

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

FORM 3

AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER CEDAR POINT FEE 3526-16-1H				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT WILDCAT				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR ANADARKO E&P ONSHORE, LLC						7. OPERATOR PHONE 720 929-6300				
8. ADDRESS OF OPERATOR P.O. Box 173779, Denver, CO, 80217						9. OPERATOR E-MAIL julie.jacobson@anadarko.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-52114			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee') Jerry E. & Valerie L. Carhart						14. SURFACE OWNER PHONE (if box 12 = 'fee') 970-560-1506				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee') P.O. Box 623, Dove Creek, CO 81324						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input type="checkbox"/> HORIZONTAL <input checked="" type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		315 FSL 430 FEL		SESE	16	35.0 S	26.0 E	S		
Top of Uppermost Producing Zone		660 FNL 760 FEL		NENE	16	35.0 S	26.0 E	S		
At Total Depth		660 FNL 760 FEL		NENE	16	35.0 S	26.0 E	S		
21. COUNTY SAN JUAN			22. DISTANCE TO NEAREST LEASE LINE (Feet) 660			23. NUMBER OF ACRES IN DRILLING UNIT 640				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 5650			26. PROPOSED DEPTH MD: 9955 TVD: 5875				
27. ELEVATION - GROUND LEVEL 6698			28. BOND NUMBER 22013542			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE Municipal				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
SURF	13.5	9.625	0 - 2000	36.0	J-55 LT&C	8.4	Type III	620	2.21	12.5
							Type III	260	1.55	14.3
I1	8.75	7	0 - 6220	29.0	HCP-110 LT&C	10.0	Class G	510	1.52	12.5
							Class G	160	1.15	15.8
PROD	6	4.5	5320 - 9955	15.1	HCP-110 LT&C	10.0	Class G	360	1.52	13.5
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input checked="" type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Gina Becker			TITLE Regulatory Analyst II			PHONE 720 929-6086				
SIGNATURE			DATE 05/24/2013			EMAIL gina.becker@anadarko.com				
API NUMBER ASSIGNED 43037500600000			APPROVAL			 Permit Manager				

ANADARKO E&P ONSHORE, LLC**CEDAR POINT FEE 3526-16-1H**

Surface:	315 FSL / 430 FEL	SESE
BHL:	660 FNL / 760 FEL	NENE

Section 16 T35S R26E

San Juan County, Utah
Mineral Lease: ML-52114

ONSHORE ORDER NO. 1**DRILLING PROGRAM**

1. & 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Formation	TVD	
Dakota	Surface	
Morrison	120	Water
Entrada	1065	
Navajo	1142	Water
Chinle	1984	
Honaker Trail	4408	Gas & Water
Ismay	5638	Oil/Gas
Gothic	5875	Oil/Gas
TVD =	5875	
TD =	9955	

Please refer to the attached Drilling Program and Geological Information for the Pilot Hole information

3. **Pressure Control Equipment** (Schematic Attached)

The BOP is detailed on the the following tab. This BOP will be connected to a 5M choke panel with 2 chokes, one being remotley actuable. We will have a diverter on our surface holes. The BOPE will be NU after we set the surface string. All flows will be treated as a gas flow. We will shut-in, record pressures, set up a kill schedule & perform a weight-and-wait method to kill the well. After we have pumped the KWM around we will shut back in, record pressures, once pressures are zero, we will clear the floor, open the BOP and do a flow check.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program and Geological Information

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program and Geological Information

6. **Evaluation Program:**

Please refer to the attached Drilling Program and Geological Information

7/1/2013

RECEIVED: July 02, 2013

7. **Abnormal Conditions:**

Please refer to the attached Drilling Program and Geological Information

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

None

10. **Other Information:**

Please refer to the attached Drilling Program and Geological Information

Anadarko will use a Co-Flex hose line, a flexible pipe, instead of a hard steel pipe for the kill line. This will run from the BOP to the choke manifold, and will reduce the amount of time required to rig up for the re-entry work on the well.

Please see attached Drilling Program for specifications on the Co-Flex hose.

CONFIDENTIAL

DRILLING PROGRAM AND GEOLOGICAL INFORMATION

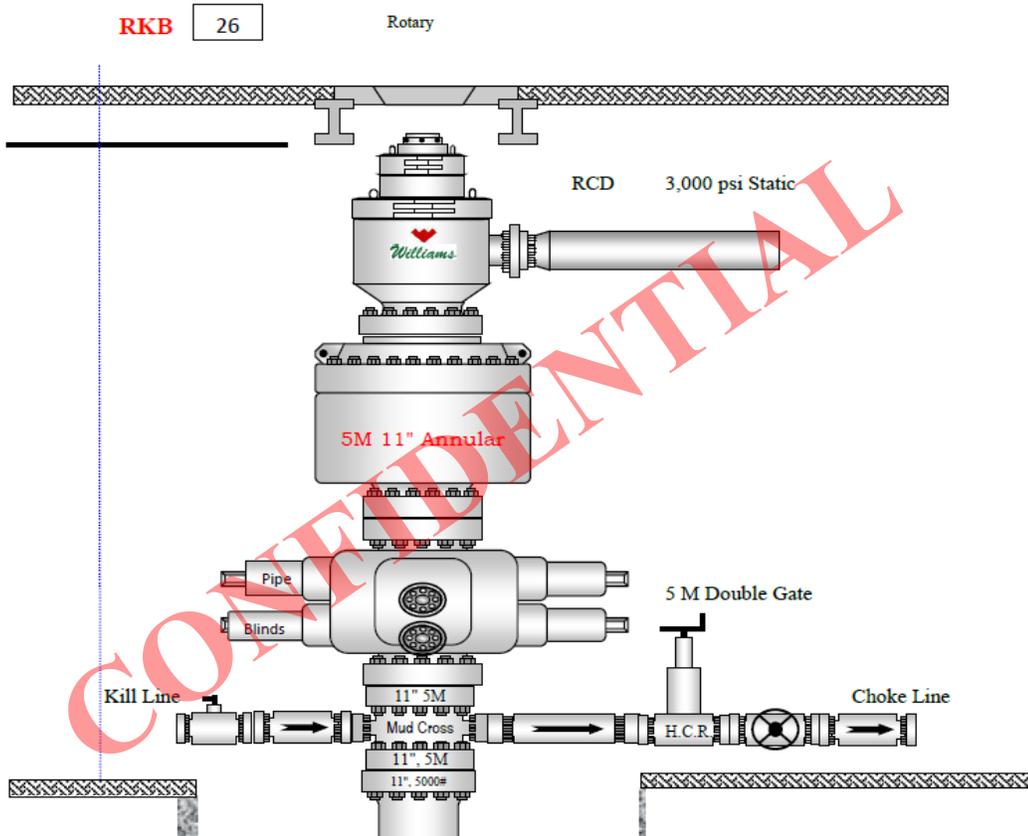
PROSPECT/FIELD	Wildcat (Rockies)	COUNTY	San Juan	GROUND ELEVATION	GR 6,698'	Source of drilling program: Danny Showers
OPERATOR	ANADARKO	STATE	UT	RIG HT.	26.0' KB	Source of geological tops: Ben Kessel
LEASE & WELL NO.	Cedar Point 3526-16-1H	FORM @ TD (HORIZONTAL HOLE)		Gothic Shale		
FORM @ TD (PILOT HOLE)	Akah					
Initial Target Line	5875 @ 0' VS w/ 90					

WELLBORE 9 5/8" CASING DEPTH MD: 2,000' TVD: 2,000' 7" CEMENT TOP MD: 1,500' TVD: 1,500' KOP TVD/MD: 5,320' LANDING AND 7" INTERMEDIATE DEPTH MD: 6,220' TVD: 5,875' 4 1/2" LINER TOP / TOC MD: 5,320' TVD: 5,320' 4 1/2" LINER DEPTH MD: 9,955' TVD: 5,875'	Based on 6,724' KB GEOLOGICAL TOPS: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Formation</th> <th>MD</th> <th>TVD</th> <th>Comments</th> </tr> </thead> <tbody> <tr> <td>Ismay</td> <td>5,679'</td> <td>5,638'</td> <td>Possible Pay (Oil/Gas)</td> </tr> <tr> <td>Gothic</td> <td>6,220'</td> <td>5,875'</td> <td>HZ Target Zone (Oil/Gas)</td> </tr> <tr> <td>Akah</td> <td>Pilot Hole TD</td> <td>5,983'</td> <td>Pilot Hole TD</td> </tr> </tbody> </table>	Formation	MD	TVD	Comments	Ismay	5,679'	5,638'	Possible Pay (Oil/Gas)	Gothic	6,220'	5,875'	HZ Target Zone (Oil/Gas)	Akah	Pilot Hole TD	5,983'	Pilot Hole TD	LOGGING PROGRAM: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Interval</th> <th>LWD & Mud Logging Requested</th> <th>Open Hole Logging Program</th> </tr> </thead> <tbody> <tr> <td>Surf Csg -KOP</td> <td>Mud Logging</td> <td></td> </tr> <tr> <td>KOP - LP</td> <td>Gamma Ray + Mud Logging</td> <td></td> </tr> <tr> <td>HZ Lateral</td> <td>Gamma Ray + Mud Logging</td> <td>None</td> </tr> <tr> <td>Pilot hole</td> <td>Gamma Ray + Mud Logging</td> <td>Minimum of a Triple Combo (GR/Res/Dens/Neutron)</td> </tr> <tr> <td>Special Request</td> <td>Core 345' Total 5638' - 5983'</td> <td></td> </tr> </tbody> </table>	Interval	LWD & Mud Logging Requested	Open Hole Logging Program	Surf Csg -KOP	Mud Logging		KOP - LP	Gamma Ray + Mud Logging		HZ Lateral	Gamma Ray + Mud Logging	None	Pilot hole	Gamma Ray + Mud Logging	Minimum of a Triple Combo (GR/Res/Dens/Neutron)	Special Request	Core 345' Total 5638' - 5983'																																																																																											
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TOE / 4 1/2" LINER SETTING DEPTH:	
MD: 9,955'	TVD: 5,875'
LATERAL LENGTH	
MD: 3,735'	

PILOT HOLE: MD: 5,983' TVD: 5,983'	BOTTOM HOLE PRESSURE Formation: Section 2,820 psi @ 5,875' or Gradient: 0.48 psi/ft or Gradient: psi/ft	Prepared by: Danny Showers Date: 07/02/13	Doc: Well Draft Drilling Diagram.xls
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EXHIBIT A
CEDAR POINT FEE 3526-16-1H



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK



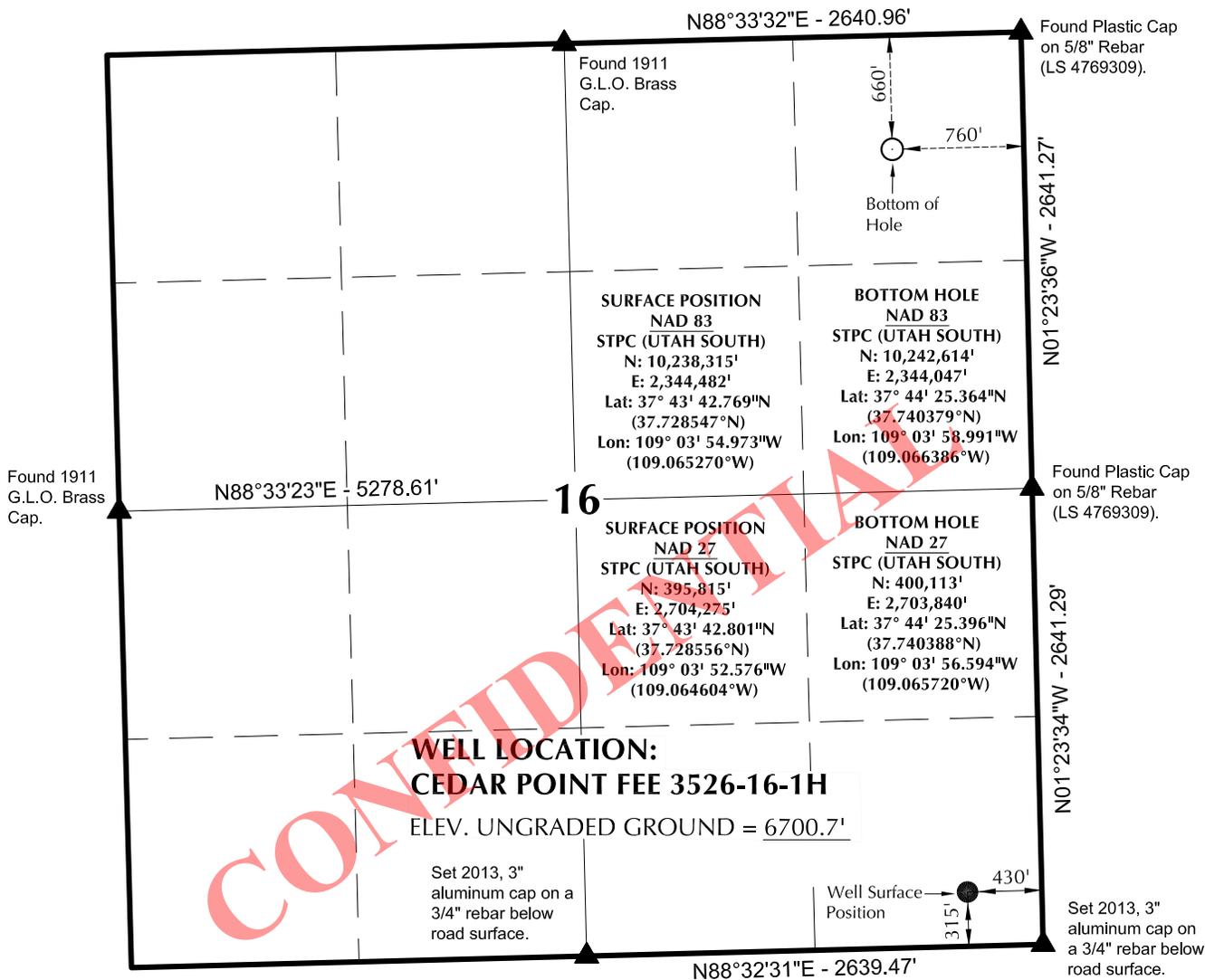
QUALITY DOCUMENT

**PHOENIX RUBBER
 INDUSTRIAL LTD.**

H-6728 Szeged, Budapesti út 10. Hungary • H-6701 Szeged P.O.Box: 152 • Phone: (3662) 566-737, Fax: (3662) 566-738
 The Court of Csongrád County as Registry Court, Registry Court reg.No.: Cg.06-09-002502

QUALITY CONTROL INSPECTION AND TEST CERTIFICATE				CERT. N°: 930	
PURCHASER: Phoenix Beattie Co.			P.O. N°: 000671		
PHOENIX ORDER N°: 337079	HOSE TYPE: 3" ID		Choke and Kill Hose		
HOSE SERIAL N°: 46305	NOMINAL / ACTUAL LENGTH:		6,10 m		
W.P. 68,96 MPa 10000 psi	T.P. 103,4 MPa 15000 psi	Duration:	60	min.	
Pressure test with water at ambient temperature See attachment. (1 page)					
CONFIDENTIAL					
↑ 10 mm = 10 Min. → 10 mm = 16 MPa					
COUPLINGS					
Type	Serial N°		Quality	Heat N°	
3" coupling with 4 1/16" Flange end	1818	1817	AISI 4130	93412	
			AISI 4130	59534	
API Spec 16 C Temperature rate: "B"					
All metal parts are flawless					
WE CERTIFY THAT THE ABOVE HOSE HAS BEEN MANUFACTURED IN ACCORDANCE WITH THE TERMS OF THE ORDER AND PRESSURE TESTED AS ABOVE WITH SATISFACTORY RESULT.					
Date: 07. April. 2006	Inspector		Quality Control PHOENIX RUBBER Industrial Ltd. Hose Inspection and Certification Dept.		

T35S, R26E, S.L.B.&M.



