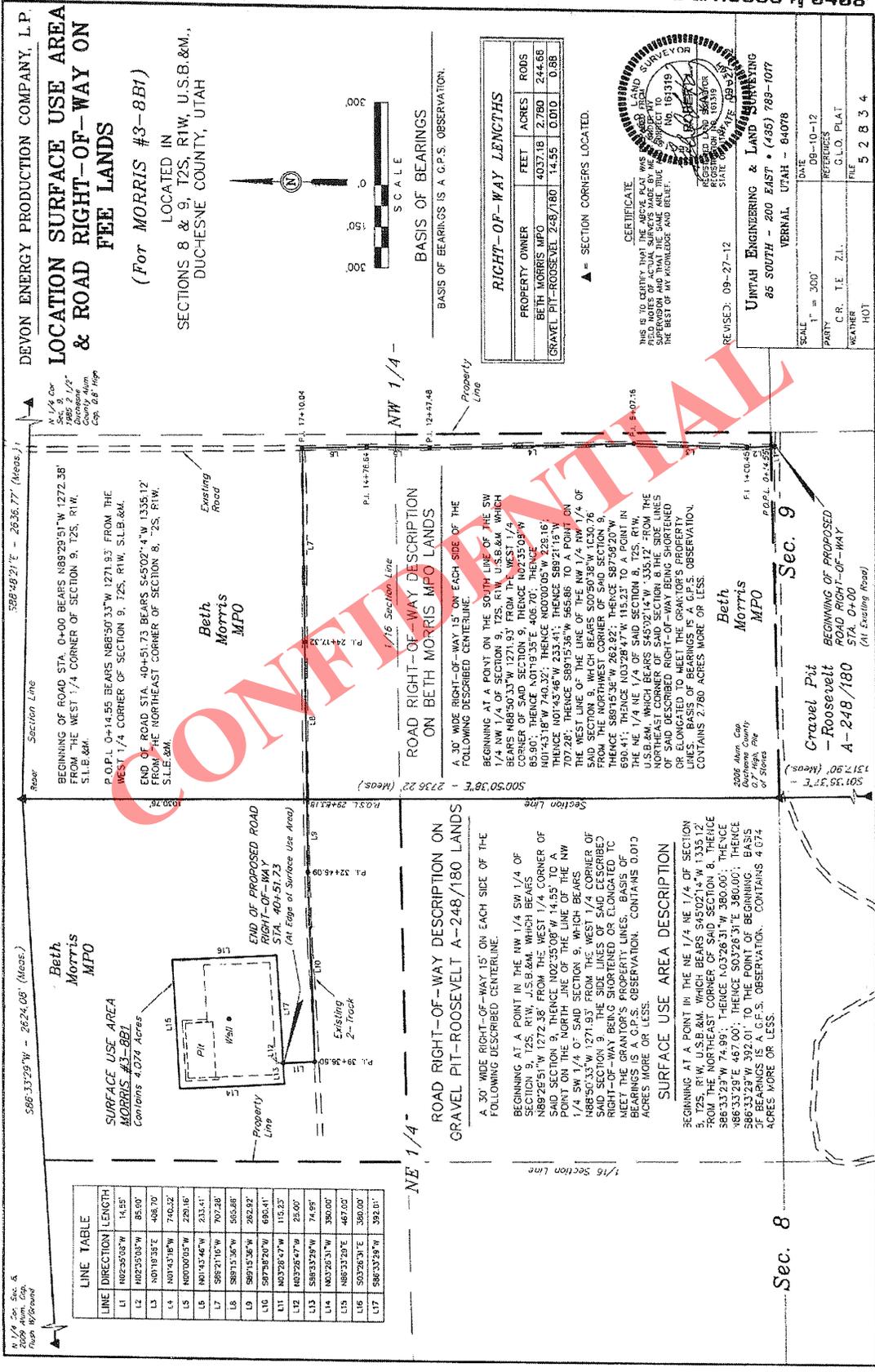
COUNTY OF Oklahoma:

On the 4<sup>th</sup> day of October, 2012, personally appeared before me Janet Wooldrige, who, being by me duly sworn, did state the she is a Land Advisor for Devon Energy Production Company, L.P. and that said instrument was signed on behalf of said corporation.

My Commission Expires:  
1/26/2015



Jo Ann Kerran  
Notary Public



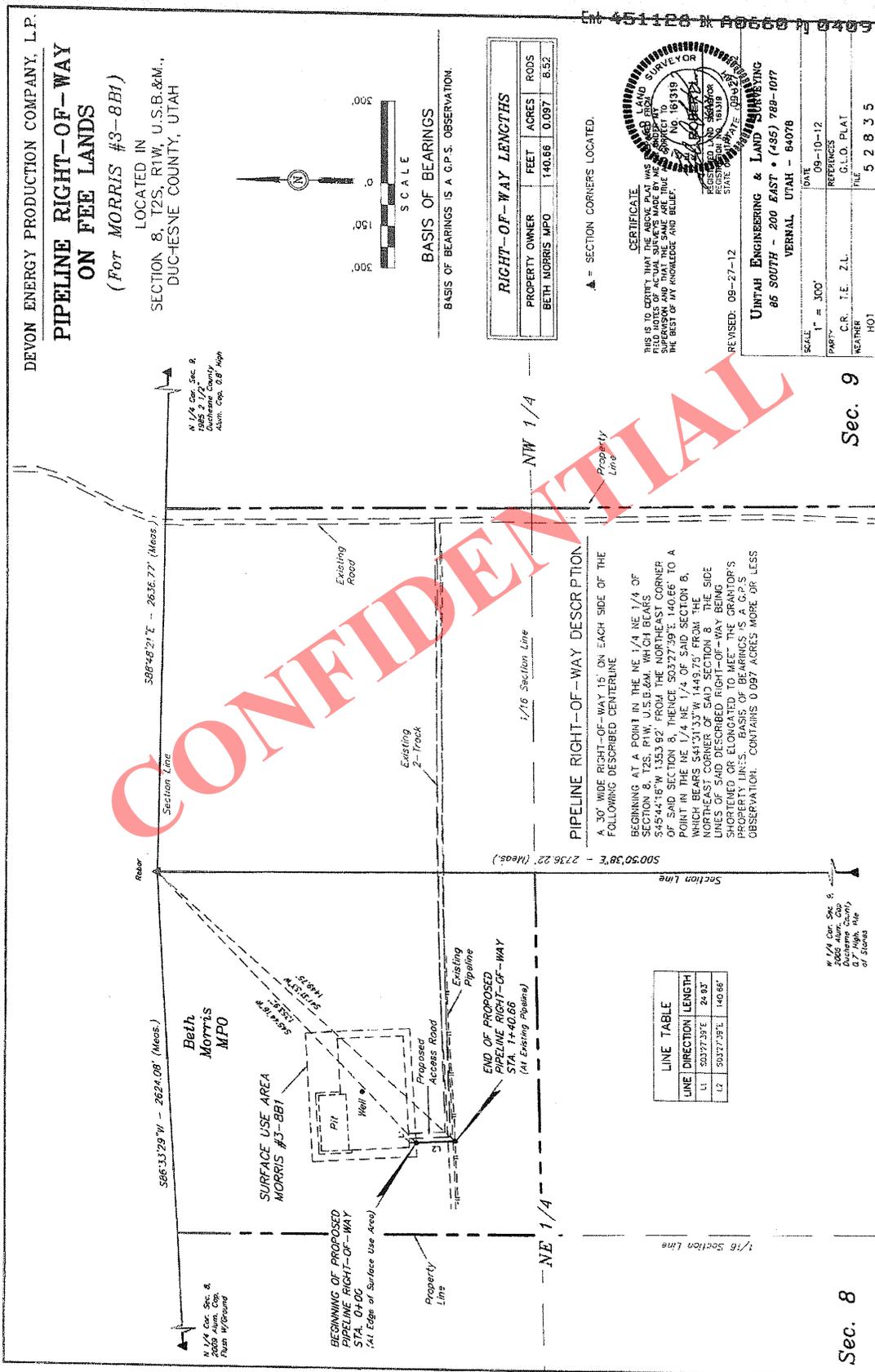
CONVEYANCE

**DEVON ENERGY PRODUCTION COMPANY, L.P.**  
**LOCATION SURFACE USE AREA & ROAD RIGHT-OF-WAY ON FEE LANDS**  
(For MORRIS #3-8B1)  
LOCATED IN SECTIONS 8 & 9, T2S, R1W, U.S.B.&M., DUCHESENE COUNTY, UTAH

**NE 1/4 - ROAD RIGHT-OF-WAY DESCRIPTION ON BETH MORRIS MPO LANDS**  
A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.  
BEGINNING AT A POINT ON THE SOUTH LINE OF THE SW 1/4 NW 1/4 OF SECTION 9, T2S, R1W, U.S.B.&M. WHICH BEARS N88°50'33"W 1271.93' FROM THE WEST 1/4 CORNER OF SAID SECTION 9, THENCE N07°35'09"W 85.90'; THENCE N01°19'35"E 408.70'; THENCE N01°43'18"W 740.32'; THENCE N00°00'05"W 220.16'; THENCE N01°43'46"W 213.41' TO A POINT ON THE NORTH LINE OF THE NW 1/4 SW 1/4 OF SAID SECTION 9, WHICH BEARS N88°50'33"W 1271.93' FROM THE WEST 1/4 CORNER OF SAID SECTION 9, THENCE S89°15'36"W 262.92'; THENCE S89°18'20"W 696.41'; THENCE N03°28'47"W 115.23' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 8, T2S, R1W, U.S.B.&M. WHICH BEARS S89°13'36"W 505.88'; THENCE S89°15'36"W 262.92'; THENCE S89°18'20"W 696.41'; THENCE N03°28'47"W 115.23' TO A POINT IN THE NORTHWEST CORNER OF SAID SECTION 8, T2S, R1W, U.S.B.&M. OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A C.P.S. OBSERVATION. CONTAINS 2.780 ACRES MORE OR LESS.

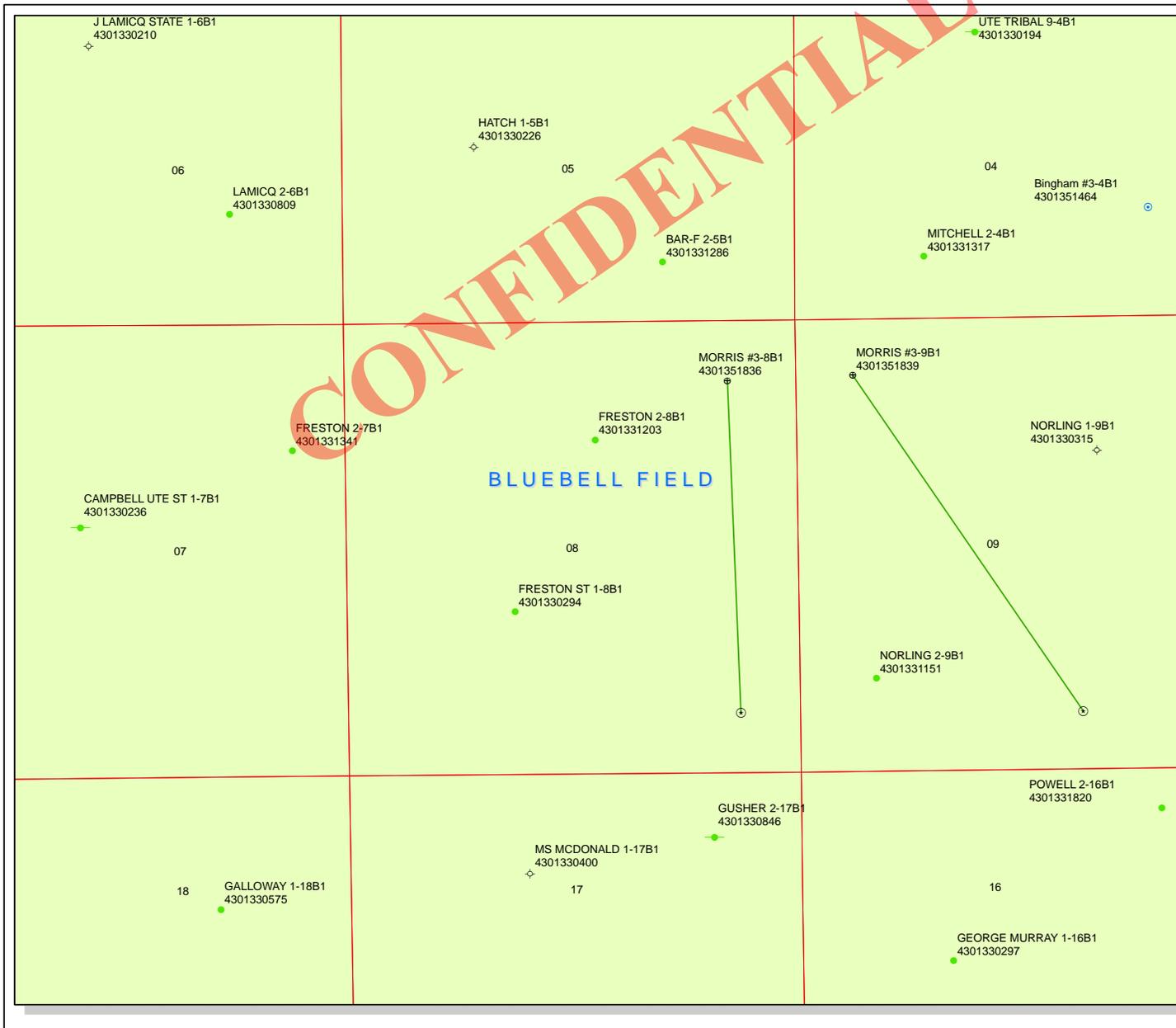
**Sec. 9 - ROAD RIGHT-OF-WAY DESCRIPTION ON BETH MORRIS MPO LANDS**  
A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.  
BEGINNING AT A POINT ON THE SOUTH LINE OF THE SW 1/4 NW 1/4 OF SECTION 9, T2S, R1W, U.S.B.&M. WHICH BEARS N88°50'33"W 1271.93' FROM THE WEST 1/4 CORNER OF SAID SECTION 9, THENCE N07°35'09"W 85.90'; THENCE N01°19'35"E 408.70'; THENCE N01°43'18"W 740.32'; THENCE N00°00'05"W 220.16'; THENCE N01°43'46"W 213.41' TO A POINT ON THE NORTH LINE OF THE NW 1/4 SW 1/4 OF SAID SECTION 9, WHICH BEARS N88°50'33"W 1271.93' FROM THE WEST 1/4 CORNER OF SAID SECTION 9, THENCE S89°15'36"W 262.92'; THENCE S89°18'20"W 696.41'; THENCE N03°28'47"W 115.23' TO A POINT IN THE NE 1/4 NE 1/4 OF SAID SECTION 8, T2S, R1W, U.S.B.&M. WHICH BEARS S89°13'36"W 505.88'; THENCE S89°15'36"W 262.92'; THENCE S89°18'20"W 696.41'; THENCE N03°28'47"W 115.23' TO A POINT IN THE NORTHWEST CORNER OF SAID SECTION 8, T2S, R1W, U.S.B.&M. OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS A C.P.S. OBSERVATION. CONTAINS 2.780 ACRES MORE OR LESS.