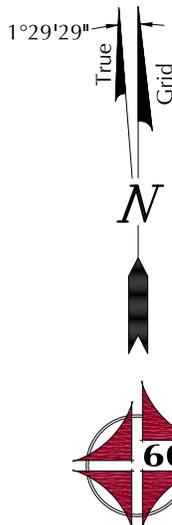
NOTES:

- ▲ = Section Corner Located
- 1. Well footages are measured at right angles to the Section Lines.
- 2. The Bottom of hole bears N05°46'32"W 4320.38' from the Surface Position.
- 3. Elevations Based on NAVD 88 (GEOID12A)
- 4. Basis of Bearings Derived From Utah Coordinate System 1983 South Zone Unless Otherwise Noted.
- 5. All Measured Distances Are Grid, U.S. Survey Foot. Combined Scale Factor: 0.99963207

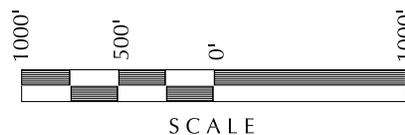
Anadarko E&P Onshore, LLC
1099 18th Street - Denver, Colorado 80202

WELL PAD - CEDAR POINT FEE 3526-16P

**CEDAR POINT FEE 3526-16-1H
WELL PLAT
660' FNL, 760' FEL (Bottom Hole)
NE ¼ NE ¼ OF SECTION 16, T35S, R26E,
S.L.B.&M., SAN JUAN COUNTY, UTAH.**



CONSULTING, LLC
2155 North Main Street
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182



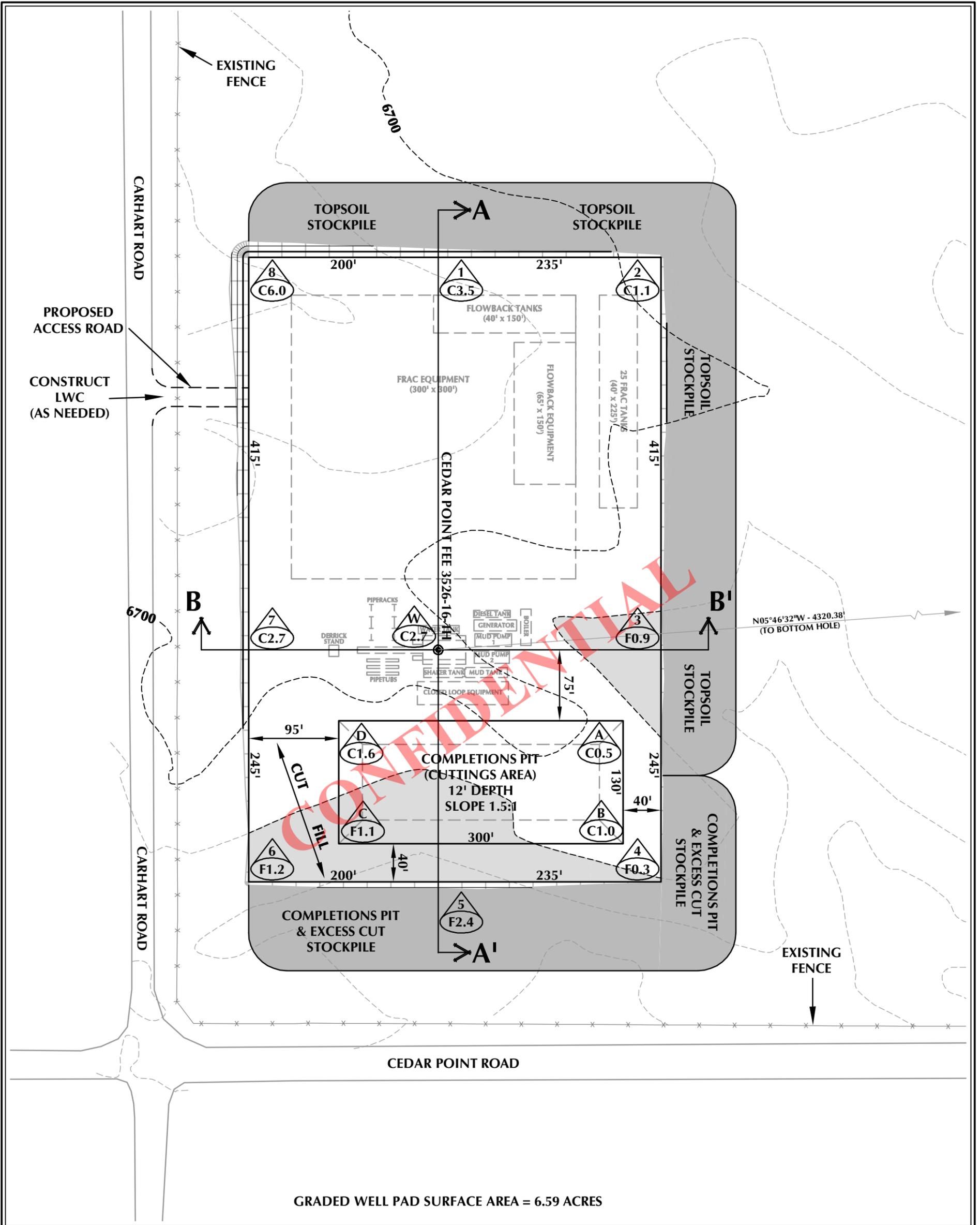
SURVEYOR'S CERTIFICATE

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

John R. Laugh
No. 6028691
4-26-2013
JOHN R. LAUGH
PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 4-16-13	SURVEYED BY: A.F.	SHEET NO: 1 1 OF 10
DATE DRAWN: 4-25-13	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'		
Date Last Revised:		



GRADED WELL PAD SURFACE AREA = 6.59 ACRES

WELL PAD - CEDAR POINT FEE 3526-16P DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 6700.7'
 FINISHED GRADE ELEVATION = 6698.0'
 CUT SLOPES = 3:1
 FILL SLOPES = 3:1
 TOTAL WELL PAD AREA = 6.95 ACRES
 TOTAL DISTURBANCE AREA = 9.94 ACRES
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00

WELL PAD QUANTITIES

TOTAL CUT FOR WELL PAD = 6,428 C.Y.
 TOTAL FILL FOR WELL PAD = 4,502 C.Y.
 TOPSOIL @ 24" DEPTH = 22,436 C.Y.
 EXCESS MATERIAL = 1,926 C.Y.

COMPLETIONS PIT QUANTITIES

TOTAL CUT FOR COMPLETIONS PIT +/- 14,090 C.Y.
 COMPLETIONS PIT CAPACITY (2' OF FREEBOARD) +/- 54,310 BARRELS

Anadarko E&P Onshore LLC
 1099 18th Street - Denver, Colorado 80202



CONSULTING, LLC
 2155 North Main Street
 Sheridan, WY 82801
 Phone 307-674-0609
 Fax 307-674-0182

TIMBERLINE (435) 789-1365
 ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PPL - PROPOSED PIPELINE
- EPL - EXISTING PIPELINE

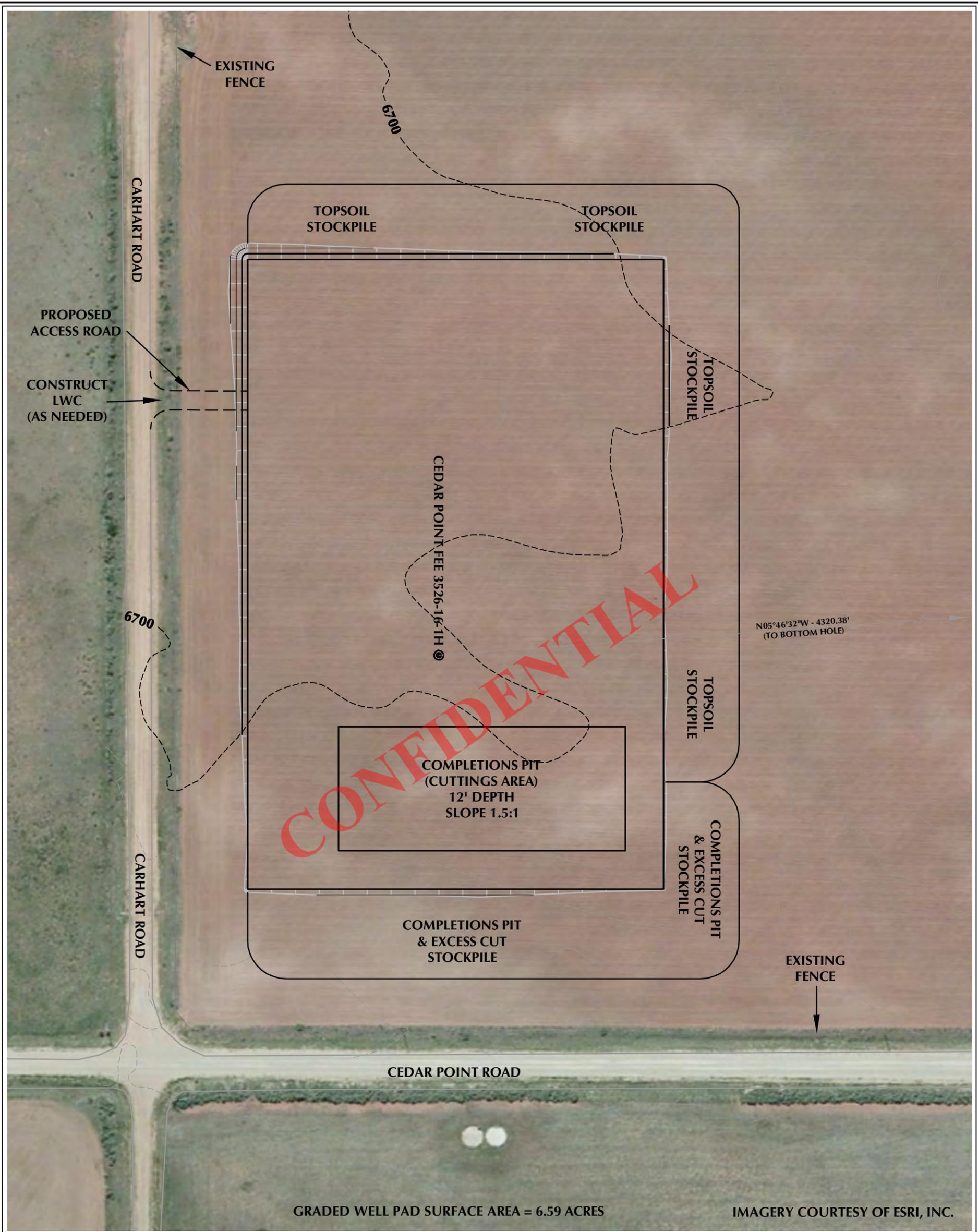


HORIZONTAL 0 50' 100' 1" = 100'
 2' CONTOURS

WELL PAD - CEDAR POINT FEE 3526-16P

WELL PAD - LOCATION LAYOUT
 CEDAR POINT FEE 3526-16-1H
 LOCATED IN SECTION 16, T35S, R26E,
 S.L.B.&M., SAN JUAN COUNTY, UTAH

SCALE: 1"=100' DATE: 4/26/13 SHEET NO:
 REVISED: JID 5/9/13 **2** 2 OF 10



GRADED WELL PAD SURFACE AREA = 6.59 ACRES

IMAGERY COURTESY OF ESRI, INC.

WELL PAD - CEDAR POINT FEE 3526-16P DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 6700.7'
 FINISHED GRADE ELEVATION = 6698.0'
 CUT SLOPES = 3:1
 FILL SLOPES = 3:1
 TOTAL WELL PAD AREA = 6.95 ACRES
 TOTAL DISTURBANCE AREA = 9.94 ACRES
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00

WELL PAD QUANTITIES
 TOTAL CUT FOR WELL PAD = 6,428 C.Y.
 TOTAL FILL FOR WELL PAD = 4,502 C.Y.
 TOPSOIL @ 24" DEPTH = 22,436 C.Y.
 EXCESS MATERIAL = 1,926 C.Y.

COMPLETIONS PIT QUANTITIES
 TOTAL CUT FOR COMPLETIONS PIT +/- 14,090 C.Y.
 COMPLETIONS PIT CAPACITY (2' OF FREEBOARD) +/- 54,310 BARRELS

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 209 NORTH 300 WEST - VERNAL, UTAH 84078

WELL PAD LEGEND

- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PPL - PROPOSED PIPELINE
- EPL - EXISTING PIPELINE



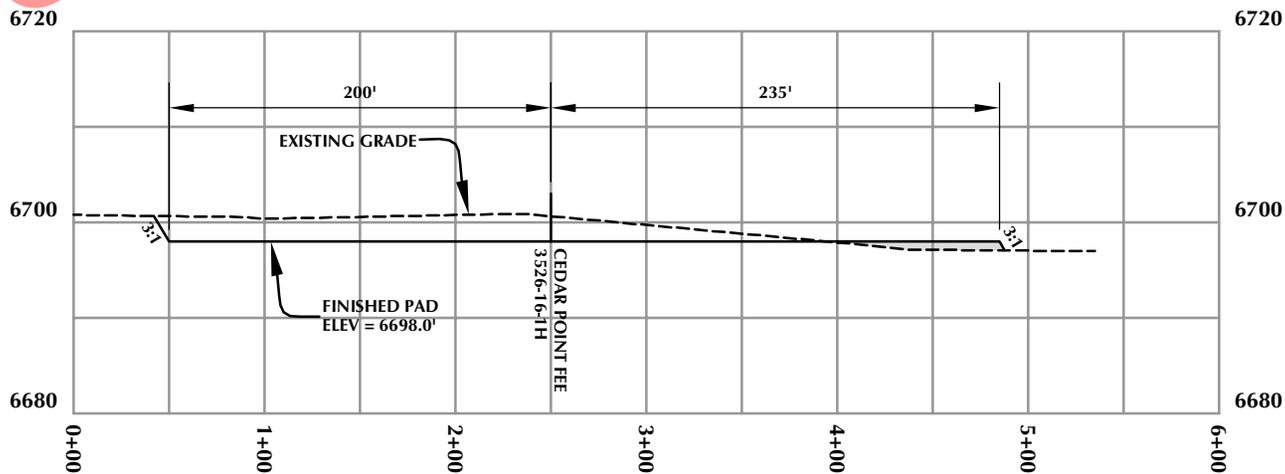
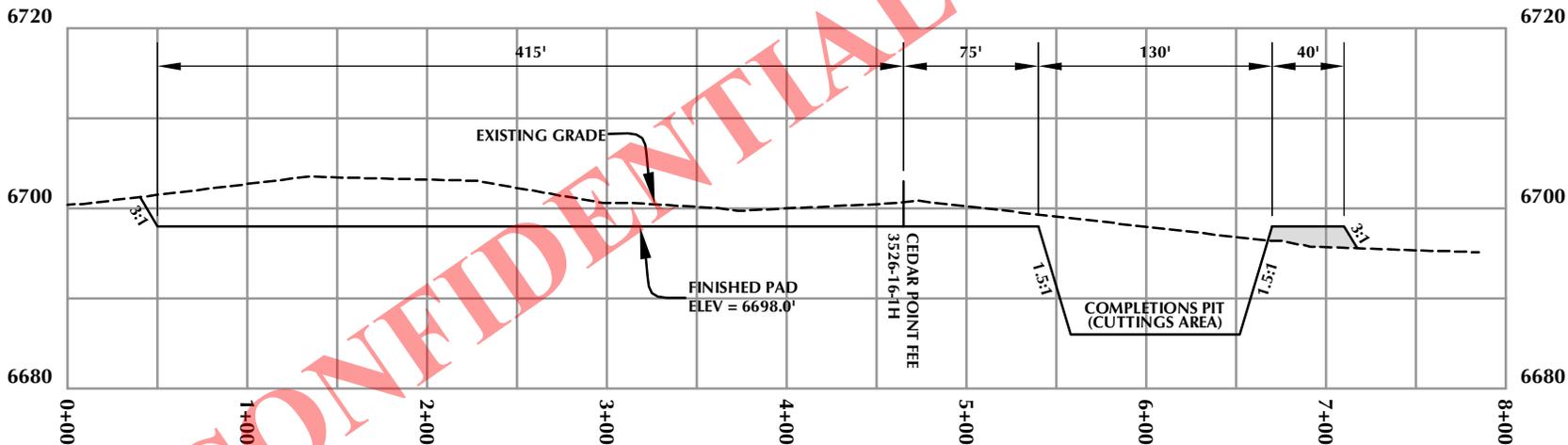
HORIZONTAL 0 50' 100' 1" = 100'
 2' CONTOURS

WELL PAD - CEDAR POINT FEE 3526-16P

WELL PAD - LOCATION LAYOUT
 CEDAR POINT FEE 3526-16-1H
 LOCATED IN SECTION 16, T35S, R26E,
 S.L.B.&M., SAN JUAN COUNTY, UTAH

SCALE: 1"=100' DATE: 4/26/13 SHEET NO: 3 3 OF 10
 REVISED: JID 5/9/13

K:\ANADARKO\2013_30_PAPADOX\MAPS_WELLS\DWG\CEDAR POINT FEE 3526-16-1H.dwg, 5/9/2013 11:52:27 AM, Jacob



Anadarko E&P Onshore LLC
1099 18th Street - Denver, Colorado 80202

WELL PAD - CEDAR POINT FEE 3526-16P

**WELL PAD - CROSS SECTIONS
CEDAR POINT FEE 3526-16-1H
LOCATED IN SECTION 16, T35S, R26E,
S.L.B.&M., SAN JUAN COUNTY, UTAH**



CONSULTING, LLC
2155 North Main Street
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365



SCALE: 1"=100'

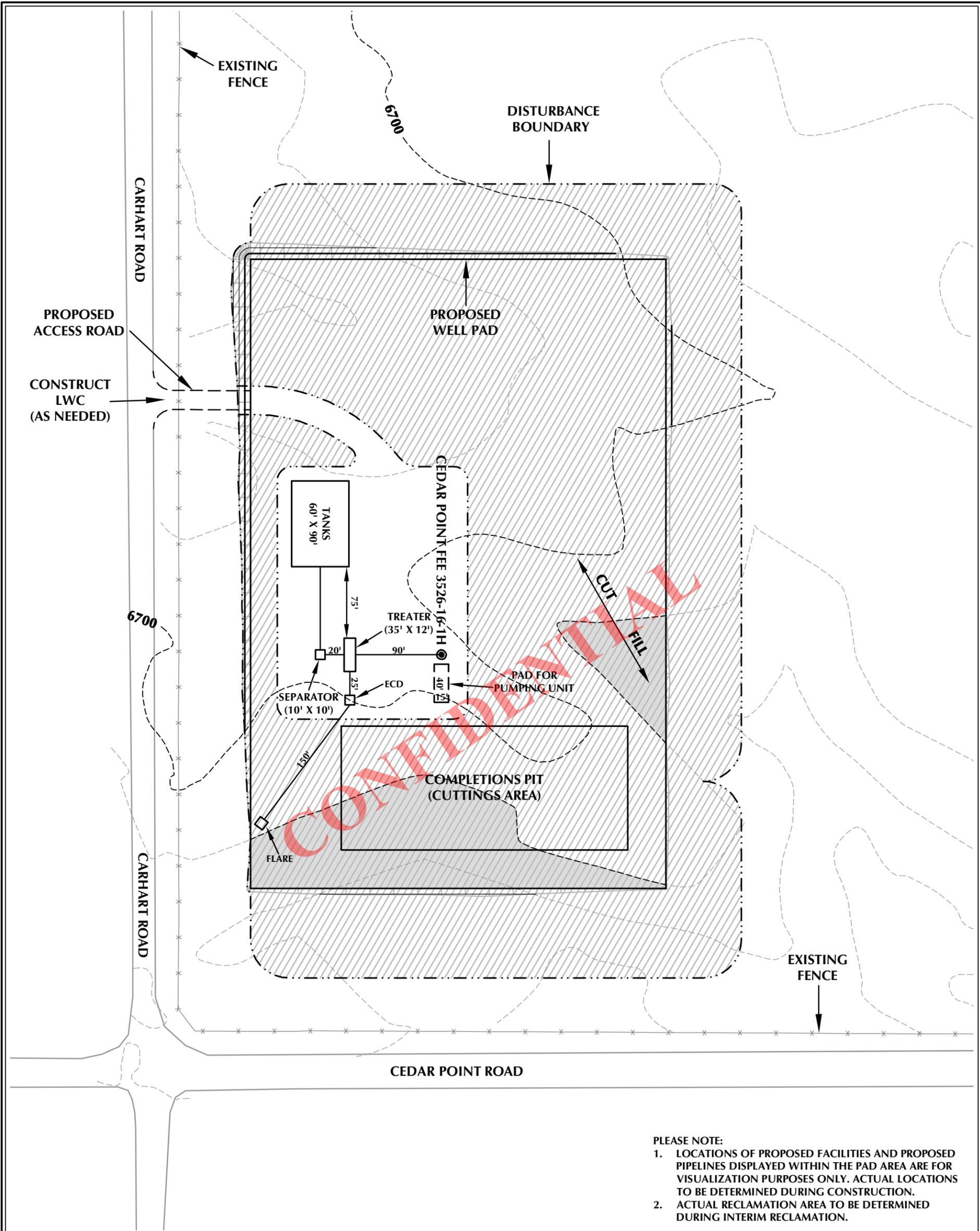
DATE: 4/26/13

SHEET NO:

REVISED:

4

4 OF 10



PLEASE NOTE:

1. LOCATIONS OF PROPOSED FACILITIES AND PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.
2. ACTUAL RECLAMATION AREA TO BE DETERMINED DURING INTERIM RECLAMATION.

WELL PAD - CEDAR POINT FEE 3526-16P RECLAMATION DESIGN SUMMARY

TOTAL DISTURBANCE AREA = 9.94 ACRES
 RECLAMATION AREA = 8.60 ACRES
 TOTAL WELL PAD AREA AFTER RECLAMATION = 1.34 ACRES

Anadarko E&P Onshore LLC
 1099 18th Street - Denver, Colorado 80202

WELL PAD - CEDAR POINT FEE 3526-16P

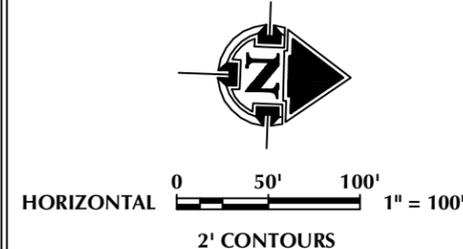
WELL PAD - RECLAMATION LAYOUT
 CEDAR POINT FEE 3526-16-1H
 LOCATED IN SECTION 16, T35S, R26E,
 S.L.B.&M., SAN JUAN COUNTY, UTAH



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 Fax 307-674-0182

TIMBERLINE
 ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

WELL PAD LEGEND	
	EXISTING WELL LOCATION
	PROPOSED WELL LOCATION
	EXISTING CONTOURS (2' INTERVAL)
	PROPOSED CONTOURS (2' INTERVAL)
	PROPOSED PIPELINE
	EXISTING PIPELINE
	RECLAMATION AREA



SCALE: 1"=100'	DATE: 4/26/13	SHEET NO:
REVISED:	JID 5/9/13	5 5 OF 10



PHOTO VIEW: FROM LOCATION STAKE TO CORNER #1

CAMERA ANGLE: WESTERLY



PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHERLY

Anadarko E&P Onshore, LLC
 1099 18th Street - Denver, Colorado 80202

WELL PAD - CEDAR POINT FEE 3526-16P

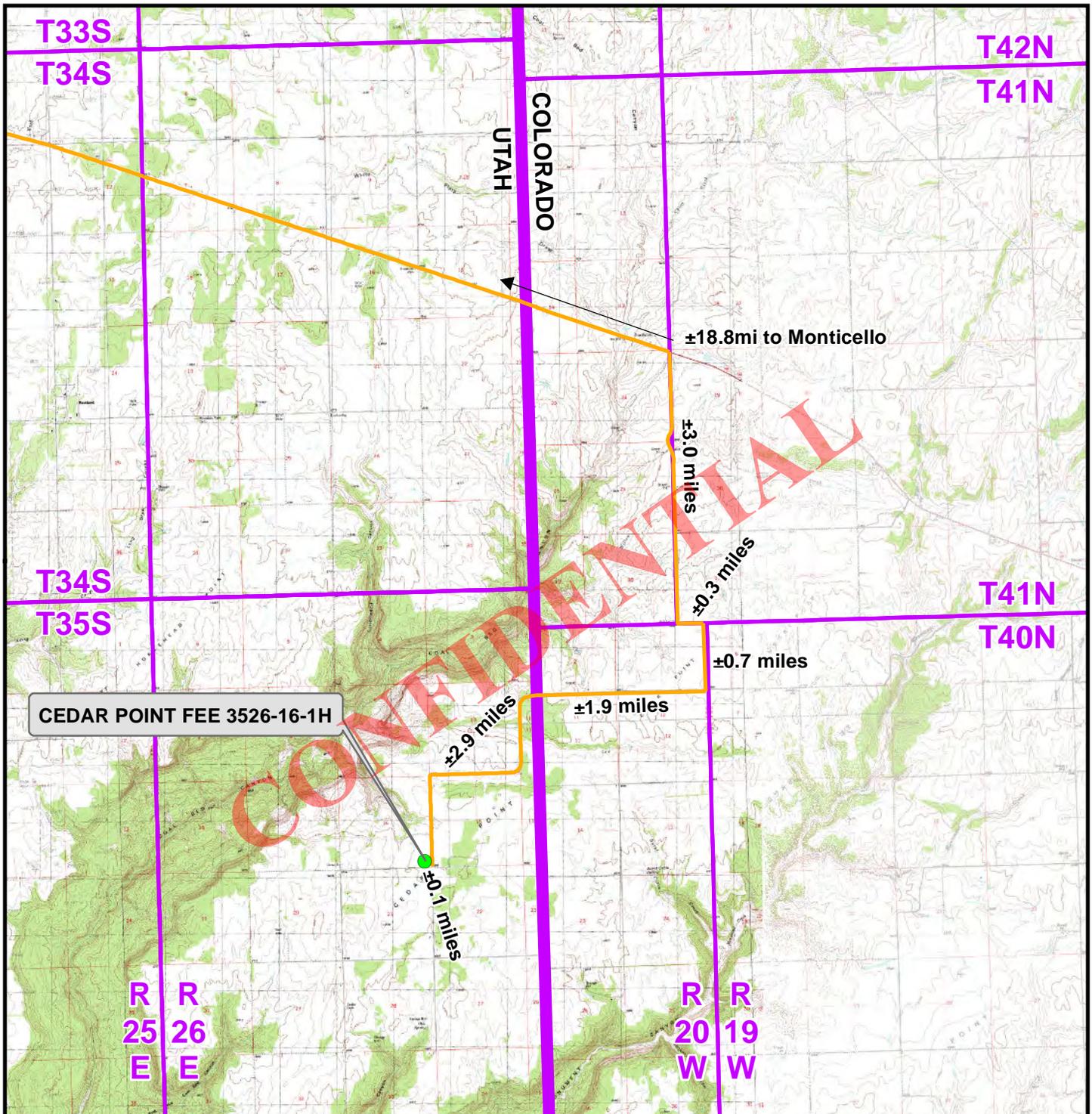
LOCATION PHOTOS
CEDAR POINT FEE 3526-16-1H
 LOCATED IN SECTION 16, T35S, R26E,
 S.L.B.&M., SAN JUAN COUNTY, UTAH.



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TIMBERLINE (435) 789-1365
 ENGINEERING & LAND SURVEYING, INC.
 209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE PHOTOS TAKEN: 4-16-13	PHOTOS TAKEN BY: A.F.	SHEET NO: 6 6 OF 10
DATE DRAWN: 4-25-13	DRAWN BY: M.W.W.	
Date Last Revised:		



CEDAR POINT FEE 3526-16-1H

Legend

- Proposed Well Location
- Access Route - Proposed

WELL PAD - CEDAR POINT FEE 3526-16P

**TOPO A
CEDAR POINT FEE 3526-16-1H
LOCATED IN SECTION 16, T35S, R26E,
S.L.B.&M., SAN JUAN COUNTY, UTAH**

**Anadarko E&P
Onshore LLC
1099 18th Street
Denver, Colorado 80202**



CONSULTING, LLC
2155 North Main Street
Sheridan, Wyoming 82801
Phone 307-674-0609
Fax 307-674-0182



SCALE: 1:100,000

NAD83 USP South

SHEET NO:

DRAWN: TL

DATE: 26 Apr 2013

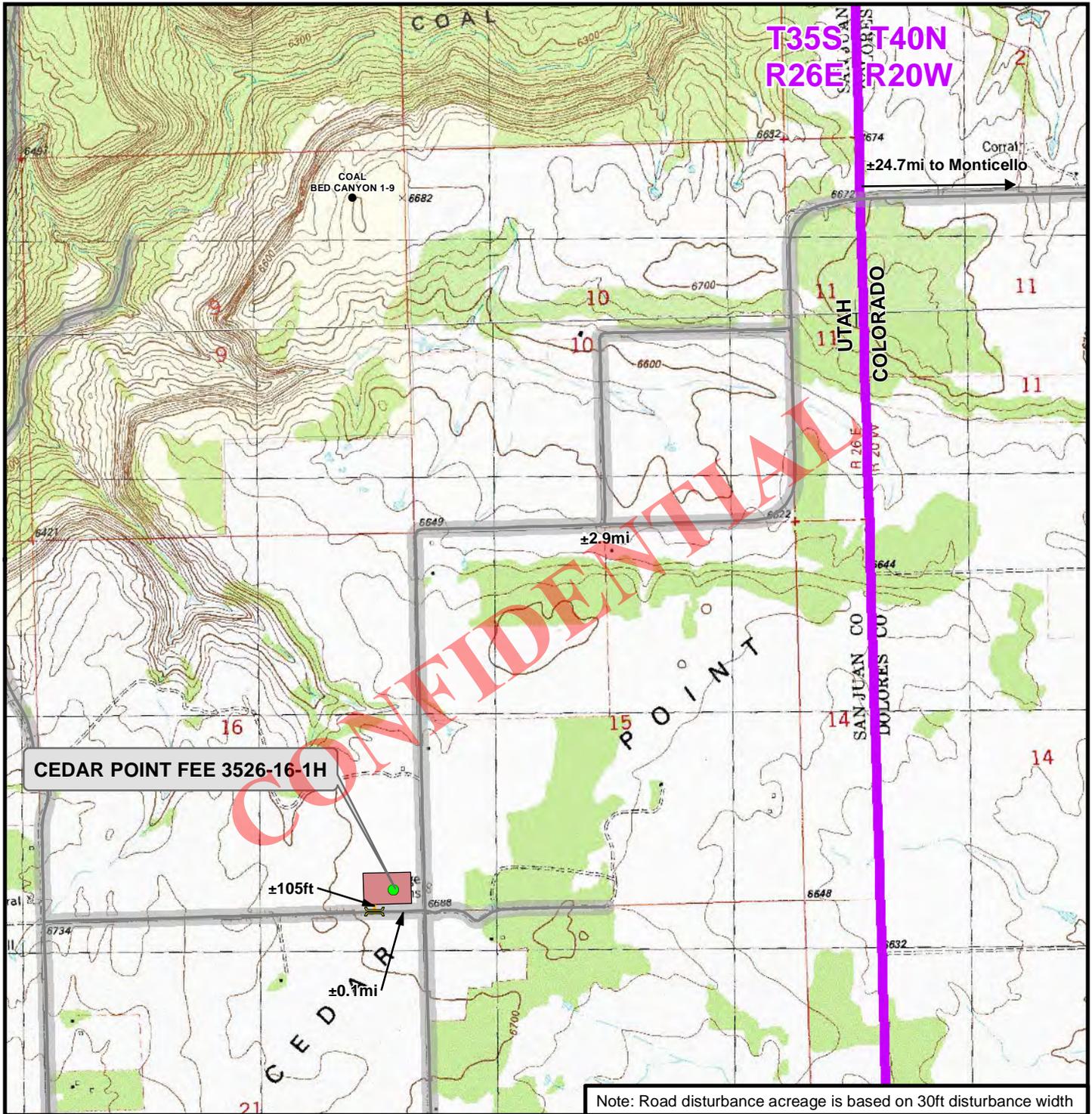
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REVISED: TL

DATE: 9 May 2013

7 OF 10

K:\ANADARKO\2013\2013_30_PARADOX_NAPA_WELLS\GIS\Maps_ABC\CEDAR POINT FEE 3526-16-1H\CEDAR POINT FEE 3526-16-1H_A.mxd/5/10/2013 9:47:29 AM



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CEDAR POINT FEE 3526-16-1H

Legend

- Well - Proposed
- Well - Existing
- Well Pad
- Road - Proposed
- Road - Existing
- County Road
- Culvert/LWC - Proposed
- Bureau of Land Management
- Indian Reservation
- State
- Private

Total Proposed Road Length: ±105ft
 Total Proposed Road Disturbance: ±0.072acres

WELL PAD - CEDAR POINT FEE 3526-16P

TOPO B
CEDAR POINT FEE 3526-16-1H
 LOCATED IN SECTION 16, T35S, R26E,
 S.L.B.&M., SAN JUAN COUNTY, UTAH

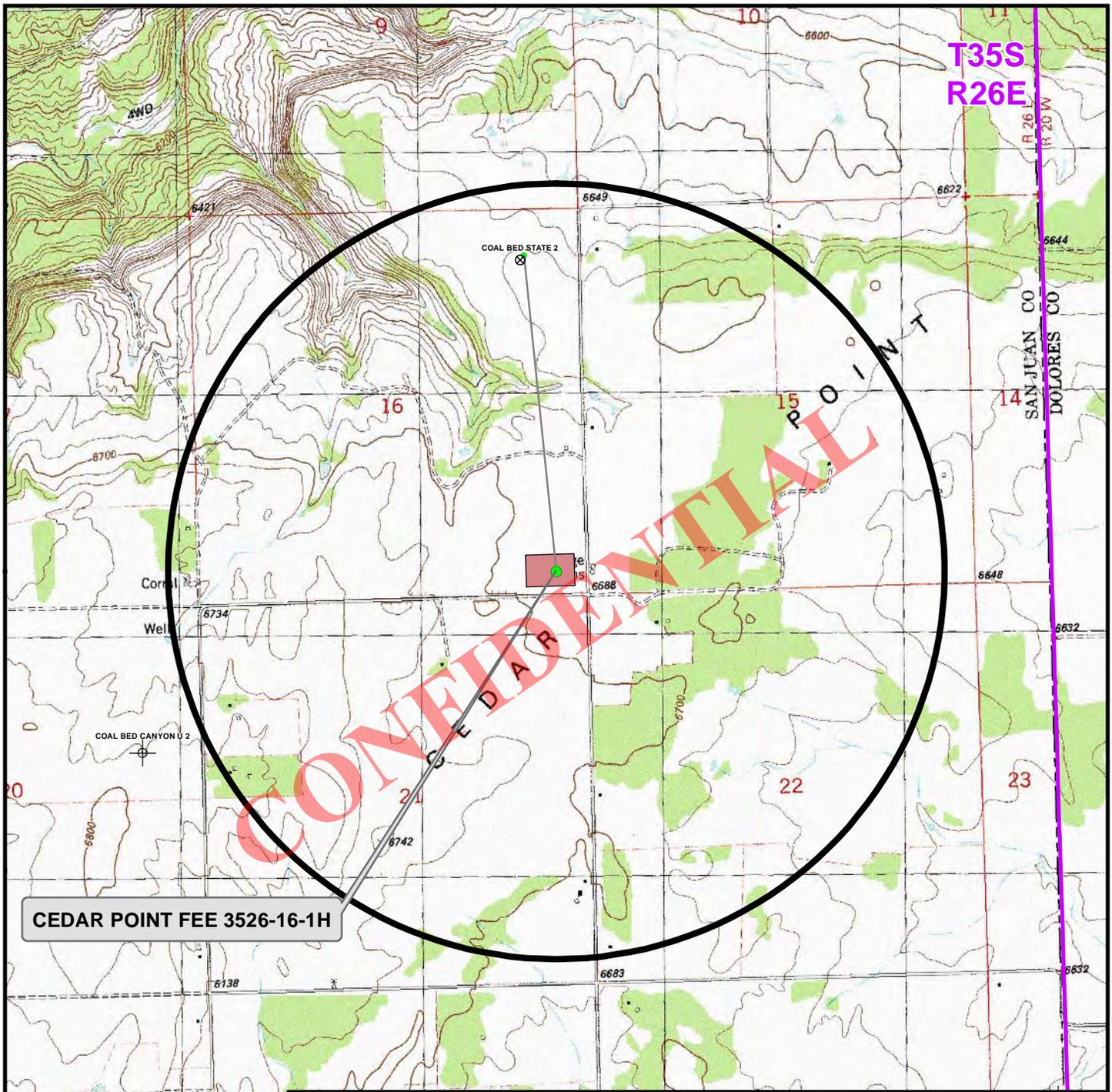
Anadarko E&P
Onshore LLC
 1099 18th Street
 Denver, Colorado 80202



CONSULTING, LLC
 2155 North Main Street
 Sheridan, Wyoming 82801
 Phone 307-674-0609
 Fax 307-674-0182



SCALE: 1" = 2,000ft	NAD83 USP South	8 8 OF 10
DRAWN: TL	DATE: 26 Apr 2013	
REVISED: TL	DATE: 9 May 2013	



CEDAR POINT FEE 3526-16-1H

There are no Existing or Permitted Wells within the One-Mile Radius

Legend			
● Well - Proposed	— Well Path	☀ Producing	⊕ APD Approved
● Bottom Hole - Proposed	■ Well Pad	☀ Active	○ New Permit
● Bottom Hole - Existing	⬜ Well - 1 Mile Radius	☺ Spudded	⊖ Temporarily-Abandoned
			⊕ Plugged and Abandoned
			⊗ Location Abandoned
			⊖ Shut-In

WELL PAD - CEDAR POINT FEE 3526-16P

**TOPO C
CEDAR POINT FEE 3526-16-1H
LOCATED IN SECTION 16, T35S, R26E,
S.L.B.&M., SAN JUAN COUNTY, UTAH**

**Anadarko E&P
Onshore LLC
1099 18th Street
Denver, Colorado 80202**



CONSULTING, LLC
2155 North Main Street
Sheridan, Wyoming 82801
Phone 307-674-0609
Fax 307-674-0182



SCALE: 1" = 2,000ft	NAD83 USP South	SHEET NO: 9 9 OF 10
DRAWN: TL	DATE: 26 Apr 2013	
REVISED:	DATE:	

RECEIVED: May 24, 2013

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**ANADARKO E&P ONSHORE LLC
WELL PAD – CEDAR POINT FEE 3526-16P
WELL – CEDAR POINT FEE 3526-16-1H
LOCATED IN SECTION 16
T35S, R26E, S.L.B.&M.**

From the intersection of North Main Street and East Center Street in Monticello, Utah, proceed in an easterly direction along East Center Street, which becomes U.S. Highway 491, approximately 18.8 miles, entering Colorado, to the intersection of County Road 2 to the south. Exit right and proceed in a southerly direction along County Road 2 approximately 3.0 miles to the intersection of County Road H to the east. Exit left and proceed in an easterly direction along County Road H approximately 0.3 miles to the intersection of County Road 2 to the south. Exit right and proceed in a southerly direction along County Road 2 approximately 0.7 miles to the intersection of County Road J to the west. Exit right and proceed in a westerly direction along County Road J approximately 1.9 miles to the Utah State Line and Cedar Point Road. Continue in a westerly, then southerly, then westerly, then southerly direction along Cedar Point Road approximately 2.9 miles to the intersection of Carhart Road to the west. Exit right and proceed in a westerly direction along Carhart Road approximately 0.1 miles to the proposed access road to the north. Exit right and follow the road flags in a northerly direction approximately 105 feet to the proposed well location.