**Sec. 8 - SURFACE USE AREA DESCRIPTION**  
BEGINNING AT A POINT IN THE NE 1/4 NE 1/4 OF SECTION 8, T2S, R1W, U.S.B.&M. WHICH BEARS S89°13'36"W 505.88' FROM THE NORTHWEST CORNER OF SAID SECTION 8, THENCE S89°15'36"W 262.92'; THENCE S89°18'20"W 696.41'; THENCE N03°28'47"W 115.23' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS A C.P.S. OBSERVATION. CONTAINS 4.074 ACRES MORE OR LESS.



**UNTAH ENGINEERING & LAND SURVEYING**  
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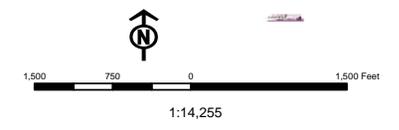
DATE: 09-10-12  
 PARTY: C.R. T.E. Z.L.  
 REFERENCES: G.L.O. PLAT  
 FILE: 5 2 8 3 5  
 HOT



**API Number: 4301351836**  
**Well Name: MORRIS #3-8B1**  
**Township T02.0S Range R01.0W Section 08**  
**Meridian: UBM**  
 Operator: DEVON ENERGY PROD CO LP

Map Prepared:  
 Map Produced by Diana Mason

- |                      |                                    |
|----------------------|------------------------------------|
| <b>Units STATUS</b>  | <b>Wells Query Status</b>          |
| ACTIVE               | APD - Approved Permit              |
| EXPLORATORY          | DRL - Spudded (Drilling Commenced) |
| GAS STORAGE          | GIW - Gas Injection                |
| NF PP OIL            | GS - Gas Storage                   |
| NF SECONDARY         | LOC - New Location                 |
| P1 OIL               | OPS - Operation Suspended          |
| PP GAS               | PA - Plugged Abandoned             |
| PP GEOTHERML         | PGW - Producing Gas Well           |
| PP OIL               | POW - Producing Oil Well           |
| SECONDARY            | SGW - Shut-in Gas Well             |
| TERMINATED           | SOW - Shut-in Oil Well             |
| <b>Fields STATUS</b> | TA - Temp. Abandoned               |
| Unknown              | TW - Test Well                     |
| ABANDONED            | WDW - Water Disposal               |
| ACTIVE               | WW - Water Injection Well          |
| COMBINED             | WSW - Water Supply Well            |
| INACTIVE             | Bottom Hole Location - Oil/Gas/Dls |
| STORAGE              |                                    |
| TERMINATED           |                                    |



Well Name	DEVON ENERGY PROD CO LP MORRIS #3-8B1 43013518360000			
String	Surf	I1	L1	
Casing Size(")	13.375	9.625	5.500	
Setting Depth (TVD)	1600	10150	11430	
Previous Shoe Setting Depth (TVD)	0	1600	10150	
Max Mud Weight (ppg)	9.0	12.5	15.0	
BOPE Proposed (psi)	1000	5000	10000	
Casing Internal Yield (psi)	3090	10900	12360	
Operators Max Anticipated Pressure (psi)	8915		15.0	

Calculations	Surf String	13.375	"
Max BHP (psi)	.052*Setting Depth*MW=	749	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	557	YES <input type="checkbox"/> rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	397	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	397	NO <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		1600	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

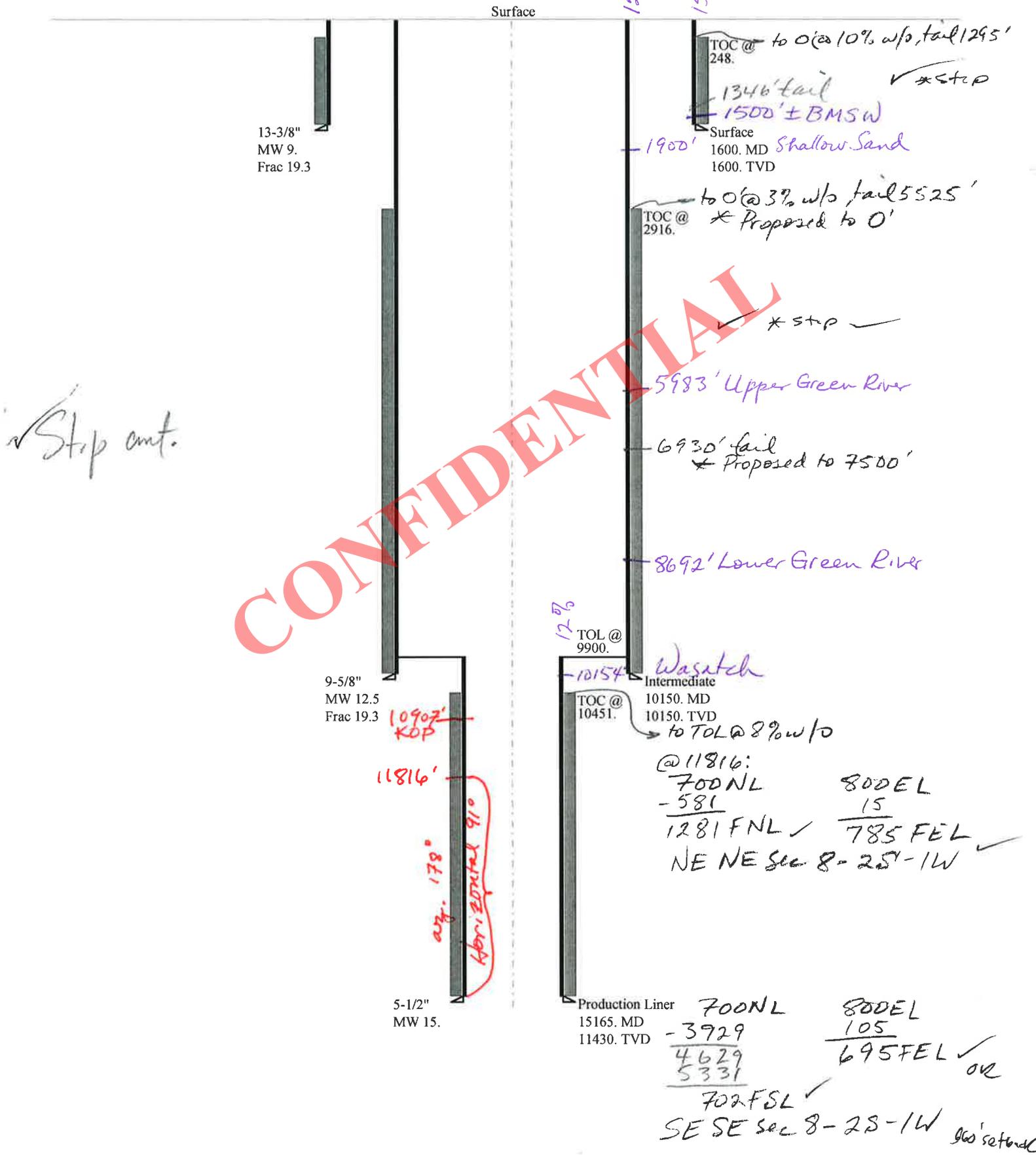
Calculations	I1 String	9.625	"
Max BHP (psi)	.052*Setting Depth*MW=	6597	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	5379	NO <input type="checkbox"/> 5M multibowl
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	4364	YES <input type="checkbox"/> OK
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	4716	NO <input type="checkbox"/>
Required Casing/BOPE Test Pressure=		7630	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1600	psi *Assumes 1psi/ft frac gradient

Calculations	L1 String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	8915	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	7543	YES <input type="checkbox"/> 10M Dbl Ram- pipe & blind, 5M annular, mud
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	6400	YES <input type="checkbox"/> cross, choke & kill lines, single 10M ram
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	8633	YES <input type="checkbox"/> OK
Required Casing/BOPE Test Pressure=		8652	psi
*Max Pressure Allowed @ Previous Casing Shoe=		10150	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 <input type="checkbox"/>
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO <input type="checkbox"/>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO <input type="checkbox"/>
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

# 43013518360000 Morris 3-8B1

## Casing Schematic



Well name:	<b>43013518360000 Morris 3-8B1</b>		
Operator:	<b>DEVON ENERGY PROD CO LP</b>		
String type:	Surface	Project ID:	43-013-51836
Location:	DUCHESNE COUNTY		

**Design parameters:****Collapse**

Mud weight: 9.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 96 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft  
Cement top: 248 ft

**Burst**

Max anticipated surface pressure: 1,408 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 1,600 psi

No backup mud specified.

**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: 1,386 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 10,150 ft  
Next mud weight: 12.500 ppg  
Next setting BHP: 6,591 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,600 ft  
Injection pressure: 1,600 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	1600	13.375	61.00	J-55	ST&C	1600	1600	12.39	20930
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	748	1540	2.059	1600	3090	1.93	97.6	595	6.10 J

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

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

Date: March 6, 2013  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1600 ft, a mud weight of 9 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43013518360000 Morris 3-8B1</b>		
Operator:	<b>DEVON ENERGY PROD CO LP</b>		
String type:	Intermediate	Project ID:	43-013-51836
Location:	DUCHESNE COUNTY		

**Design parameters:****Collapse**

Mud weight: 12.500 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 216 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

**Burst:**

Design factor 1.00

Cement top: 2,916 ft

**Burst**

Max anticipated surface pressure: 6,392 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 8,625 psi

No backup mud specified.

**Tension:**

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

Tension is based on air weight.  
Neutral point: 8,235 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 11,430 ft  
Next mud weight: 15.000 ppg  
Next setting BHP: 8,906 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 10,150 ft  
Injection pressure: 10,150 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	10150	9.625	53.50	P-110	LT&C	10150	10150	8.5	201975
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	6591	7950	1.206	8625	10900	1.26	543	1422	2.62 J

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

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

Date: March 6, 2013  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 10150 ft, a mud weight of 12.5 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	<b>43013518360000 Morris 3-8B1</b>		
Operator:	<b>DEVON ENERGY PROD CO LP</b>		
String type:	Production Liner	Project ID:	43-013-51836
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 15.000 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 234 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

Cement top: 10,451 ft

**Burst**

Max anticipated surface pressure: 6,392 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 8,906 psi

No backup mud specified.

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 11,086 ft

Liner top: 9,900 ft

**Directional Info - Build & Hold**

Kick-off point 10907 ft  
 Departure at shoe: 3930 ft  
 Maximum dogleg: 10 °/100ft  
 Inclination at shoe: 90.86 °

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	5265	5.5	20.00	P-110	Buttress	11430	15165	4.653	43679
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	8906	11100	1.246	8917	12360	1.39	30.6	641.1	20.95 B

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

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

Date: March 6, 2013  
 Salt Lake City, Utah

**Remarks:**

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 11430 ft, a mud weight of 15 ppg. The 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

# 43013518360000 Morris 3-8B1 cont.

## Casing Schematic

Surface

13-3/8"  
MW 9.  
Frac 19.3

TOC @  
248.

1500' ± BMSW  
Surface  
1600. MD  
1600. TVD

TOC @  
2916.

Step cuts.

**CONFIDENTIAL**

5983' U. Green River

8692' L. Green River

14%

TOL @  
9650.  
TOC @  
9650.

TOL @  
9900.  
TOC @  
10126.

10154' Wasatch  
Intermediate  
10150. MD  
10150. TVD

to TOL @ 8% w/o

9-5/8"  
MW 12.5  
Frac 19.3

7"  
MW 15.  
Frac 19.3

10907'  
KOP

11816'

az. 178°  
Horizontal 91°

Drilling Liner  
11480. MD  
11389. TVD

4-1/2"  
MW 15.

Production Liner  
15165. MD  
11430. TVD

Well name:	<b>43013518360000 Morris 3-8B1cont.</b>		
Operator:	<b>DEVON ENERGY PROD CO LP</b>		
String type:	Drilling Liner	Project ID:	43-013-51836
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 15.000 ppg  
 Internal fluid density: 2.770 ppg

**Burst**

Max anticipated surface pressure: 6,392 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP: 8,898 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: 11,053 ft

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 233 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

Cement top: 10,126 ft

Liner top: 9,900 ft

**Directional well information:**

Kick-off point: 10907 ft  
 Departure at shoe: 263 ft  
 Maximum dogleg: 10 °/100ft  
 Inclination at shoe: 57.29 °

**Re subsequent strings:**

Next setting depth: 11,430 ft  
 Next mud weight: 15.000 ppg  
 Next setting BHP: 8,906 psi  
 Fracture mud wt: 19,250 ppg  
 Fracture depth: 11,389 ft  
 Injection pressure: 11,389 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	1580	7	29.00	P-110	Buttress	11389	11480	6.059	19094
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	7236	8145	1.126	8898	11220	1.26	43.2	929.4	21.52 B

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

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

Date: March 6, 2013  
 Salt Lake City, Utah

**Remarks:**

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 11389 ft, a mud weight of 15 ppg. An 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

Well name:	<b>43013518360000 Morris 3-8B1cont.</b>		
Operator:	<b>DEVON ENERGY PROD CO LP</b>		
String type:	Production Liner	Project ID:	43-013-51836
Location:	DUCHESNE COUNTY		

**Design parameters:**

**Collapse**

Mud weight: 15.000 ppg  
 Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
 Surface temperature: 74 °F  
 Bottom hole temperature: 234 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,000 ft

**Burst**

Max anticipated surface pressure: 6,392 psi  
 Internal gradient: 0.220 psi/ft  
 Calculated BHP 8,906 psi

No backup mud specified.

**Tension:**

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

Tension is based on air weight.  
 Neutral point: 11,026 ft

Cement top: 9,650 ft

Liner top: 9,650 ft

**Directional well information:**

Kick-off point 10907 ft  
 Departure at shoe: 3930 ft  
 Maximum dogleg: 10 °/100ft  
 Inclination at shoe: 90.86 °

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	5565	4.5	13.50	P-110	Buttress	11430	15165	3.795	33387
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	8906	10680	1.199	8917	12410	1.39	24.7	421.9	17.08 B

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

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

Date: March 6, 2013  
 Salt Lake City, Utah

**Remarks:**

For this liner string, the top is rounded to the nearest 100 ft. Collapse is based on a vertical depth of 11430 ft, a mud weight of 15 ppg. The 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

# ON-SITE PREDRILL EVALUATION

## Utah Division of Oil, Gas and Mining

**Operator** DEVON ENERGY PROD CO LP  
**Well Name** MORRIS #3-8B1  
**API Number** 43013518360000      **APD No** 7046    **Field/Unit** BLUEBELL  
**Location: 1/4,1/4** NENE    **Sec** 8    **Tw** 2.0S    **Rng** 1.0W    700 FNL 800 FEL  
**GPS Coord (UTM)** 583781 4464775      **Surface Owner** Beth and Leroy Morris

### Participants

Robert Workman (Devon Production Foreman), Beth and Leroy Morris

### Regional/Local Setting & Topography

This well is on top of Harmston Bench which is a very large bench which starts about 1 mile north of Roosevelt, Utah and extends over 2 miles north. The bench is approximately 1 mile wide from east to west. This proposed well sits on the west edge of the bench about 2 miles north of Roosevelt.