Total distance from Monticello, Utah to the proposed Cedar Point Fee 3526-16P well pad is approximately 27.7 miles in a southeasterly direction.



Site: CEDAR POINT FEE 3526-16-1H
 Well: CEDAR POINT FEE 3526-16-1H
 Wellbore: HORIZONTAL
 Design: PLAN #3 HORIZONTAL



WELL DETAILS: CEDAR POINT FEE 3526-16-1H

GL 6698 & KB 26 @ 6724.00ft (ASSUMED)

+N-S	+E-W	Northing	Easting	Latitude	Longitude
0.00	0.00	13704882.51	2199993.88	37.7285560	-109.0646040

DESIGN TARGET DETAILS

Name	TVD	+N-S	+E-W	Northing	Easting	Latitude	Longitude	Shape
PBHL	5875.30	4308.29	-322.72	13709183.20	2199582.15	37.7403880	-109.0657200	Point
- plan hits target center								

SECTION DETAILS

MD	Inc	Azi	TVD	+N-S	+E-W	Dleg	TFace	VSect
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00
2419.39	6.39	270.00	2418.73	0.00	-17.79	2.00	270.00	1.33
5000.29	6.39	270.00	4983.61	0.00	-304.93	0.00	0.00	22.78
5319.69	0.00	0.00	5302.34	0.00	-322.72	2.00	180.00	24.11
6219.69	90.00	360.00	5875.30	572.96	-322.72	10.00	360.00	595.46
9955.02	90.00	360.00	5875.30	4308.29	-322.72	0.00	0.00	4320.36

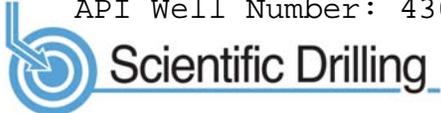
Geodetic System: Universal Transverse Mercator (US Survey Feet)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: Zone 12N (114 W to 108 W)
 Location: SECTION 16 T35S R26E
 System Datum: Mean Sea Level

CASING DETAILS

TVD	MD	Name	Size
2000.00	2000.00	9 5/8"	9.625
5875.30	6219.69	7"	7.000

FORMATION TOP DETAILS

TVDPATH	MDPATH	FORMATION
5638.30	5678.68	ISMAY
5875.30	6219.69	GOTHIC

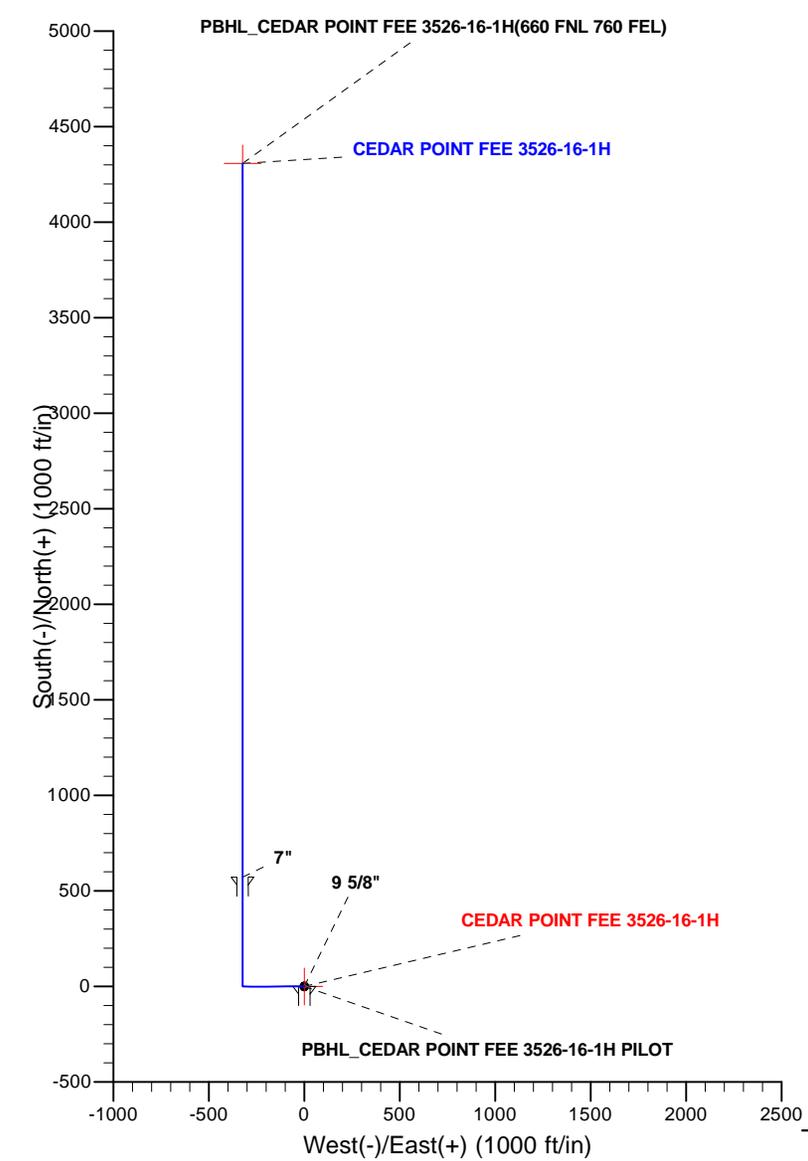
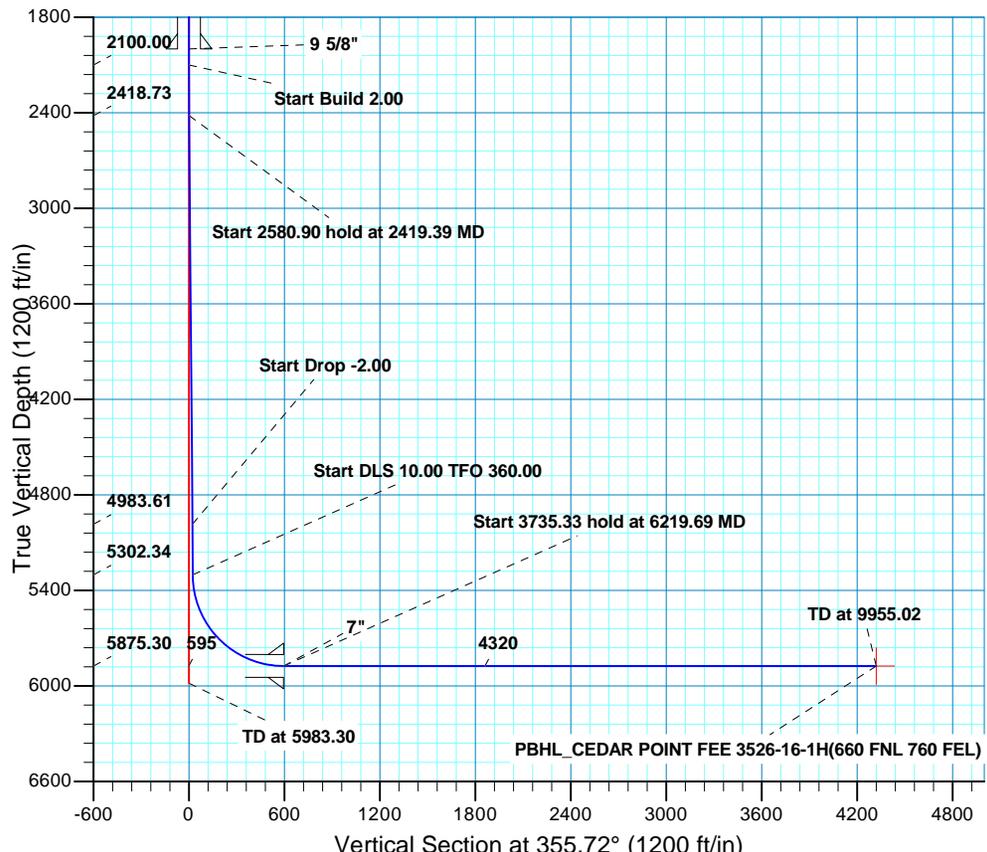


Project: UTAH - UTM (feet), NAD27, Zone 12N
 Site: CEDAR POINT FEE 3526-16-1H
 Well: CEDAR POINT FEE 3526-16-1H
 Wellbore: HORIZONTAL
 Design: PLAN #3 HORIZONTAL



WELL DETAILS: CEDAR POINT FEE 3526-16-1H										
GL 6698 & KB 26 @ 6724.00ft (ASSUMED)										
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude					
0.00	0.00	13704882.51	2199993.88	37.7285560	-109.0646040					
SECTION DETAILS										
MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec	Target	
2100.00	0.00	0.00	2100.00	0.00	0.00	0.00	0.00	0.00		
2419.39	6.39	270.00	2418.73	0.00	-17.79	2.00	270.00	1.33		
5000.29	6.39	270.00	4983.61	0.00	-304.93	0.00	0.00	22.78		
5319.69	0.00	0.00	5302.34	0.00	-322.72	2.00	180.00	24.11		
6219.69	90.00	360.00	5875.30	572.96	-322.72	10.00	360.00	595.46		
9955.02	90.00	360.00	5875.30	4308.29	-322.72	0.00	0.004320.36			PBHL_CEDAR POINT FEE 3526-16-1H(660 FNL 760 FEL)
FORMATION TOP DETAILS					CASING DETAILS					
TVDPath	MDPath	Formation	TVD	MD	Name	Size				
5638.30	5678.68	ISMAY	2000.00	2000.00	9 5/8"	9.625				
5875.30	6219.69	GOTHIC	5875.30	6219.69	7"	7.000				

CONFIDENTIAL





Scientific Drilling

US ROCKIES REGION PLANNING

UTAH - UTM (feet), NAD27, Zone 12N

CEDAR POINT FEE 3526-16-1H

CEDAR POINT FEE 3526-16-1H

HORIZONTAL

Plan: PLAN #3 HORIZONTAL

Standard Planning Report

01 July, 2013

CONFIDENTIAL





Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Site CEDAR POINT FEE 3526-16-1H
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 6698 & KB 26 @ 6724.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 6698 & KB 26 @ 6724.00ft (ASSUMED)
Site:	CEDAR POINT FEE 3526-16-1H	North Reference:	True
Well:	CEDAR POINT FEE 3526-16-1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HORIZONTAL		
Design:	PLAN #3 HORIZONTAL		

Project	UTAH - UTM (feet), NAD27, Zone 12N		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	CEDAR POINT FEE 3526-16-1H, SECTION 16 T35S R26E				
Site Position:	Northing:	13,704,882.51 usft	Latitude:	37.7285560	
From:	Lat/Long	Easting:	2,199,993.87 usft	Longitude:	-109.0646040
Position Uncertainty:	0.00 ft	Slot Radius:	13.200 in	Grid Convergence:	1.18 °

Well	CEDAR POINT FEE 3526-16-1H, 315' FSL430' FEL					
Well Position	+N/-S	0.00 ft	Northing:	13,704,882.51 usft	Latitude:	37.7285560
	+E/-W	0.00 ft	Easting:	2,199,993.87 usft	Longitude:	-109.0646040
Position Uncertainty		0.00 ft	Wellhead Elevation:		Ground Level:	6,698.00 ft

Wellbore	HORIZONTAL				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
	IGRF2010	2013/04/26	(°)	(°)	(nT)
			10.34	64.01	50,932

Design	PLAN #3 HORIZONTAL			
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	2,100.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction
	(ft)	(ft)	(ft)	(°)
	0.00	0.00	0.00	355.72

Plan Sections										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	
2,419.39	6.39	270.00	2,418.73	0.00	-17.79	2.00	2.00	0.00	270.00	
5,000.29	6.39	270.00	4,983.61	0.00	-304.93	0.00	0.00	0.00	0.00	
5,319.69	0.00	0.00	5,302.34	0.00	-322.72	2.00	-2.00	0.00	180.00	
6,219.69	90.00	360.00	5,875.30	572.96	-322.72	10.00	10.00	0.00	360.00	
9,955.02	90.00	360.00	5,875.30	4,308.29	-322.72	0.00	0.00	0.00	0.00	PBHL_CEDAR POIN



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Site CEDAR POINT FEE 3526-16-1H
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 6698 & KB 26 @ 6724.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 6698 & KB 26 @ 6724.00ft (ASSUMED)
Site:	CEDAR POINT FEE 3526-16-1H	North Reference:	True
Well:	CEDAR POINT FEE 3526-16-1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HORIZONTAL		
Design:	PLAN #3 HORIZONTAL		

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 2.00										
2,200.00	2.00	270.00	2,199.98	0.00	-1.75	0.13	2.00	2.00	2.00	0.00
2,300.00	4.00	270.00	2,299.84	0.00	-6.98	0.52	2.00	2.00	2.00	0.00
2,400.00	6.00	270.00	2,399.45	0.00	-15.69	1.17	2.00	2.00	2.00	0.00
2,419.39	6.39	270.00	2,418.73	0.00	-17.79	1.33	2.00	2.00	2.00	0.00
Start 2580.90 hold at 2419.39 MD										
2,500.00	6.39	270.00	2,498.84	0.00	-26.75	2.00	0.00	0.00	0.00	0.00
2,600.00	6.39	270.00	2,598.22	0.00	-37.88	2.83	0.00	0.00	0.00	0.00
2,700.00	6.39	270.00	2,697.60	0.00	-49.01	3.66	0.00	0.00	0.00	0.00
2,800.00	6.39	270.00	2,796.98	0.00	-60.13	4.49	0.00	0.00	0.00	0.00
2,900.00	6.39	270.00	2,896.35	0.00	-71.26	5.32	0.00	0.00	0.00	0.00
3,000.00	6.39	270.00	2,995.73	0.00	-82.38	6.15	0.00	0.00	0.00	0.00
3,100.00	6.39	270.00	3,095.11	0.00	-93.51	6.98	0.00	0.00	0.00	0.00
3,200.00	6.39	270.00	3,194.49	0.00	-104.64	7.82	0.00	0.00	0.00	0.00
3,300.00	6.39	270.00	3,293.87	0.00	-115.76	8.65	0.00	0.00	0.00	0.00
3,400.00	6.39	270.00	3,393.25	0.00	-126.89	9.48	0.00	0.00	0.00	0.00
3,500.00	6.39	270.00	3,492.63	0.00	-138.01	10.31	0.00	0.00	0.00	0.00
3,600.00	6.39	270.00	3,592.01	0.00	-149.14	11.14	0.00	0.00	0.00	0.00
3,700.00	6.39	270.00	3,691.39	0.00	-160.26	11.97	0.00	0.00	0.00	0.00
3,800.00	6.39	270.00	3,790.77	0.00	-171.39	12.80	0.00	0.00	0.00	0.00
3,900.00	6.39	270.00	3,890.15	0.00	-182.52	13.63	0.00	0.00	0.00	0.00
4,000.00	6.39	270.00	3,989.53	0.00	-193.64	14.46	0.00	0.00	0.00	0.00
4,100.00	6.39	270.00	4,088.90	0.00	-204.77	15.30	0.00	0.00	0.00	0.00
4,200.00	6.39	270.00	4,188.28	0.00	-215.89	16.13	0.00	0.00	0.00	0.00
4,300.00	6.39	270.00	4,287.66	0.00	-227.02	16.96	0.00	0.00	0.00	0.00
4,400.00	6.39	270.00	4,387.04	0.00	-238.15	17.79	0.00	0.00	0.00	0.00
4,500.00	6.39	270.00	4,486.42	0.00	-249.27	18.62	0.00	0.00	0.00	0.00
4,600.00	6.39	270.00	4,585.80	0.00	-260.40	19.45	0.00	0.00	0.00	0.00
4,700.00	6.39	270.00	4,685.18	0.00	-271.52	20.28	0.00	0.00	0.00	0.00
4,800.00	6.39	270.00	4,784.56	0.00	-282.65	21.11	0.00	0.00	0.00	0.00
4,900.00	6.39	270.00	4,883.94	0.00	-293.78	21.94	0.00	0.00	0.00	0.00
5,000.00	6.39	270.00	4,983.32	0.00	-304.90	22.78	0.00	0.00	0.00	0.00
5,000.29	6.39	270.00	4,983.61	0.00	-304.93	22.78	0.00	0.00	0.00	0.00
Start Drop -2.00										
5,100.00	4.39	270.00	5,082.87	0.00	-314.30	23.48	2.00	-2.00	2.00	0.00
5,200.00	2.39	270.00	5,182.69	0.00	-320.22	23.92	2.00	-2.00	2.00	0.00
5,300.00	0.39	270.00	5,282.65	0.00	-322.65	24.10	2.00	-2.00	2.00	0.00
5,319.69	0.00	0.00	5,302.34	0.00	-322.72	24.11	2.00	-2.00	2.00	0.00
Start DLS 10.00 TFO 360.00										
5,400.00	8.03	360.00	5,382.39	5.62	-322.72	29.71	10.00	10.00	10.00	0.00
5,500.00	18.03	360.00	5,479.69	28.14	-322.72	52.17	10.00	10.00	10.00	0.00
5,600.00	28.03	360.00	5,571.60	67.21	-322.72	91.13	10.00	10.00	10.00	0.00
5,678.68	35.90	360.00	5,638.30	108.83	-322.72	132.64	10.00	10.00	10.00	0.00
ISMA Y										
5,700.00	38.03	360.00	5,655.34	121.65	-322.72	145.42	10.00	10.00	10.00	0.00
5,800.00	48.03	360.00	5,728.34	189.81	-322.72	213.38	10.00	10.00	10.00	0.00
5,900.00	58.03	360.00	5,788.40	269.60	-322.72	292.96	10.00	10.00	10.00	0.00
6,000.00	68.03	360.00	5,833.69	358.62	-322.72	381.72	10.00	10.00	10.00	0.00
6,100.00	78.03	360.00	5,862.84	454.14	-322.72	476.98	10.00	10.00	10.00	0.00
6,200.00	88.03	360.00	5,874.96	553.28	-322.72	575.84	10.00	10.00	10.00	0.00
6,219.69	90.00	360.00	5,875.30	572.96	-322.72	595.47	10.00	10.00	10.00	0.00
Start 3735.33 hold at 6219.69 MD - GOTHIC - 7"										