### Surface Use Plan

#### **Current Surface Use**

Grazing

#### **New Road Miles**

0.77

#### **Well Pad**

**Width** 240    **Length** 407

#### **Src Const Material**

Onsite

#### **Surface Formation**

ALLU

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### Environmental Parameters

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

cheat grass, russian thistle

#### **Soil Type and Characteristics**

sandy clay loam

**Erosion Issues** N

**Sedimentation Issues** N

**Site Stability Issues** N

**Drainage Diversion Required?** N

**Berm Required?** Y

Edge of bench drops off steeply

**Erosion Sedimentation Control Required?** N

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

**Reserve Pit**

Site-Specific Factors	Site Ranking
<b>Distance to Groundwater (feet)</b>	100 to 200      5
<b>Distance to Surface Water (feet)</b>	>1000      0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280      0
<b>Distance to Other Wells (feet)</b>	>1320      0
<b>Native Soil Type</b>	Mod permeability    10
<b>Fluid Type</b>	Fresh Water      5
<b>Drill Cuttings</b>	Normal Rock      0
<b>Annual Precipitation (inches)</b>	0
<b>Affected Populations</b>	
<b>Presence Nearby Utility Conduits</b>	Not Present      0
<b>Final Score</b>	20    1 Sensitivity Level

**Characteristics / Requirements**

The reserve pit is proposed in a cut stable location. Pit dimensions are 200 x 100 x 10 feet. A 16 mil liner and felt subliner will be required due to permeable soil and rock.

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

**Other Observations / Comments**

Richard Powell  
Evaluator

11/6/2012  
Date / Time

# Application for Permit to Drill Statement of Basis

## Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
7046	43013518360000	LOCKED	OW	P	No
<b>Operator</b>	DEVON ENERGY PROD CO LP		<b>Surface Owner-APD</b>	Beth and Leroy Morris	
<b>Well Name</b>	MORRIS #3-8B1		<b>Unit</b>		
<b>Field</b>	BLUEBELL		<b>Type of Work</b>	DRILL	
<b>Location</b>	NENE 8 2S 1W U 700 FNL (UTM) 583784E 4464751N		800 FEL	GPS Coord	

### Geologic Statement of Basis

Devon proposes to set 2,500 feet of surface casing which will be cemented to surface. The surface hole will be drilled utilizing an aerated/fresh water system. The estimated depth to the base of moderately saline ground water is 1,500 feet. A search of Division of Water Rights records indicates that there are over 70 water wells within a 10,000 foot radius of the center of Section 8. The nearest water well is approximately 1/4 mile from the proposed site and produces water from a depth of 150 feet. Listed uses are irrigation stock watering, domestic, industrial and municipal. Most of these wells produce water from the Uinta Formation and are in the range of 98 to 1,200 feet deep. Average depth is approximately 300 feet. Roosevelt City has a 1,200 foot municipal water well approximately 1/2 mile north of the proposed location. The proposed casing and cement program should adequately protect ground water in this area.

Brad Hill  
APD Evaluator

11/15/2012  
Date / Time

### Surface Statement of Basis

This well is on fee surface with state minerals. The surface owners Beth and Leroy Morris attended this onsite and stated that they are satisfied with the placement of this well and made no requests. This appears to be a good site for placement of this well. The proposed location is very flat and there are no drainages effected. The soil is only moderately permeable on the surface but it appears there is gravel not too deep. Devon plans to use a 16 mil liner and this appears to be adequate for the site. The location is fairly close to the west edge of the Harmston Bench and because the bench drops off steeply the location will require a berm. Devon representative Robert Workman agreed to the berm. Mr. Workman, also stated that a steel containment berm will be used around the tanks.

Richard Powell  
Onsite Evaluator

11/6/2012  
Date / Time

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

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/1/2012

API NO. ASSIGNED: 43013518360000

WELL NAME: MORRIS #3-8B1

OPERATOR: DEVON ENERGY PROD CO LP (N1275)

PHONE NUMBER: 405 228-8684

CONTACT: Julie Patrick

PROPOSED LOCATION: NENE 08 020S 010W

Permit Tech Review: 

SURFACE: 0700 FNL 0800 FEL

Engineering Review: 

BOTTOM: 0700 FSL 0700 FEL

Geology Review: 

COUNTY: DUCHESNE

LATITUDE: 40.32909

LONGITUDE: -110.01372

UTM SURF EASTINGS: 583784.00

NORTHINGS: 4464751.00

FIELD NAME: BLUEBELL

LEASE TYPE: 3 - State

LEASE NUMBER: ML-22865

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE - 71S100753026-70
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Ballard City Municipal Water
- RDCC Review:
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

## LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: Cause 139-84
- Effective Date: 12/31/2008
- Siting: 4 Prod LGRRV-WSTC Wells
- R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 5 - Statement of Basis - bhll  
13 - Cement Volume Formation (3a) - hmadonald  
25 - Surface Casing - hmadonald  
27 - Other - bhll



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:** MORRIS #3-8B1  
**API Well Number:** 43013518360000  
**Lease Number:** ML-22865  
**Surface Owner:** FEE (PRIVATE)  
**Approval Date:** 4/1/2013

### Issued to:

DEVON ENERGY PROD CO LP , P.O. Box 290 , Neola, UT 84053

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-84. The expected producing formation or pool is the WASATCH 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:

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

In accordance with Utah Admin. R.649-3-21, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

Cement volume for the 9 5/8" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to surface (as stated in the submitted drill plan) and in order to adequately isolate the Green River formation.

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:**

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

For John Rogers  
Associate Director, Oil & Gas

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET (for state use only)**

**ROUTING**  
 CDW

**X - Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**8/29/2014**

<b>FROM:</b> (Old Operator): DEVON ENERGY PRODUCTION COMPANY L.P. N1275 333 WEST SHERIDAN AVENUE OKLAHOMA CITY OK 73102-5015	<b>TO:</b> ( New Operator): LINN OPERATING INC N4115 1999 BROADWAY STE 3700 DENVER CO 80202  303-999-4275
---	--

WELL NAME	CA No.	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
See Attached List									

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 9/16/2014
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 9/16/2014
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 10/8/2014
- Is the new operator registered in the State of Utah:            Business Number: 9031632-0143
- (R649-9-2) Waste Management Plan has been received on: Yes
- Inspections of LA PA state/fee well sites complete on: N/A
- Reports current for Production/Disposition & Sundries on: 10/8/2014
- Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM NOT YET BIA NOT YET
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: N/A
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 9/24/2014

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 10/8/2014
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 10/8/2014
- Bond information entered in RBDMS on: 10/8/2014
- Fee/State wells attached to bond in RBDMS on: 10/8/2014
- Injection Projects to new operator in RBDMS on: N/A
- Receipt of Acceptance of Drilling Procedures for APD/New on: 10/8/2014
- Surface Agreement Sundry from **NEW** operator on Fee Surface wells received on: 9/16/2014

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: NMB000501
- Indian well(s) covered by Bond Number: NMB000501
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number LPM9149893
- The **FORMER** operator has requested a release of liability from their bond on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 10/8/2014