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Site CEDAR POINT FEE 3526-16-1H
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 6698 & KB 26 @ 6724.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 6698 & KB 26 @ 6724.00ft (ASSUMED)
Site:	CEDAR POINT FEE 3526-16-1H	North Reference:	True
Well:	CEDAR POINT FEE 3526-16-1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HORIZONTAL		
Design:	PLAN #3 HORIZONTAL		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,300.00	90.00	360.00	5,875.30	653.27	-322.72	675.55	0.00	0.00	0.00
6,400.00	90.00	360.00	5,875.30	753.27	-322.72	775.27	0.00	0.00	0.00
6,500.00	90.00	360.00	5,875.30	853.27	-322.72	874.99	0.00	0.00	0.00
6,600.00	90.00	360.00	5,875.30	953.27	-322.72	974.71	0.00	0.00	0.00
6,700.00	90.00	360.00	5,875.30	1,053.27	-322.72	1,074.44	0.00	0.00	0.00
6,800.00	90.00	360.00	5,875.30	1,153.27	-322.72	1,174.16	0.00	0.00	0.00
6,900.00	90.00	360.00	5,875.30	1,253.27	-322.72	1,273.88	0.00	0.00	0.00
7,000.00	90.00	360.00	5,875.30	1,353.27	-322.72	1,373.60	0.00	0.00	0.00
7,100.00	90.00	360.00	5,875.30	1,453.27	-322.72	1,473.32	0.00	0.00	0.00
7,200.00	90.00	360.00	5,875.30	1,553.27	-322.72	1,573.04	0.00	0.00	0.00
7,300.00	90.00	360.00	5,875.30	1,653.27	-322.72	1,672.76	0.00	0.00	0.00
7,400.00	90.00	360.00	5,875.30	1,753.27	-322.72	1,772.48	0.00	0.00	0.00
7,500.00	90.00	360.00	5,875.30	1,853.27	-322.72	1,872.20	0.00	0.00	0.00
7,600.00	90.00	360.00	5,875.30	1,953.27	-322.72	1,971.92	0.00	0.00	0.00
7,700.00	90.00	360.00	5,875.30	2,053.27	-322.72	2,071.64	0.00	0.00	0.00
7,800.00	90.00	360.00	5,875.30	2,153.27	-322.72	2,171.36	0.00	0.00	0.00
7,900.00	90.00	360.00	5,875.30	2,253.27	-322.72	2,271.08	0.00	0.00	0.00
8,000.00	90.00	360.00	5,875.30	2,353.27	-322.72	2,370.80	0.00	0.00	0.00
8,100.00	90.00	360.00	5,875.30	2,453.27	-322.72	2,470.52	0.00	0.00	0.00
8,200.00	90.00	360.00	5,875.30	2,553.27	-322.72	2,570.24	0.00	0.00	0.00
8,300.00	90.00	360.00	5,875.30	2,653.27	-322.72	2,669.97	0.00	0.00	0.00
8,400.00	90.00	360.00	5,875.30	2,753.27	-322.72	2,769.69	0.00	0.00	0.00
8,500.00	90.00	360.00	5,875.30	2,853.27	-322.72	2,869.41	0.00	0.00	0.00
8,600.00	90.00	360.00	5,875.30	2,953.27	-322.72	2,969.13	0.00	0.00	0.00
8,700.00	90.00	360.00	5,875.30	3,053.27	-322.72	3,068.85	0.00	0.00	0.00
8,800.00	90.00	360.00	5,875.30	3,153.27	-322.72	3,168.57	0.00	0.00	0.00
8,900.00	90.00	360.00	5,875.30	3,253.27	-322.72	3,268.29	0.00	0.00	0.00
9,000.00	90.00	360.00	5,875.30	3,353.27	-322.72	3,368.01	0.00	0.00	0.00
9,100.00	90.00	360.00	5,875.30	3,453.27	-322.72	3,467.73	0.00	0.00	0.00
9,200.00	90.00	360.00	5,875.30	3,553.27	-322.72	3,567.45	0.00	0.00	0.00
9,300.00	90.00	360.00	5,875.30	3,653.27	-322.72	3,667.17	0.00	0.00	0.00
9,400.00	90.00	360.00	5,875.30	3,753.27	-322.72	3,766.89	0.00	0.00	0.00
9,500.00	90.00	360.00	5,875.30	3,853.27	-322.72	3,866.61	0.00	0.00	0.00
9,600.00	90.00	360.00	5,875.30	3,953.27	-322.72	3,966.33	0.00	0.00	0.00
9,700.00	90.00	360.00	5,875.30	4,053.27	-322.72	4,066.05	0.00	0.00	0.00
9,800.00	90.00	360.00	5,875.30	4,153.27	-322.72	4,165.78	0.00	0.00	0.00
9,900.00	90.00	360.00	5,875.30	4,253.27	-322.72	4,265.50	0.00	0.00	0.00
9,955.02	90.00	360.00	5,875.30	4,308.29	-322.72	4,320.36	0.00	0.00	0.00
TD at 9955.02 - PBHL_CEDAR POINT FEE 3526-16-1H(660 FNL 760 FEL)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
PBHL_CEDAR POINT F - hit/miss target - Shape - plan hits target center - Point	0.00	0.00	5,875.30	4,308.29	-322.72	13,709,183.20	2,199,582.15	37.7403880	-109.0657200



Database:	EDM5000-RobertS-Local	Local Co-ordinate Reference:	Site CEDAR POINT FEE 3526-16-1H
Company:	US ROCKIES REGION PLANNING	TVD Reference:	GL 6698 & KB 26 @ 6724.00ft (ASSUMED)
Project:	UTAH - UTM (feet), NAD27, Zone 12N	MD Reference:	GL 6698 & KB 26 @ 6724.00ft (ASSUMED)
Site:	CEDAR POINT FEE 3526-16-1H	North Reference:	True
Well:	CEDAR POINT FEE 3526-16-1H	Survey Calculation Method:	Minimum Curvature
Wellbore:	HORIZONTAL		
Design:	PLAN #3 HORIZONTAL		

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (in)	Hole Diameter (in)	
2,000.00	2,000.00	9 5/8"	9.625	12.250	
6,219.69	5,875.30	7"	7.000	7.500	

Formations					
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)
5,678.68	5,638.30	ISMAY		0.00	
6,219.69	5,875.30	GOTHIC		0.00	

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment	
		+N/-S (ft)	+E/-W (ft)		
2,100.00	2,100.00	0.00	0.00	Start Build 2.00	
2,419.39	2,418.73	0.00	-17.79	Start 2580.90 hold at 2419.39 MD	
5,000.29	4,983.61	0.00	-304.93	Start Drop -2.00	
5,319.69	5,302.34	0.00	-322.72	Start DLS 10.00 TFO 360.00	
6,219.69	5,875.30	572.96	-322.72	Start 3735.33 hold at 6219.69 MD	
9,955.02	5,875.30	4,308.29	-322.72	TD at 9955.02	

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AFFIDAVIT OF SURFACE USE AGREEMENT

I, Michael P. Coder, Land Manager for Anadarko Petroleum Corporation, do hereby state the following:

Anadarko E&P Onshore LLC has entered into a Surface Use Agreement with Jerry E. Carhart and Valerie L. Carhart, Joint Tenants, of P. O. Box 623, Dove Creek, Colorado 81324.

This Surface Use Agreement remains in force and was entered into effective March 6, 2013, covering the following lands in San Juan County, Utah:

Township 35 South, Range 26 East, SLM
Section 16: All
containing 640.41 acres, more or less

Executed this 20th day of MAY, 2013

Michael P. Coder
Michael P. Coder
Anadarko Petroleum Corporation

Jerry E. Carhart

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Anadarko E&P Onshore, LLC

Surface Use Plan of Operations

CEDAR POINT FEE 3526-16-1H

Surface: 315 FSL / 430 FEL SESE

BHL: 660 FNL / 760 FEL NENE

A. Existing Roads:

Existing roads consist of county and improved/unimproved access roads (two-tracks). In accordance with Onshore Order #1, Anadarko E&P Onshore, LLC (Anadarko) will, in accordance with BMPs, improve or maintain existing roads in a condition that is the same as or better than before operations began. No new disturbance will be created with these activities.

The existing roads will be maintained in a safe and usable condition. Maintenance for existing roads will continue until final abandonment and reclamation of well pads and/or other facilities, as applicable. Road maintenance will include, but is not limited to, blading, ditching, and/or culvert installation and cleanout. To ensure safe operating conditions, gravel surfacing will be performed where excessive rutting or erosion may occur. Dust control will be performed as necessary to ensure safe operating conditions.

B. Location of Existing and/or Proposed Facilities:

Should the well prove productive, production facilities will be installed on the disturbed portion of each well pad. A berm will be constructed completely around production components (typically excluding dehy's and/or separators) that contain fluids (i.e. production tanks, produced liquids tanks). The berms will generally be constructed of compacted subsoil or corrugated metal, and will hold the capacity of the largest tank and have sufficient freeboard to accommodate a 25 year rainfall event. This includes pumping units. Gas that may be produced will be flared on location. A production facility layout is provided as part of a project-specific APD.

Anadarko will place a 30 millimeter thick impermeable liner under the rig. A single felt liner will also be installed under the impermeable liner for padding. The liner will be approximately 200' by 200', and should cover the entire rig, mud tanks, fuel tanks and any other equipment needed during the drilling operations.

C. Pits for Drilling and Completions:

Anadarko will use a closed loop mud drilling system that will require one pit and one storage area to be constructed on the drilling pad. The storage area will be used to contain only the de-watered drill cuttings and will be lined and reclaimed according to traditional pit closure standards. The pit will be constructed to allow for completion operations. The completion operations pit is lined with felt and 30

mil liner and will be used for the well drilled on the pad. All four sides of the completions pit will be fenced in according to standard pit fencing procedures. Netting will be installed over all pits.

Anadarko will use a closed loop mud system and will rent an oil based mud from Anchor and will be returning the oil based mud that is left at the end of the well to Anchor. Anadarko will utilize drip pans, catch pans, and secondary containment on the well site. Upon completions of the re-entry, Anadarko will either treat and bury the cuttings in a pit on the well pad, or collect the cuttings in boxes to have hauled off to a land farm in Altamont for disposal.

D. Location and Types of Water Supply:

Water for drilling and completion operations will be obtained from the city of Dove Creek, Colorado and/or from the city of Monticello, Utah. Water will be hauled to location over the existing access roads. No water well is to be drilled on this lease.

E. Methods for Handling Waste:

All wastes subject to regulation will be handled in compliance with applicable laws to minimize the potential for leaks or spills to the environment. Anadarko also maintains a Spill Control and Countermeasure Plan, which includes notification requirements, including the BLM, for all reportable spills of oil, produced liquids, and hazardous materials.

Any accidental release, such as a leak or spill in excess of the reportable quantity, as established by 40 CFR Part 117.3, will be reported as per the requirements of CERCLA, Section 102 B. If a release involves petroleum hydrocarbons or produced liquids, Anadarko will comply with the notification requirements of NTL-3A. Drill cuttings and/or drilling fluids will be contained in the reserve/frac pit. Cuttings will be buried in pit(s) upon closure.

Pits will be constructed to minimize the accumulation of surface precipitation runoff into the pit (via appropriate placement of subsoil storage areas and/or construction of berms, ditches, etc.). Should unexpected liquid petroleum hydrocarbons (crude oil or condensate) be encountered during drilling, completions or well testing, liquid petroleum hydrocarbons will either be contained in test tanks on the well site or evacuated by vacuum trucks and transported to an approved disposal/sales facility. Should petroleum hydrocarbons unexpectedly be released into a reserve/completion pit, they will be removed as soon as practical but in no case will they remain longer than 72 hours unless an alternate is approved by the BLM. Should timely removal not be feasible, the pit will be netted as soon as practical. Similarly, hydrocarbon removal will take place prior to the closure of the pit, unless authorization is provided for disposal via alternate pit closure methods (e.g. solidification).

The reserve and/or fracture stimulation pit will be lined with an impermeable liner. The liner will be a synthetic material 30 mil or thicker. The bottom and side walls of the pit will be void of any sharp rocks that could puncture the liner. The liner will be installed over smooth fill subgrade that is free of pockets, loose rocks, or other materials (i.e. sand, sifted dirt, bentonite, straw, etc.) that could damage the liner. After evaporation and when dry, the reserve pit liners will be cut off, ripped and/or folded back (as

safety considerations allow) as near to the mud surface as possible and buried on location or hauled to a landfill prior to backfilling the pit with a minimum of five feet of soil material.

Pits containing drilling cuttings, mud, and/or completions fluids will be allowed to dry. Any free fluids remaining after one year from reaching total depth, date of completion, and/or determination of inactivity will be removed (as weather conditions allow) to an approved site and the pit reclaimed. Installation and operation of any sprinklers, pumps, and equipment will ensure that water spray or mist does not drift.

For the protection of livestock and wildlife, all open pits (excluding flare pits) will be fenced to prevent wildlife or livestock entry. Total height of pit fencing will be at least 42 inches and corner posts will be cemented and/or braced in such a manner as to keep the fence tight at all times. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet. Siphons, catchments, and absorbent pads will be installed to keep hydrocarbons produced by the drilling rig or other equipment on location from entering the reserve pit. Hydrocarbons, contaminated pads, and/or soils will be disposed of in accordance with state and federal requirements.

Portable, self-contained chemical toilets and/or sewage processing facilities will be provided for human waste disposal. Upon completion of operations, or as required, the toilet holding tanks will be pumped and the contents disposed of in an approved sewage disposal facility. All applicable regulations pertaining to disposal of human and solid waste will be observed.

F. Materials Management

Hazardous materials above reportable quantities will not be produced by drilling or completing proposed wells or constructing the pipelines/facilities. The term "hazardous materials" as used here means: (1) any substance, pollutant, or containment listed as hazardous under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980, as amended 42 U.S.C. 9601 et seq., and the regulations issued under CERCLA; and (2) any hazardous waste as defined in RCRA of 1976, as amended. In addition, no extremely hazardous substance, as defined in 40 CFR 355, in threshold planning quantities, would be used, produced, stored, transported, or disposed of while producing any well.

Hazardous materials may be contained in some grease or lubricants, solvents, acids, paint, and herbicides, among others as defined above. Anadarko maintains a file, per 29 CFR 1910.1200 (g) containing current Material Safety Data Sheets (MSDS) for all chemicals, compounds, and/or substances that are used during the course of construction, drilling, completion, and production operations for this project. The transport, use, storage and handling of hazardous materials will follow procedures specified by federal and state regulations. Transportation of hazardous materials to the well location is regulated by the Department of Transportation (DOT) under 49 CFR, Parts 171-180. DOT regulations pertain to the packing, container handling, labeling, vehicle placarding, and other safety aspects.

Potentially hazardous materials used in the development or operation of wells will be kept in limited quantities on well sites and at the production facilities for short periods of time. Chemicals meeting the

criteria for being an acutely hazardous material/substance or meet the quantities criteria per BLM Instruction Memorandum No. 93-344 will not be used.

Chemicals subject to reporting under Title III of the Superfund Amendments and Reauthorization Act (SARA) in quantities of 10,000 pounds or more may be produced and/or stored at production facilities (crude oil/condensate, produced water). They may also be kept in limited quantities on drilling sites (barite, diesel fuel, cement, cottonseed hulls, etc.) for short periods of time during drilling or completion activities.

G. Surface Ownership:

Jerry E. and Valerie L. Carhart
P.O. Box 623
Dove Creek, CO 81324
(970) 560-1506

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H. Lessee's or Operators' Representative & Certification:

Gina T. Becker
Senior Regulatory Analyst
Anadarko E&P Onshore, LLC
PO Box 173779
Denver, CO 80217-3779
(720) 929-6086

Tommy Thompson
General Manager, Drilling
Anadarko E&P Onshore, LLC
PO Box 173779
Denver, CO 80217-3779
(720) 929-6724

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Anadarko E&P Onshore, LLC is considered to be the operator of the subject well. Anadarko E&P Onshore, LLC agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage for State lease activities is provided by State Surety Bond 22013542.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operation; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

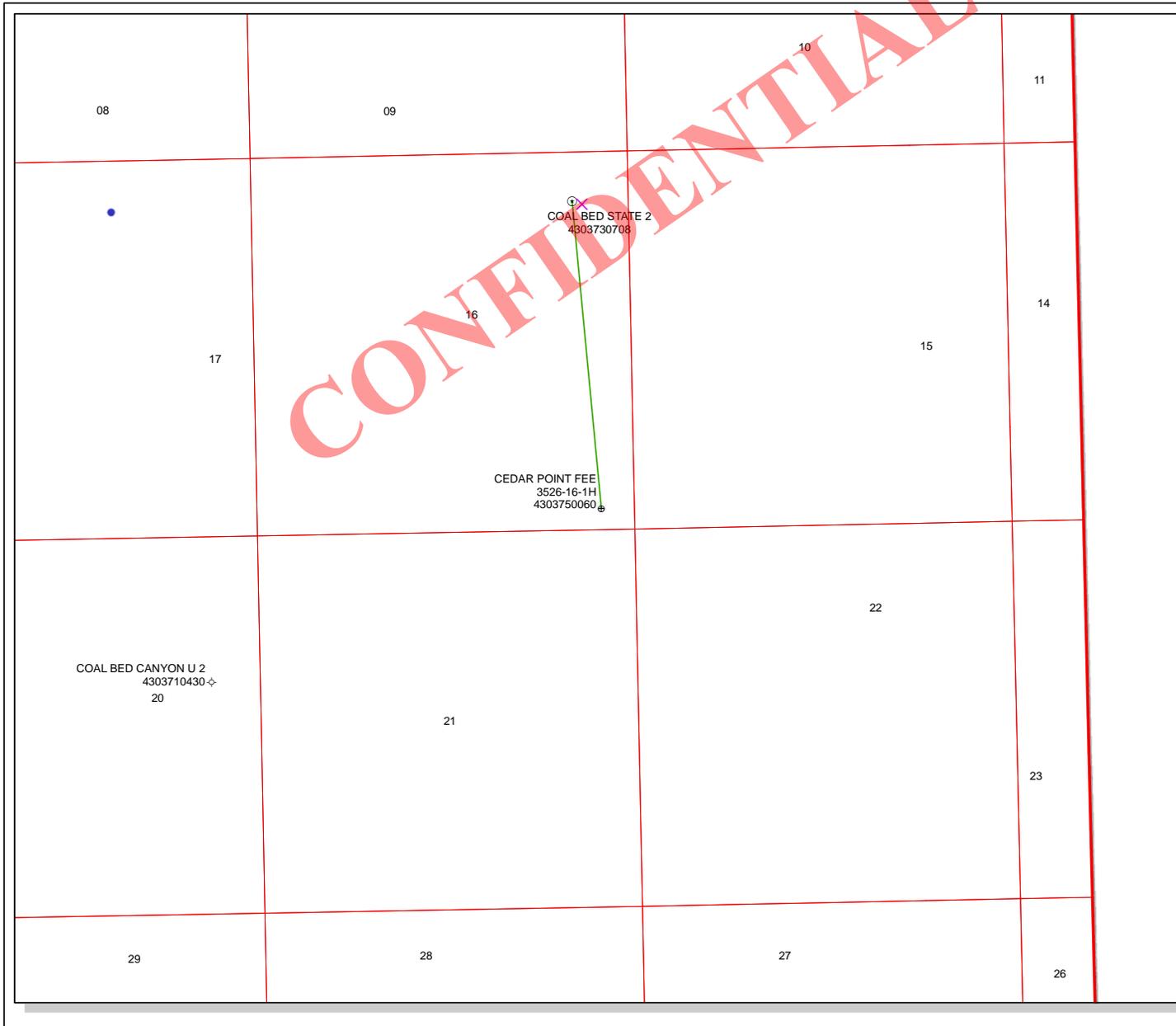
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Gina T. Becker

May 24, 2013

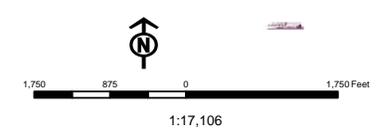
Date



API Number: 4303750060
Well Name: CEDAR POINT FEE 3526-16-1H
Township T35.0S Range R26.0E Section 16
Meridian: SLBM
Operator: ANADARKO E&P ONSHORE, LLC

Map Prepared:
Map Produced by Diana Mason

- Units STATUS**
- ACTIVE
 - EXPLORATORY
 - GAS STORAGE
 - NF PP OIL
 - NF SECONDARY
 - PI OIL
 - PP GAS
 - PP GEOTHERM
 - PP OIL
 - SECONDARY
 - TERMINATED



Well Name	ANADARKO E&P ONSHORE, LLC CEDAR POINT FEE 3526-16-1H 430			
String	SURF	I1	PROD	
Casing Size(")	9.625	7.000	4.500	
Setting Depth (TVD)	2000	5875	5875	
Previous Shoe Setting Depth (TVD)	0	2000	5875	
Max Mud Weight (ppg)	8.4	10.0	10.0	
BOPE Proposed (psi)	0	5000	5000	
Casing Internal Yield (psi)	3520	11220	14420	
Operators Max Anticipated Pressure (psi)	2820		9.2	

Calculations	SURF String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	874		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	634	NO	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	434	NO	
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	434	NO	No expected pressures
Required Casing/BOPE Test Pressure=		2000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient	

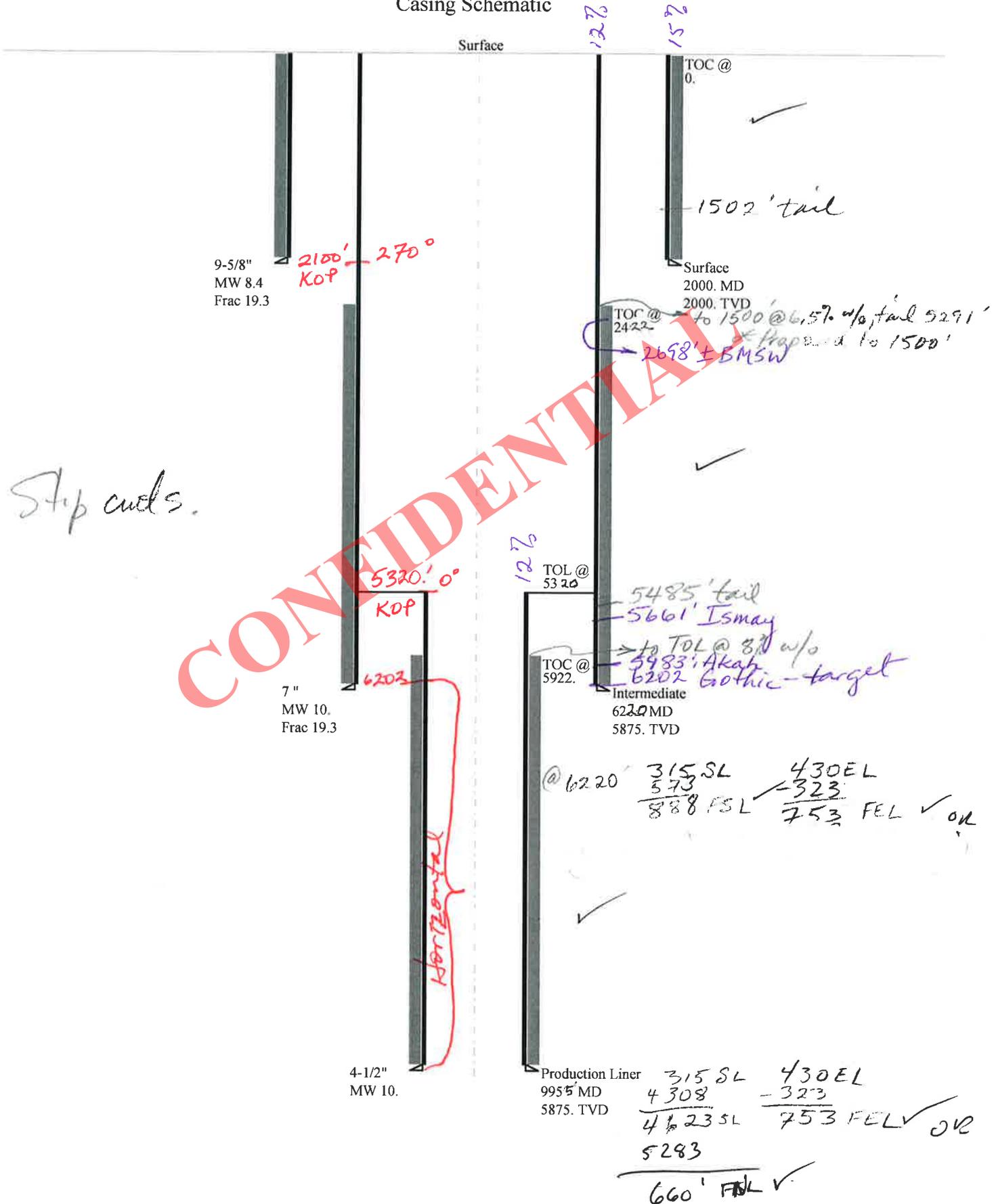
Calculations	I1 String	7.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	3055		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2350	YES	
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1763	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	2203	NO	OK
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		2000	psi *Assumes 1psi/ft frac gradient	

Calculations	PROD String	4.500	"	
Max BHP (psi)	.052*Setting Depth*MW=	3055		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	2350	YES	5M BOP stack, 5M Annular, blind & pipe
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	1763	YES	rams, kill line
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3055	YES	OK
Required Casing/BOPE Test Pressure=		5000	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		5875	psi *Assumes 1psi/ft frac gradient	

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

43037500600000 Cedar Point Fee 3526-16-1H

Casing Schematic



Well name:	43037500600000 Cedar Point Fee 3526-16-1H	
Operator:	ANADARKO E&P ONSHORE, LLC	Project ID:
String type:	Surface	43-037-50060
Location:	SAN JUAN COUNTY	

Design parameters:

Collapse

Mud weight: 8.400 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: 102 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Burst

Max anticipated surface pressure: 1,760 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,000 psi

No backup mud specified.

Burst:

Design factor 1.00

Cement top: Surface

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)

Non-directional string.

Tension is based on air weight.
Neutral point: 1,751 ft

Re subsequent strings:

Next setting depth: 5,875 ft
Next mud weight: 10.000 ppg
Next setting BHP: 3,052 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,000 ft
Injection pressure: 2,000 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	2000	9.625	36.00	J-55	LT&C	2000	2000	8.796	16354
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	873	2020	2.315	2000	3520	1.76	72	453	6.29 J

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

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

Date: June 27, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2000 ft, a mud weight of 8.4 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Well name:	43037500600000 Cedar Point Fee 3526-16-1H	
Operator:	ANADARKO E&P ONSHORE, LLC	
String type:	Intermediate	Project ID: 43-037-50060
Location:	SAN JUAN COUNTY	

Design parameters:

Collapse

Mud weight: 10.000 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 1,760 psi
Internal gradient: 0.220 psi/ft
Calculated BHP: 3,052 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: 5,003 ft

Environment:

H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 156 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 2,422 ft

Directional well information:

Kick-off point: 5320 ft
Departure at shoe: 658 ft
Maximum dogleg: 10 °/100ft
Inclination at shoe: 90 °

Re subsequent strings:

Next setting depth: 5,875 ft
Next mud weight: 10.000 ppg
Next setting BHP: 3,052 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 5,875 ft
Injection pressure: 5,875 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	6220	7	29.00	HCP-110	LT&C	5875	6220	6.059	70240
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	3052	9200	3.014	3052	11220	3.68	170.4	797	4.68 J

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

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

Date: July 2, 2013
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 5875 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Well name:	43037500600000 Cedar Point Fee 3526-16-1H	
Operator:	ANADARKO E&P ONSHORE, LLC	
String type:	Production Liner	Project ID: 43-037-50060
Location:	SAN JUAN COUNTY	

Design parameters:

Collapse

Mud weight: 10.000 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: 156 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Burst

Max anticipated surface pressure: 1,760 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 3,052 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: 5,895 ft

Cement top: 5,927 ft

Liner top: 5,320 ft

Directional well information:

Kick-off point 5320 ft
Departure at shoe: 4320 ft
Maximum dogleg: 10 °/100ft
Inclination at shoe: 90 °

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	4655	4.5	15.10	HCP-110	DQX	5875	9955	3.701	245784
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	3052	15500	5.078	3052	14420	4.72	8.9	484.8	54.18 J

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

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

Date: July 2, 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 5875 ft, a mud weight of 10 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 ANADARKO E&P ONSHORE, LLC
Well Name CEDAR POINT FEE 3526-16-1H
API Number 43037500600000 **APD No** 8091 **Field/Unit** WILDCAT
Location: 1/4,1/4 SESE **Sec** 16 **Tw** 35.0S **Rng** 26.0E 315 **FSL** 430 **FEL**
GPS Coord (UTM) **Surface Owner** Jerry E. & Valerie L. Carhart

Participants

Bart Kettle-Division of Oil Gas and Mining (DOGM), Jeff Carhart-Surface Owner, Gina Becker-Anadarko E&P Onshore LLC, Jacob Dunham-Anadarko E&P Onshore LLC, Jed Lemmons-Anadarko E&P Onshore LLC, Chantill Recker-Anadarko E&P, Andrue Flyod-Timberline

Regional/Local Setting & Topography

The proposed project is located ~5 miles south of Eastland in San Juan County Utah. Locally the proposed project is surrounded by agriculture lands used to grow dry land crops including small grains, sun flower, saflower, beans, alfalfa and dry land pasture on the Great Sage Plain. Regionally the project area is within in the Colorado Plateau in the Four corners area on what is commonly referred to has the Canyon lands Region. Four Corners area is know for it native American ruins and culture. The Canyon lands Region is distinguished by is broad mesas cut by spectacular sandstone canyons. Climates in this region tend to be arid, with a sparsely vegetated landscape prone to erosion. Topography rises sharply to the west reaching elevations in excess of 11,000 atop the Abajo Mountains. Montane forest and high elevation grass/forb communities dominate vegetation. To the east a series of mesas rise to the Rico Mountains in western Colorado. Vegetation is a mixture of salt desert scrub, Pinion/Juniper and montane forest. Precipitation at the project site is considered a 14" zone. Drainage flows into Coalbed Canyon within a 1/2 mile and onto the San Juan River 50 miles away.

Surface Use Plan

Current Surface Use
Agricultural

New Road Miles	Well Pad Width 435 Length 660	Src Const Material	Surface Formation
0.1			DKTA

Ancillary Facilities N

Waste Management Plan Adequate? N

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Flora

Dry land wheat field: Wheat, sunflower, Russian thistle, jointed goat grass, thick spike wheatgrass, prickly lettuce, tumble mustard, Wyoming sage, fringed sage.

Fauna: Rocky mountain elk, mule deer, mountain lion, black bear, coyote, kit fox, gray fox, badger, cotton tail rabbit, black tailed jack rabbit, spotted skunk, and Gunnison prairie dog. Host of small rodents and reptiles possible such as: woodrat spp, kangaroo rat spp., deer mouse, pinion mouse, rock squirrel, and antelope squirrel.. Seasonal use by migrating birds such as sage sparrow, cassin finch, house finch, pinion jay, white crowned sparrow, gray crowned rosy finch, blue gray knat catcher, Bewick's wren, black throated sparrow, black capped chickadee, Brewers sparrow, bushtit, western kingbird, chipping sparrow, common nighthawk, Coppers hawk, sharp shin hawk, red tailed hawk, ruff legged hawk, golden eagle, bald eagle turkey vulture, Downey wood pecker, juniper titmouse, northern shrike, mountain bluebird, mourning dove, pine siskin, sage thrasher, western blue bird, and western meadow lark.

Soil Type and Characteristics

Northdale loam and Monticello very fine sandy loam. Fine textured orange sandy loam soils 80" deep.

Erosion Issues Y

Sandy loam soils prone to wind erosion once disturbed

Sedimentation Issues N

Site Stability Issues N

Site stability appears suitable for the proposed drilling program.

Drainage Diverson Required? N

Berm Required? Y

Berms not required around well pad, but are required around equipment and tanks containing E&P fluids, fuels and lubricants.

Erosion Sedimentation Control Required? Y

Top soil stock pile should be seeded with perennial grass and forb species to stabilize following disturbance.

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

Reserve Pit

Site-Specific Factors	Site Ranking
Distance to Groundwater (feet)	20
Distance to Surface Water (feet) >1000	0
Dist. Nearest Municipal Well (ft) >5280	0
Distance to Other Wells (feet) >1320	0
Native Soil Type High permeability	20
Fluid Type TDS>5000 and	10
Drill Cuttings Normal Rock	0

Annual Precipitation (inches)	10 to 20	5	
Affected Populations			
Presence Nearby Utility Conduits	Not Present	0	
	Final Score	55	Sensitivity Level

Characteristics / Requirements

Reserve pit will not be permitted at this site, a closed loop drilling system is being proposed.

Completions pit will be permitted with a 30 mil liner as proposed.

All E&P materials, including drill cuttings, shall be contained in steel tanks or an approved pit containing a synthetic liner until it can be demonstrated such materials meet DOGM stands for abandonment. E&P materials, such as drilling cuttings, shall conform to the following DOGM standards prior to abandonment: Electrical Conductivity

Closed Loop Mud Required? Y Liner Required? Y Liner Thickness 30 Pit Underlayment Required? Y

Other Observations / Comments

High quality ground water is thought to occur at the Dakota Sandstone in the area.

Multiple permanent resident and recreational houses are located in close proximity to the proposed project area or access route. Potential for conflicts between adjacent surface owners and drilling operations exist.

Bart Kettle
Evaluator

6/18/2013
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
8091	43037500600000	LOCKED	OW	P	No
Operator	ANADARKO E&P ONSHORE, LLC		Surface Owner-APD	Jerry E. & Valerie L. Carhart	
Well Name	CEDAR POINT FEE 3526-16-1H		Unit		
Field	WILDCAT		Type of Work	DRILL	
Location	SESE 16 35S 26E S 315 FSL (UTM) 670496E 4177459N		430 FEL	GPS Coord	

Geologic Statement of Basis

Anadarko E&P Onshore, LLC proposes to drill the well to a total depth of 5,718' and plans to set surface casing from 0'-2,000'. The surface string will be drilled using a water based mud. Within a one-mile radius there are 19 underground water rights; the water wells range from 37' to 343' deep, with water as shallow as 30' below the ground surface. The base of the moderately saline groundwater is approximately 2,698' below the ground surface, based on DNR Technical Publication #94. Several units of the Morrison Formation, Entrada Sandstone, and Navajo Sandstone are present within the subsurface; these strata are likely to contain useable groundwater and are within the interval to be protected by the surface casing string. The operator should be aware of the likelihood of these and other units being water saturated and to respond to protecting these zones by extending the surface casing as necessary. Proposed surface casing and cement should adequately isolate any shallow zones containing water.