**COMMENTS:**

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115  
Effective 8/29/2014

Well Name	Section	Township	Range AP	API Number	Entity	Mineral Lease	Well Type	Well Status
SWD 4-11A2	11	010S	020W	4301320255	99990	Fee	WD	A
VIRGIL MECHAM 1-11A2	11	010S	020W	4301330009	5760	Fee	WD	A
1-3A2	3	010S	020W	4301330021	99990	Fee	WD	A
BLUEBELL 2-28A2	28	010S	020W	4301330346	99990	Fee	WD	A
SALERATUS 2-17C5	17	030S	050W	4301330388	99990	Fee	WD	A
CENTRAL BLUEBELL 2-26A2	26	010S	020W	4301330389	99990	Fee	WD	A
BALLARD 2-15B1	15	020S	010W	4304732351	11476	Fee	WD	A
GALLOWAY #3-14B2	14	020S	020W	4301351741		Fee	OW	APD
GALLOWAY #3-12B2	12	020S	020W	4301351742		Fee	OW	APD
GALLOWAY 4-14B2	14	020S	020W	4301351818		Fee	OW	APD
MORRIS #3-8B1	8	020S	010W	4301351836		State	OW	APD
FRITZ #3-24A2	24	010S	020W	4301351837		Fee	OW	APD
GALLOWAY #2-14B2	14	020S	020W	4301351739	19044	Fee	OW	DRL
EMERALD 2-32A1	32	010S	010W	4301350059	17980	Fee	OW	OPS
CLYDE MURRAY 1-2A2	2	010S	020W	4301330005	5876	Fee	OW	P
VICTOR C BROWN 1-4A2	4	010S	020W	4301330011	5780	Fee	OW	P
DOUG BROWN 2-4A2	4	010S	020W	4301330017	5840	Fee	OW	P
L BOREN U 3-15A2	15	010S	020W	4301330086	5755	Fee	OW	P
LAMICQ-URTY U 3-17A2	17	010S	020W	4301330099	5745	Fee	OW	P
L BOREN U 5-22A2	22	010S	020W	4301330107	5900	Fee	OW	P
L BOREN U 4-23A2	23	010S	020W	4301330115	5905	Fee	OW	P
TOMLINSON FED 1-25A2	25	010S	020W	4301330120	5535	Federal	OW	P
WOODWARD 1-21A2	21	010S	020W	4301330130	5665	Fee	OW	P
LAMICQ 1-20A2	20	010S	020W	4301330133	5400	Fee	GW	P
L RBRTSN ST 1-1B2	1	020S	020W	4301330200	5410	State	OW	P
SMITH ALBERT 1-8C5	8	030S	050W	4301330245	5490	Fee	OW	P
FRESTON ST 1-8B1	8	020S	010W	4301330294	5345	Fee	OW	P
GEORGE MURRAY 1-16B1	16	020S	010W	4301330297	5950	Fee	OW	P
LAMICQ-URTY U 4-5A2	5	010S	020W	4301330347	5845	Fee	OW	P
H G COLTHARP 1-15B1	15	020S	010W	4301330359	5945	Fee	OW	P
STATE 3-18A1	18	010S	010W	4301330369	5810	Fee	OW	P
LAMICQ 2-6B1	6	020S	010W	4301330809	2301	Fee	OW	P
DILLMAN 2-28A2	28	010S	020W	4301330821	5666	Fee	OW	P
HAMBLIN 2-26-A2	26	010S	020W	4301330903	5361	Fee	OW	P
JOHN 2-3-B2	3	020S	020W	4301330975	5387	Fee	OW	P
LAMICQ-ROBERTSON ST 2-1B2	1	020S	020W	4301330995	5412	Fee	OW	P
UTE TRIBAL 2-7A2	7	010S	020W	4301331009	5836	Indian	OW	P
HATCH 2-3B1	3	020S	010W	4301331147	10615	Fee	OW	P
NORLING 2-9B1	9	020S	010W	4301331151	10616	Fee	OW	P
SHAW 2-27A2	27	010S	020W	4301331184	10753	Fee	OW	P
LAMICQ-URRITY 4-17A2	17	010S	020W	4301331190	10764	Fee	OW	P
LAMICQ 2-20A2	20	010S	020W	4301331191	10794	Fee	OW	P
FRESTON 2-8B1	8	020S	010W	4301331203	10851	Fee	OW	P
WISSE 3-35A2	35	010S	020W	4301331215	10925	Fee	OW	P
MECCA 2-8A2	8	010S	020W	4301331231	10981	Fee	OW	P
SWYKES 2-21A2	21	010S	020W	4301331235	10998	Fee	OW	P
SHERMAN 2-12B2	12	020S	020W	4301331238	11009	Fee	OW	P
DUNCAN 4-2A2	2	010S	020W	4301331276	11258	Fee	GW	P
HAMBLIN 3-9A2	9	010S	020W	4301331278	11094	Fee	GW	P
BAR-F 2-5B1	5	020S	010W	4301331286	11113	Fee	OW	P
SMITH 2-9C5	9	030S	050W	4301331321	11245	Fee	OW	P
LORANGER 2-24A2	24	010S	020W	4301331322	11244	Fee	OW	P
UTE 2-6B3	6	020S	030W	4301331325	11446	Indian	OW	P
MCELPRANG 2-30A1	30	010S	010W	4301331326	11252	Fee	OW	P

Devon Energy Production Company, L.P. N1275 to Linn Operating, Inc N4115  
 Effective 8/29/2014

Well Name	Section	Township	Range AP	API Number	Entity	Mineral Lease	Well Type	Well Status
SMITH 2-7C5	7	030S	050W	4301331327	11324	Indian	OW	P
SMITH 2-18C5	18	030S	050W	4301331328	11336	Indian	OW	P
UTE 2-24A3	24	010S	030W	4301331329	11339	Indian	OW	P
UTE 5-19A2	19	010S	020W	4301331330	11277	Indian	OW	P
EDWARDS 3-10B1	10	020S	010W	4301331332	11264	Fee	OW	P
SUNDANCE 4-15A2	15	010S	020W	4301331333	11269	Fee	OW	P
LORANGER 6-22A2	22	010S	020W	4301331334	11335	Fee	OW	P
COX 2-36A2	36	010S	020W	4301331335	11330	Fee	OW	P
SMITH 2-6C5	6	030S	050W	4301331338	11367	Indian	OW	P
FRESTON 2-7B1	7	020S	010W	4301331341	11338	Fee	OW	P
PEARSON 2-11B2	11	020S	020W	4301331356	11359	Fee	OW	P
CHAPMAN 2-4B2	4	020S	020W	4301331378	11485	Fee	OW	P
LAMB 2-16A2	16	010S	020W	4301331390	11487	Fee	OW	P
LABRUM 2-23A2	23	010S	020W	4301331393	11514	Fee	OW	P
POWELL 2-16B1	16	020S	010W	4301331820	12342	Fee	OW	P
BOWMAN 5-5A2	5	010S	020W	4301332202	13043	Fee	OW	P
BOREN 4-9A2	9	010S	020W	4301332203	13079	Fee	OW	P
BLANCHARD 3-10A2	10	010S	020W	4301332223	13149	Fee	OW	P
SQUIRES 3-8A2	8	010S	020W	4301332227	13176	Fee	OW	P
BROWN 3-4A2	4	010S	020W	4301332684	14673	Fee	OW	P
GALLOWAY 3-11B2	11	020S	020W	4301334304	18527	Fee	OW	P
OWL AND THE HAWK 3-9C5	9	030S	050W	4301351214	18649	Fee	OW	P
Bingham #3-4B1	4	020S	010W	4301351464	18825	Fee	OW	P
RED MOUNTAIN 3-5B1	5	020S	010W	4301351632	18954	Fee	OW	P
MECHAM #3-1B2	1	020S	020W	4301351844	19082	State	OW	P
MIKE AND SHELLEY #3-4B2	4	020S	020W	4301351845	19083	Fee	OW	P
RBRTSN UTE ST 1-12B1	12	020S	010W	4304730164	5475	Fee	OW	P
MAY UTE FED 1-13B1	13	020S	010W	4304730176	5435	Fee	OW	P
COOK 1-26B1	26	020S	010W	4304731981	11212	Fee	OW	P
CHRISTIANSEN 2-12B1	12	020S	010W	4304732178	11350	Fee	OW	P
RICH 2-13B1	13	020S	010W	4304732744	12046	Fee	OW	P
THOMAS 4-10B1	10	020S	010W	4304734080	13284	Fee	OW	P
HAMAKER 3-12B1	12	020S	010W	4304752294	18650	Fee	OW	P
BETTS 2-26B1	26	020S	010W	4304752435	18698	Fee	OW	P
STATE 1-10A2 (3-10C)	10	010S	020W	4301330006	5860	State	GW	S
L BOREN U 6-16A2	16	010S	020W	4301330123	5750	Fee	OW	S
UTE TRIBAL 1-6B3	6	020S	030W	4301330136	5705	Indian	OW	S
MAUREL TAYLOR FEE 1-36A2	36	010S	020W	4301330143	5525	Fee	OW	S
CAMPBELL UTE ST 1-7B1	7	020S	010W	4301330236	5295	Indian	OW	S
D L GALLOWAY 1-14B2	14	020S	020W	4301330564	5965	Fee	OW	S
MARK 2-25A2	25	010S	020W	4301331232	10986	Fee	OW	S
MITCHELL 2-4B1	4	020S	010W	4301331317	11231	Fee	OW	S

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached Well List</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: <u>See Attached Well List</u>
2. NAME OF OPERATOR: <u>LINN OPERATING, INC</u> <u>N4115</u>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: <u>1999 Broadway, Suite 3700</u> CITY <u>Denver</u> STATE <u>CO</u> ZIP <u>80202</u>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____		8. WELL NAME and NUMBER: <u>See Attached Well List</u>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		9. API NUMBER:
COUNTY: <u>Duchesne/Uintah</u>		10. FIELD AND POOL, OR WILDCAT: <u>Bluebell/Altamont</u>
STATE: <u>UTAH</u>		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>CHANGE OF OPERATOR</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893.