Ammon McDonald
APD Evaluator

7/1/2013
Date / Time

Surface Statement of Basis

Surface evaluation completed on June 18, 2013. In attendance: Bart Kettle-Division of Oil Gas and Mining (DOGM), Jeff Carhart-Surface Owner, Gina Becker-Anadarko E&P Onshore LLC, Jacob Dunham-Anadarko E&P Onshore LLC, Jed Lemmons-Anadarko E&P Onshore LLC, Chantill Recker-Anadarko E&P, Andrue Flyod-Timberline

As proposed well will be drilled using a closed loop mud circulating system, no reserve pit is being requested for proposed project. Drilling medium will be contained in steel mud tanks, drill cuttings will be separated from drilling medium and captured in a steel trough or tank. All E&P materials, including drill cuttings, shall be contained in steel tanks or an approved pit containing a synthetic liner until it can be demonstrated such materials meet DOGM stands for abandonment. E&P materials, such as drilling cuttings, shall conform to the following DOGM standards prior to abandonment: Electrical Conductivity
Access road should be maintained as a surfaced raised bed road with a 2% slope to facilitate storm water drainage from running surface. Rolling dips shall be constructed as needed to divert storm water from running surface. Access road shall have a panel gate installed at fence line intersection.

Top 24" of suitable soils shall be salvaged for interim reclamation. Top soil and rock should be kept separate in construction of pipelines per surface owner request. Soils containing

rock fragments should not be salvaged.

Bart Kettle
Onsite Evaluator

6/18/2013
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A closed loop mud circulation system is required for this location.
Pits	The Division shall be consulted prior to reclamation of pits or disposal of E&P wastes.
Pits	All E&P materials, including drill cuttings, shall be contained in steel tanks or an approved pit.
Surface	Top 24" of suitable soil shall be salvaged.
Surface	Interim reclamation shall be completed within 12 months following well pad construction.
Surface	Fresh water shall be applied to access road and well pad to control dust.
Surface	Tanks containing fuel, chemicals or produced fluids shall be bermed and placed on a 30 mil string reinforced geomembrane.

CONFIDENTIAL

WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 5/24/2013

API NO. ASSIGNED: 43037500600000

WELL NAME: CEDAR POINT FEE 3526-16-1H

OPERATOR: ANADARKO E&P ONSHORE, LLC (N3940)

PHONE NUMBER: 720 929-6086

CONTACT: Gina Becker

PROPOSED LOCATION: SESE 16 350S 260E

Permit Tech Review:

SURFACE: 0315 FSL 0430 FEL

Engineering Review:

BOTTOM: 0660 FNL 0760 FEL

Geology Review:

COUNTY: SAN JUAN

LATITUDE: 37.72855

LONGITUDE: -109.06527

UTM SURF EASTINGS: 670496.00

NORTHINGS: 4177459.00

FIELD NAME: WILDCAT

LEASE TYPE: 3 - State

LEASE NUMBER: ML-52114

PROPOSED PRODUCING FORMATION(S): GOTHIC

SURFACE OWNER: 4 - Fee

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- PLAT
- Bond: STATE - 22013542
- Potash
- Oil Shale 190-5
- Oil Shale 190-3
- Oil Shale 190-13
- Water Permit: Municipal
- RDCC Review: 2013-07-11 00:00:00.0
- Fee Surface Agreement
- Intent to Commingle

Commingling Approved

LOCATION AND SITING:

- R649-2-3.
- Unit:
- R649-3-2. General
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: R649-3-2.6
- Effective Date:
- Siting:
- R649-3-11. Directional Drill

Comments: Presite Completed
TEMP 640 ACRE SPACING:

Stipulations: 5 - Statement of Basis - bhill
12 - Cement Volume (3) - hmacdonald
21 - RDCC - dmason
23 - Spacing - dmason
25 - Surface Casing - hmacdonald
26 - Temporary Spacing - bhill
27 - Other - bhill



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: CEDAR POINT FEE 3526-16-1H
API Well Number: 43037500600000
Lease Number: ML-52114
Surface Owner: FEE (PRIVATE)
Approval Date: 7/15/2013

Issued to:

ANADARKO E&P ONSHORE, LLC, P.O. Box 173779, Denver, CO 80217

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-2.6. The expected producing formation or pool is the GOTHIC 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:

The Application for Permit to Drill has been forwarded to the Resource Development Coordinating Committee for review of this action. The operator will be required to comply with any applicable recommendations resulting from this review. (See attached)

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

A temporary 640 acre spacing unit is hereby established in Section 16, Township 35 S, Range 26 E, SLM for the drilling of this well (R649-3-2.6). No other horizontal wells may be drilled in this section unless approved by the Board of Oil, Gas and Mining.

Cement volume for the 7" intermediate and 4 1/2" production strings shall be determined from actual hole diameter in order to place cement from the pipe setting depths back to 1500' MD and TOL, respectively, as indicated in the submitted drilling plan.

Surface casing shall be cemented to the surface.

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.

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 "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-52114
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: CEDAR POINT FEE 3526-16-1H	
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC	9. API NUMBER: 43037500600000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217	PHONE NUMBER: 720 929-6300 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0315 FSL 0430 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 16 Township: 35.0S Range: 26.0E Meridian: S	COUNTY: SAN JUAN	
	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 Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 8/15/2013 <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <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 type="checkbox"/> APD EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER: <input style="width: 100px; height: 15px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Spud well 08/15/2013 @ 17:00. Drill 30" conductor hole to 40', run 20" X .250WALL A53B conductor pipe, cement with 108 sacks ready mix. Anticipated surface spud date and surface casing cement 09/19/2013.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 21, 2013		
NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 8/21/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-52114
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC		8. WELL NAME and NUMBER: CEDAR POINT FEE 3526-16-1H
3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217		9. API NUMBER: 43037500600000
PHONE NUMBER: 720 929-6300 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0315 FSL 0430 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 16 Township: 35.0S Range: 26.0E Meridian: S		COUNTY: SAN JUAN
		STATE: UTAH

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

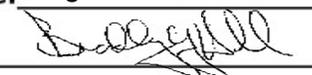
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/22/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<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 type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Add Water Source"/>

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

The Operator wishes to add additional water sources to our approved APD package. This is a Confidential well. 1. Pond- Located in the SENE, Section 25, Township 34S - Range 25E in Utah (37.796126, -109.119856) / 2. Irrigation Well- Located in the SENW, Section 6, Township 42N - Range 19W in Colorado (37.934544, -109.006297) / 3. Blanding Hydrant- Located in the SWSW, Section 23m Township 36S - Range 22E in Utah (37.637213, -109.475634)

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: August 21, 2013

By: 

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 7/18/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-52114
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC		8. WELL NAME and NUMBER: CEDAR POINT FEE 3526-16-1H
3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217		9. API NUMBER: 43037500600000
PHONE NUMBER: 720 929-6300 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
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		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: 9/18/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input checked="" 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 type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

Anadarko E&P Onshore, LLC respectfully requests authorization to drill the above captioned well with a 12.25" hole size for the surface string. The adjusted cement sacks will be 800sks. All other aspects of this APD shall remain the same.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: September 16, 2013

By: 

NAME (PLEASE PRINT) Laura Abrams	PHONE NUMBER 720 929-6356	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 9/16/2013	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC		8. WELL NAME and NUMBER: CEDAR POINT FEE 3526-16-1H
3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217		9. API NUMBER: 43037500600000
PHONE NUMBER: 720 929-6300 Ext		9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0315 FSL 0430 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 16 Township: 35.0S Range: 26.0E Meridian: S		COUNTY: SAN JUAN
		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: 10/10/2013	<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 type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Sidetrack"/>

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

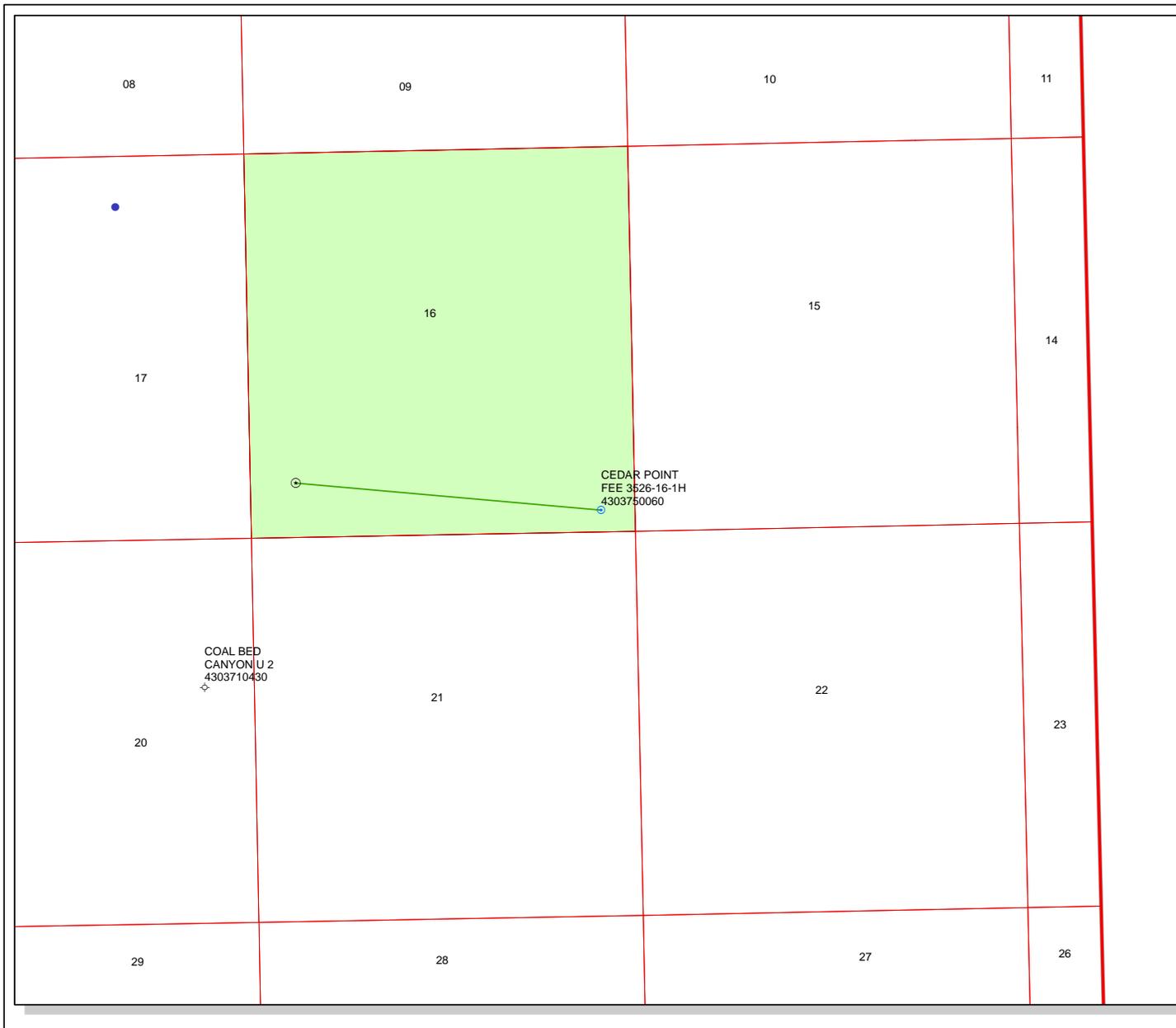
This sundry notice and associated APD are confidential status. The pilot hole of this well has a TD of 6,237 ft. There is a whip stock set at 5,347 ft and we drilled to 5,446 ft attempting to kick off the whip stock and drill the originally permitted sidetrack but we are unable to drill any further for unknown reasons. The operator received verbal approval on 10/9/13 at 9:00 am to pump 500 ft of cement and plug back to 4850 ft. Please see the attached plat, directional survey, wellbore schematic, and sidetrack procedure for review. Anadarko E&P Onshore, LLC certifies that it is the owner of State lease ML-52114, which covers all of Section 16-T35-26E.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: October 11, 2013

By: *Derek Duff*

NAME (PLEASE PRINT) Cara Mahler	PHONE NUMBER 720 929-6029	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 10/10/2013	



API Number: 4303750060

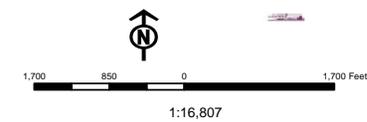
Well Name: CEDAR POINT FEE 3526-16-1H

Township: T35.0S Range: R26.0E Section: 16 Meridian: S

Operator: ANADARKO E&P ONSHORE, LLC

Map Prepared: 10/11/2013
Map Produced by Diana Mason

Wells Query Status	Units STATUS
◆ APD - Aproved Permit	▨ ACTIVE
⊙ DRL - Spuded (Drilling Commenced)	▨ EXPLORATORY
⚡ GW - Gas Injection	▨ GAS STORAGE
⚡ GS - Gas Storage	▨ NF PP OIL
⊕ LOC - New Location	▨ NF SECONDARY
⊖ OPS - Operation Suspended	▨ PI OIL
⊘ PA - Plugged Abandoned	▨ PP GAS
⊙ PGW - Producing Gas Well	▨ PP GEOTHERML
● POW - Producing Oil Well	▨ PP OIL
⚡ SGW - Shut-in Gas Well	▨ SECONDARY
● SOW - Shut-in Oil Well	▨ TERMINATED
⊘ TA - Temp. Abandoned	
○ TW - Test Well	
⚡ WDW - Water Disposal	
⚡ WW - Water Injection Well	
● WSW - Water Supply Well	

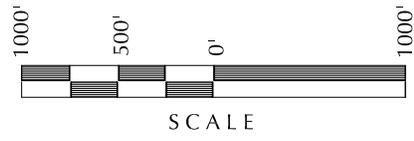
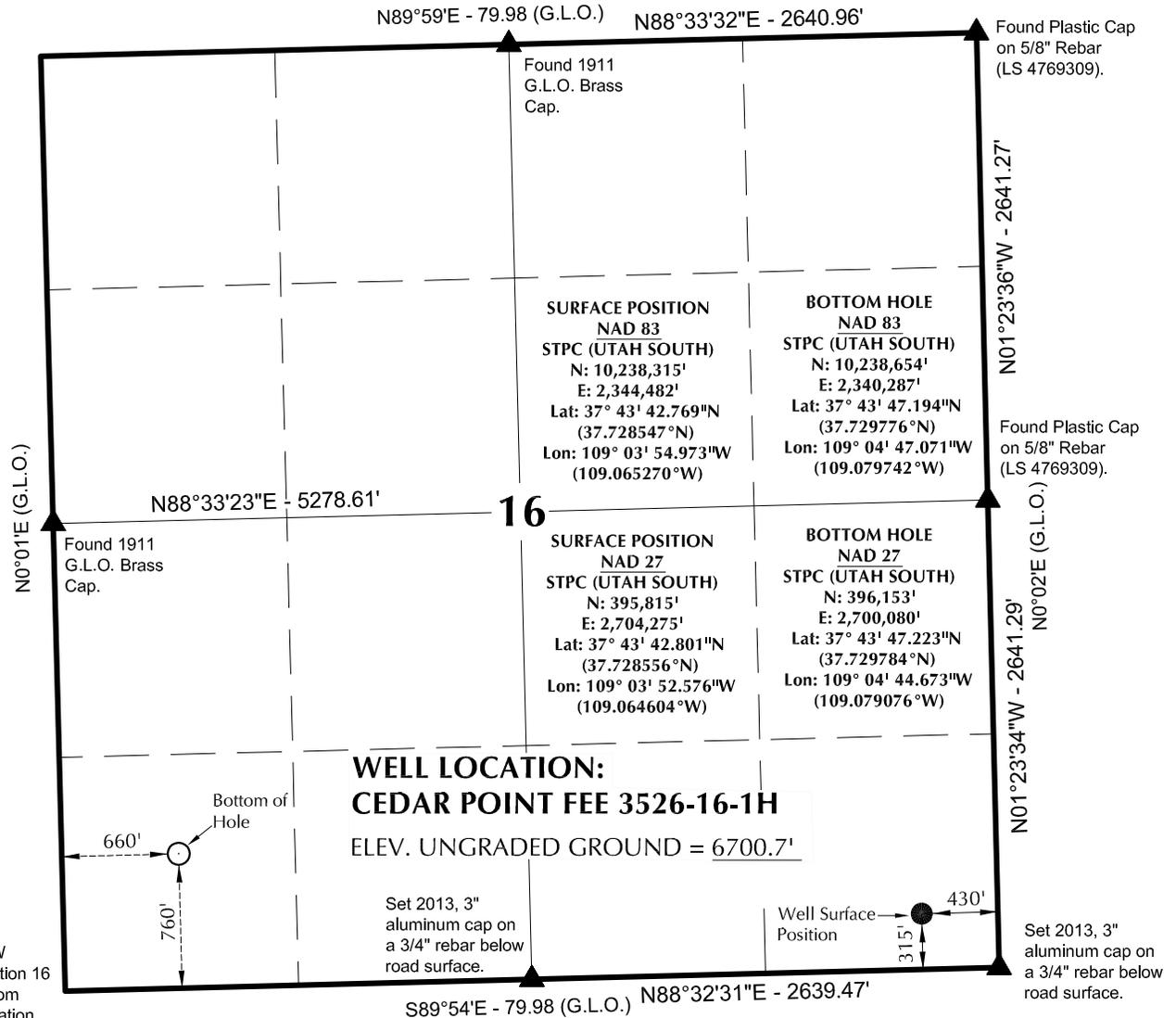


CEDAR POINT FEE 3526-16-1H

Side Track & Curve General Procedure:

- Trip in hole with 500' of 2-7/8" tubing & drill pipe to 5350'
- Pump 245sx of 17.5ppg cement, equivalent to 500' plug (top of plug at 4850')
- Pull out of hole, wait 24hrs on cement, expected compressive strength is 3000+psi
- Trip in hole with 8-3/4" tri-cone bit & assembly
- Dress top of cement plug to competent cement, approximately 4950'
- Time drill 90' to kick off cement plug and begin sidetrack
- Trip out of hole with side track assembly
- Trip in hole with curve build assembly
- Drill hold section at 14degrees to 5443'
- Build curve to landing point, 6409', at 90degrees
- Wiper trip to clean up curve section
- Run 7" intermediate casing to landing point

T35S, R26E, S.L.B.&M.