Attached is a list of wells that are associated with this Change of Operator.

Devon Energy Production Company, LP N1275  
333 West Sheridan Avenue  
Oklahoma City, OK 73102-5015

  
\_\_\_\_\_  
John D. Raines  
Vice President

RECEIVED  
SEP 16 2014  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) Russell des Cognets II TITLE Asset Manager  
SIGNATURE Russell des Cognets DATE 9/8/14

(This space for State use only)  
**APPROVED**  
**OCT 08 2014**  
DIV. OIL GAS & MINING  
BY: Rachael Medina

(See Instructions on Reverse Side)

Devon Energy Production Company, LP  
Existing Well List for State/Fee/Indian Leases

Well Name	API #	Legal Location	Producing Status	Well Type	Lease Type	Field	State	County
BAR F 2-5B1	430133128600	005-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BINGHAM 3-4B1	430135146400	004-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BLANCHARD 3-10A2	430133222300	010-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
<del>BOREN 1-14A2</del>	430133003500	014-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 3-11A2	430133119200	011-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 3-15A2	430133008600	015-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 4-23A2	430133011500	023-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 4-9A2	430133220300	009-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 5-22A2	430133010700	022-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOREN 6-16A2	430133012300	016-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BOWMAN 5-5A2	430133220200	005-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN DOUG 2-4A2	430133001700	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN VICTOR C 1-4A2	430133001100	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BROWN 3-4A2	430133268400	004-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CAMPBELL UTE ST 1-7B1	430133023600	007-002S-001W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
CHAPMAN 2-4B2	430133137800	004-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CLYDE MURRAY 1-2A2	430133000500	002-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
COLTHARP 1-15B1	430133035900	015-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
CORNABY 2-14A2 (RECOMP)	430133129900	014-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
COX 2-36A2	430133133500	036-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
DILLMAN 2-28A2	430133082100	028-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
DUNCAN 4-2A2	430133127600	002-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
EDWARDS 3-10B1	430133133200	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON STATE 1-8B1	430133029400	008-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON 2-7B1	430133134100	007-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRESTON 2-8B1	430133120300	008-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY 1-14B2	430133056400	014-002S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY 3-11B2	430133430400	011-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HAMBLIN 2-26A2	430133090300	026-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HAMBLIN 3-9A2	430133127800	009-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
HATCH 2-3B1	430133114700	003-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
JOHN 2-3B2	430133097500	003-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LABRUM 2-23A2	430133139300	023-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMB 2 16A2	430133139000	016-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ ROBERTSON 1-1B2	430133020000	001-002S-002W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE

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LAMICQ ROBERTSON 2-1B2	430133099500	001-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 3-17A2	430133009900	017-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 4-17A2	430133119000	017-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ URRUTY 4-5A2	430133034700	005-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 1-20A2	430133013300	020-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 2-20A2	430133119100	020-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LAMICQ 2-6B1	430133080900	006-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LORANGER 2-24A2	430133132200	024-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
LORANGER 6-22A2	430133133400	022-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MARK 2 25A2	430133123200	025-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MCCELPRANG 2-30A1	430133132600	030-001S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECCA 2-8A2	430133123100	008-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECHAM VIRGIL B 1-11A2 SWD	430133000900	011-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MECHAM 3-1B2	430135184400	1-2S-2W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE
MIKE AND SHELLEY 3-4B2	430135184500	4-2S-2W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MITCHELL 2-4B1	430133131700	004-002S-001W	Shut-in	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MURRAY GEORGE 1-16B1	430133029700	016-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
NORLING 2-9B1	430133115100	009-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
OWL AND THE HAWK 3-9C5	430135121400	9-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
PEARSON 2-11B2	430133135600	011-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
POWELL 2 16B1	430133182000	016-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
RED MOUNTAIN 3-5B1	430135163200	05-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SHAW 2-27A2	430133118400	027-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SHERMAN 2-12B2	430133123800	012-002S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH ALBERT 1-8C5	430133024500	008-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-18C5	430133132800	018-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-6C5	430133133800	006-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-7C5	430133132700	007-003S-005W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
SMITH 2-9C5	430133132100	009-003S-005W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SQUIRES 3-8A2	430133222700	008-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
STATE 1-10A2	430133000600	010-001S-002W	Producing	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE
STATE 3-18A1	430133036900	018-001S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SUNDANCE 4 15A2 (BOREN)	430133133300	015-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD ANDERSON 2-28A2	430133034600	028-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD HAMBLIN 2-26A2	430133038900	026-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD SALERATUS 2-17C5	430133038800	017-003S-005W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD 1-3A2	430133002100	003-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
SWD 4-11A2	430132025500	011-001S-002W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE

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SWYKES 2 21A2	430133123500	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TAYLOR MAUREL FEE 1-36A2	430133014300	036-001S-002W	Shut-In	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
TOMLINSON 1 25A2	430133012000	025-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 2-7A2	430133100900	007-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE TRIBAL 5-19A2	430133133000	019-001S-002W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 1-6B3	430133013600	006-002S-003W	Shut-In	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-24A3	430133132900	024-001S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
UTE 2-6B3	430133132500	006-002S-003W	Producing	OIL	INDIAN	BLUEBELL ALTAMONT	UT	DUCHESNE
WISSE 3-35A2	430133121500	035-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
WOODWARD 1-21A2	430133013000	021-001S-002W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
BALLARD 2-15B1 SWD	430473235100	015-002S-001W	Injecting	SWD	FEE	BLUEBELL ALTAMONT	UT	UINTAH
BETTS 2-26B1	430475243500	26-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
CHRISTENSEN 2-12B1	430473217800	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
COOK 1-26B1	430473198100	026-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
HAMAKER 3-12B1	430475229400	12-2S-1W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
MAY UTE FED 1-13B1	430473017600	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
RICH 2-13B1	430473274400	013-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
ROBERTSON UTE STATE 1-12B1	430473016400	012-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH
THOMAS 4-10B1	430473408000	010-002S-001W	Producing	OIL	FEE	BLUEBELL ALTAMONT	UT	UINTAH

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DIV. OF OIL, GAS & MINING

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>See Attached Well List</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>See Attached Well List</u>		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: <b>LINN OPERATING, INC</b>		8. WELL NAME and NUMBER: <b>See Attached Well List</b>
3. ADDRESS OF OPERATOR: 1999 Broadway, Suite 3700    CITY Denver    STATE CO    ZIP 80202		9. API NUMBER:
PHONE NUMBER: <b>(303) 999-4275</b>		10. FIELD AND POOL, OR WILDCAT: <b>Bluebell/Altamont</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____		COUNTY: <b>Duchsene</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		STATE: <b>UTAH</b>

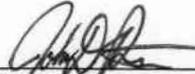
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate)  Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>CHANGE OF OPERATOR</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

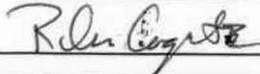
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective 08/29/2014, Change of Operator from Devon Energy Production Company, LP, to Linn Operating, Inc. is responsible under the terms and conditions of the leases for operations conducted on the leased lands or a portion thereof under their blanket state bond number LPM9149893 .

Attached is a list of Applications for Permit to Drill (APD) that are associated with this Change of Operator.

Devon Energy Production Company, LP  
333 West Sheridan Avenue  
Oklahoma City, OK 73102-5015

  
\_\_\_\_\_  
John D. Raines  
Vice President

NAME (PLEASE PRINT) <u>Russell des Cognets II</u>	TITLE <u>Asset Manager</u>
SIGNATURE 	DATE <u>9/16/14</u>

(This space for State use only)

**APPROVED**

**OCT 08 2014**

DIV. OIL GAS & MINING

BY: Rachael Medina

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(5/2000) (See Instructions on Reverse Side)

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

**Request to Transfer Application or Permit to Drill**

(This form should accompany a Sundry Notice, Form 9, requesting APD transfer)

<b>Well name:</b>	See Attached List of Wells
<b>API number:</b>	
<b>Location:</b>	Qtr-Qtr:                      Section:                      Township:                      Range:
<b>Company that filed original application:</b>	Devon Energy Production Company, LP
<b>Date original permit was issued:</b>	
<b>Company that permit was issued to:</b>	Linn Operating, Inc.

Check one	Desired Action:
	<b>Transfer pending (unapproved) Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property, hereby verifies that the information as submitted in the pending Application for Permit to Drill, remains valid and does not require revision. The new owner of the application accepts and agrees to the information and procedures as stated in the application.
<input checked="" type="checkbox"/>	<b>Transfer approved Application for Permit to Drill to new operator</b>
	The undersigned as owner with legal rights to drill on the property as permitted, 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.	Yes	No
If located on private land, has the ownership changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If so, has the surface agreement been updated?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Have there been any changes to the access route including ownership or right-of-way, which could affect the proposed location?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Has the approved source of water for drilling changed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is bonding still in place, which covers this proposed well? Bond No. <u>LPM9149893</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Any desired or necessary changes to either a pending or approved Application for Permit to Drill that is being transferred, should be filed on a Sundry Notice, Form 9, or amended Application for Permit to Drill, Form 3, as appropriate, with necessary supporting information as required.

Name (please print) <u>Russell des Cognets II</u>	Title <u>Asset Manager</u>	<b>RECEIVED</b>
Signature <u><i>Russell des Cognets</i></u>	Date <u>9-8-14</u>	<b>SEP 16 2014</b>
Representing (company name) <u>Linn Operating, Inc.</u>		

The person signing this form must have legal authority to represent the company or individual(s) to be listed as the new operator on the Application for Permit to Drill.

DIV. OF OIL, GAS & MINING

**Devon Energy Production Company, LP**  
**Existing Well List of Application for Permit to Drill (APD's)**

Well Name	API #	Legal Location	Producing Status	APD Approval Date	APD Extension Filed	Well Type	Lease Type	Divest Description	State	County
GALLOWAY #3-14B2	4301351741	014-020S-020W	APD	12/10/2012	12/11/2013	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY #3-12B2	4301351742	012-020S-020W	APD	12/10/2012	12/11/2013	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
GALLOWAY 4-14B2	4301351818	014-020S-020W	APD	1/11/2013	12/11/2013	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MORRIS #3-8B1	4301351836	008-020S-010W	APD	4/1/2013	3/12/2014	OIL	STATE	BLUEBELL ALTAMONT	UT	DUCHESNE
FRITZ #3-24A2	4301351837	024-010S-020W	APD	4/1/2013	3/12/2014	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE
MIKE AND SHELLEY #4-14A2	4301351846	014-010S-020W	APD	2/6/2013	2/4/2014	OIL	FEE	BLUEBELL ALTAMONT	UT	DUCHESNE

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

**SUNDRY NOTICES AND REPORTS ON WELLS**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL      OIL WELL       GAS WELL       OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
Misc.

2. NAME OF OPERATOR:  
LINN OPERATING, INC.

9. API NUMBER:

3. ADDRESS OF OPERATOR:      PHONE NUMBER:  
1999 Broadway, Ste #3700      Denver      CO      80202      (303) 999-4016

10. FIELD AND POOL, OR WILDCAT:  
Bluebell

4. LOCATION OF WELL  
FOOTAGES AT SURFACE:      COUNTY: UINTAH  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:      14    1S    2W      STATE: UTAH

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

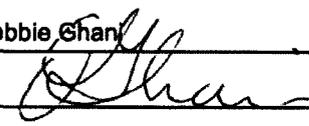
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Excluded wells from</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Change of Operator</u>

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

Do not process Change of Operator from Devon Energy Production Company, LP to LINN Operating, Inc. for the following wells.

- 43-013-31192 BOREN 3-11A2      Oil Well Producing BLUEBELL DUCHESNE 1S-2W Sec 11
- 43-013-51846 MIKE AND SHELLEY #4-14A2      Oil Well Approved permit (APD) BLUEBELL DUCHESNE 1S-2W Sec14
- 43-013-31299 CORNABY 2-14A2      Oil Well Producing BLUEBELL DUCHESNE 1S-2W Sec 14
- 43-013-30035 FLY/DIA L BOREN 1-14A2      Oil Well Shut-In BLUEBELL DUCHESNE 1S-2W Sec 14

The Devon transaction to Linn Energy allowed EP Energy to exercise their preferential right to purchase the leases and wells in Sections 11 and 14 of T1S, 2W so EP Energy now owns these wells.

NAME (PLEASE PRINT) Debbie Chan      TITLE Reg. Compliance Supervisor  
SIGNATURE       DATE 9/23/2014

(This space for State use only)

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**SEP 23 2014**  
Div. of Oil, Gas & Mining

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-22865
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: LINN OPERATING, INC.	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: Rt. 2 Box 7735 , Roosevelt, UT, 84066	8. WELL NAME and NUMBER: MORRIS #3-8B1
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0700 FNL 0800 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 08 Township: 02.0S Range: 01.0W Meridian: U	9. API NUMBER: 43013518360000
PHONE NUMBER: 435 722-1325 Ext	9. FIELD and POOL or WILDCAT: BLUEBELL
COUNTY: DUCHESNE	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 11/20/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input checked="" type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

LINN Operating, Inc. hereby requests a one (1) year extension of the State APD for the above referenced well.

**Approved by the**  
**November 25, 2014**  
**Oil, Gas and Mining**

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

**By:**

<b>NAME (PLEASE PRINT)</b> Katherine Skinner	<b>PHONE NUMBER</b> 303 999-4037	<b>TITLE</b> Reg Compliance Spec 1
<b>SIGNATURE</b> N/A	<b>DATE</b> 11/20/2014	



**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 43013518360000**

API: 43013518360000

Well Name: MORRIS #3-8B1

Location: 0700 FNL 0800 FEL QTR NENE SEC 08 TWP 020S RNG 010W MER U

Company Permit Issued to: LINN OPERATING, INC.

Date Original Permit Issued: 4/1/2013

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: Katherine Skinner

Date: 11/20/2014

Title: Reg Compliance Spec 1 Representing: LINN OPERATING, INC.



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

April 7, 2016

Linn Operating, Inc.  
Rt. 2 Box 7735  
Roosevelt, UT 84066

Re: APD Rescinded – Morris #3-8B1, Sec. 8, T. 2S, R. 1W,  
Duchesne County, Utah API No. 43-013-51836

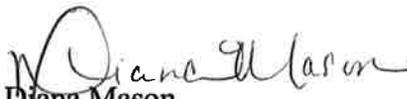
Ladies and Gentlemen:

The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on April 1, 2013. On March 13, 2014 and November 25, 2014 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 April 7, 2016.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

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  
SITLA, Ed Bonner