SURVEYOR'S CERTIFICATE

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

No. 6028691
10-9-2013
JOHN R. LAUGH
PROFESSIONAL LAND SURVEYOR
REGISTRATION No. 6028691
STATE OF UTAH

Anadarko E&P Onshore, LLC
1099 18th Street - Denver, Colorado 80202

WELL PAD - CEDAR POINT FEE 3526-16P

CEDAR POINT FEE 3526-16-1H
WELL PLAT
760' FSL, 660' FWL (Bottom Hole)
SW 1/4 SW 1/4 OF SECTION 16, T35S, R26E, S.L.B.&M., SAN JUAN COUNTY, UTAH.

609

CONSULTING, LLC
2155 North Main Street
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 4-16-13	SURVEYED BY: A.F.	SHEET NO: 1 1 OF 10
DATE DRAWN: 4-25-13	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'		Date Last Revised: 10-9-13 M.W.W.

ANADARKO E&P ONSHORE, LLC**CEDAR POINT FEE 3526-16-1H**

Surface: 315 FSL / 430 FEL SESE
BHL: 760 FSL / 660 FWL SWSW

Section 16 T35S R26E

San Juan County, Utah
Mineral Lease: ML-52114

ONSHORE ORDER NO. 1**DRILLING PROGRAM**

1. & 2. **Estimated Tops of Important Geologic Markers:**
Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

Formation	TVD	
Dakota	Surface	
Morrison	120	Water
Entrada	1065	
Navajo	1142	Water
Chinle	1984	
Honaker Trail	4408	Gas & Water
Ismay	5638	Oil/Gas
Gothic	5875	Oil/Gas
TVD =	5970	
TD =	9759	

Please refer to the attached Drilling Program and Geological Information for the Pilot Hole information

3. **Pressure Control Equipment** (Schematic Attached)

The BOP is detailed on the the following tab. This BOP will be connected to a 5M choke panel with 2 chokes, one being remotley actuable. We will have a diverter on our surface holes. The BOPE will be NU after we set the surface string. All flows will be treated as a gas flow. We will shut-in, record pressures, set up a kill schedule & perform a weight-and-wait method to kill the well. After we have pumped the KWM around we will shut back in, record pressures, once pressures are zero, we will clear the floor, open the BOP and do a flow check.

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Drilling Program and Geological Information

5. **Drilling Fluids Program:**

Please refer to the attached Drilling Program and Geological Information

6. **Evaluation Program:**

10/10/2013

RECEIVED: Oct. 10, 2013

7. **Abnormal Conditions:**

Please refer to the attached Drilling Program and Geological Information

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variations:**

None

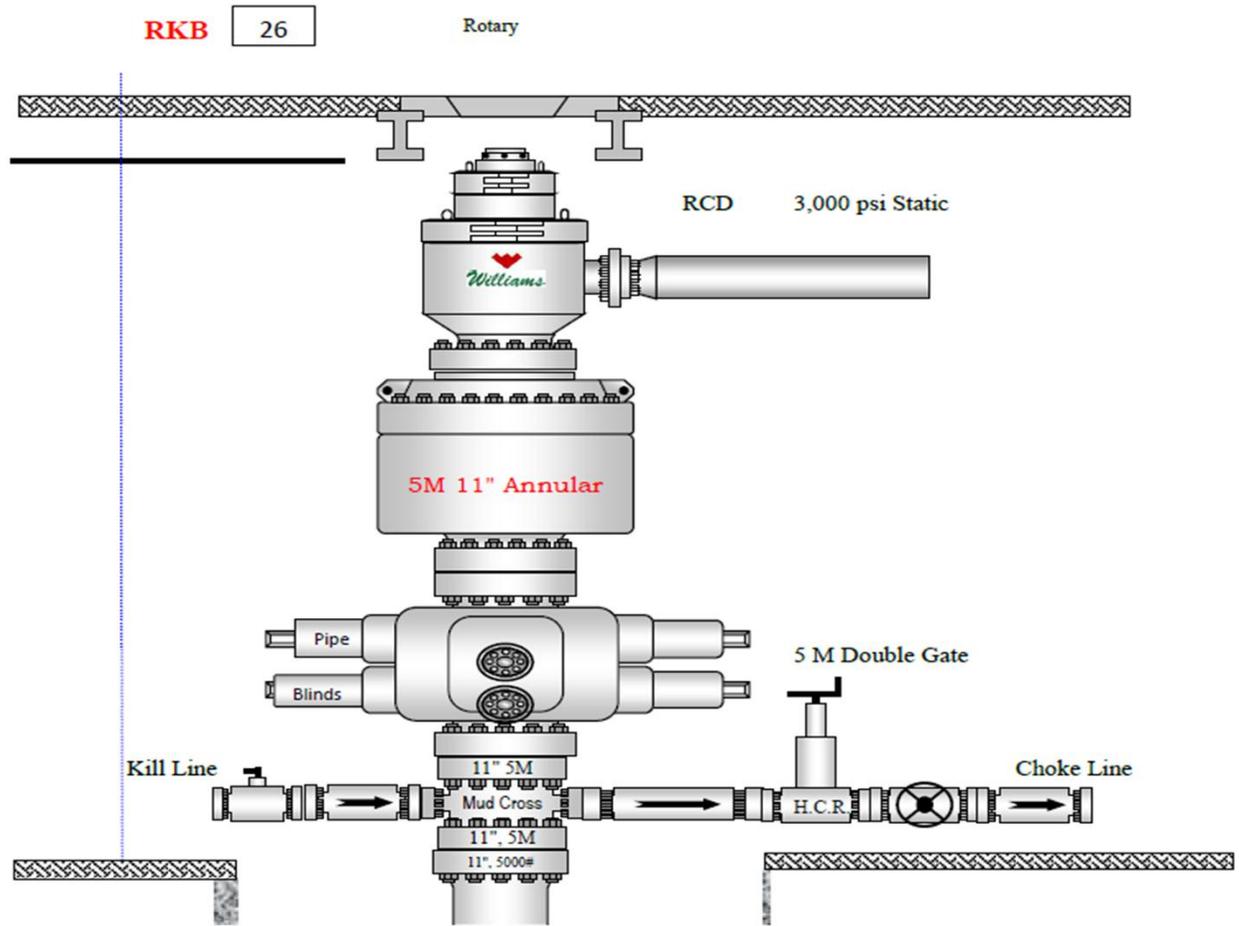
10. **Other Information:**

Please refer to the attached Drilling Program and Geological Information

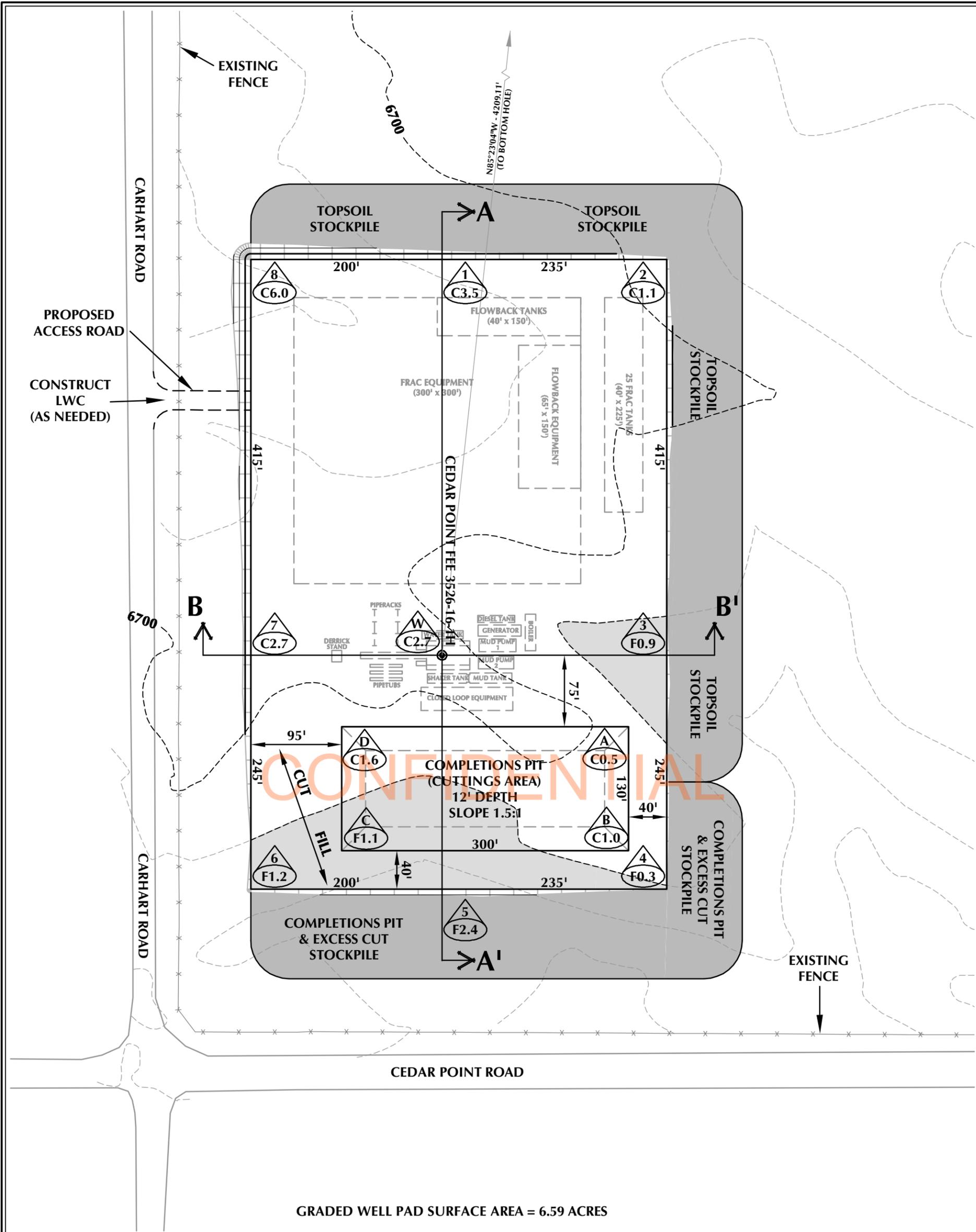
Anadarko will use a Co-Flex hose line, a flexible pipe, instead of a hard steel pipe for the kill line. This will run from the BOP to the choke manifold, and will reduce the amount of time required to rig up for the re-entry work on the well.

Please see attached Drilling Program for specifications on the Co-Flex hose.

EXHIBIT A
CEDAR POINT FEE 3526-16-1H



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK



GRADED WELL PAD SURFACE AREA = 6.59 ACRES

WELL PAD - CEDAR POINT FEE 3526-16P DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 6700.7'
 FINISHED GRADE ELEVATION = 6698.0'
 CUT SLOPES = 3:1
 FILL SLOPES = 3:1
 TOTAL WELL PAD AREA = 6.95 ACRES
 TOTAL DISTURBANCE AREA = 9.94 ACRES
 SHRINKAGE FACTOR = 1.10
 SWELL FACTOR = 1.00

WELL PAD QUANTITIES

TOTAL CUT FOR WELL PAD = 6,428 C.Y.
 TOTAL FILL FOR WELL PAD = 4,502 C.Y.
 TOPSOIL @ 24" DEPTH = 22,436 C.Y.
 EXCESS MATERIAL = 1,926 C.Y.

COMPLETIONS PIT QUANTITIES

TOTAL CUT FOR COMPLETIONS PIT +/- 14,090 C.Y.
 COMPLETIONS PIT CAPACITY (2' OF FREEBOARD) +/- 54,310 BARRELS

Anadarko E&P Onshore LLC
 1099 18th Street - Denver, Colorado 80202

WELL PAD - CEDAR POINT FEE 3526-16P

WELL PAD - LOCATION LAYOUT
 CEDAR POINT FEE 3526-16-1H
 LOCATED IN SECTION 16, T35S, R26E,
 S.L.B.&M., SAN JUAN COUNTY, UTAH



CONSULTING, LLC
 2155 North Main Street
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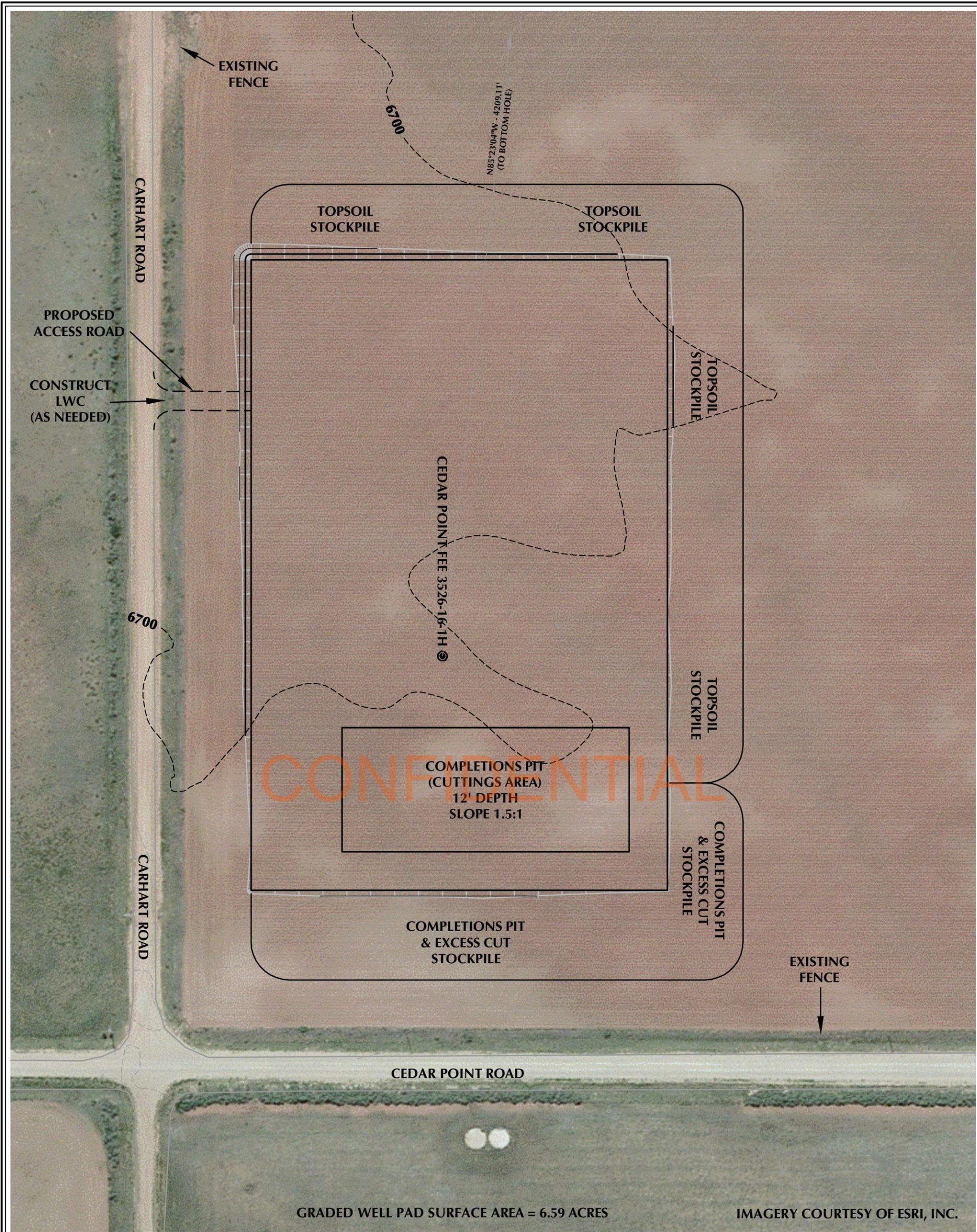
(435) 789-1365

- WELL PAD LEGEND**
- EXISTING WELL LOCATION
 - PROPOSED WELL LOCATION
 - PROPOSED BOTTOM HOLE LOCATION
 - EXISTING CONTOURS (2' INTERVAL)
 - PROPOSED CONTOURS (2' INTERVAL)
 - PPL - PROPOSED PIPELINE
 - EPL - EXISTING PIPELINE



HORIZONTAL 0 50' 100' 1" = 100'
 2' CONTOURS

SCALE: 1"=100' DATE: 4/26/13 SHEET NO:
 REVISED: JID 10/9/13 2 2 OF 10



GRADED WELL PAD SURFACE AREA = 6.59 ACRES

IMAGERY COURTESY OF ESRI, INC.

WELL PAD - CEDAR POINT FEE 3526-16P DESIGN SUMMARY

EXISTING GRADE @ CENTER OF WELL PAD = 6700.7'
 FINISHED GRADE ELEVATION = 6698.0'
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COMPLETIONS PIT QUANTITIES

TOTAL CUT FOR COMPLETIONS PIT +/- 14,090 C.Y.
 COMPLETIONS PIT CAPACITY (2' OF FREEBOARD) +/- 54,310 BARRELS

Anadarko E&P Onshore LLC
 1099 18th Street - Denver, Colorado 80202

WELL PAD - CEDAR POINT FEE 3526-16P

WELL PAD - LOCATION LAYOUT
 CEDAR POINT FEE 3526-16-1H
 LOCATED IN SECTION 16, T35S, R26E,
 S.L.B.&M., SAN JUAN COUNTY, UTAH



CONSULTING, LLC
 2155 North Main Street
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 Fax 307-674-0182

TIMBERLINE
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 209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365

WELL PAD LEGEND

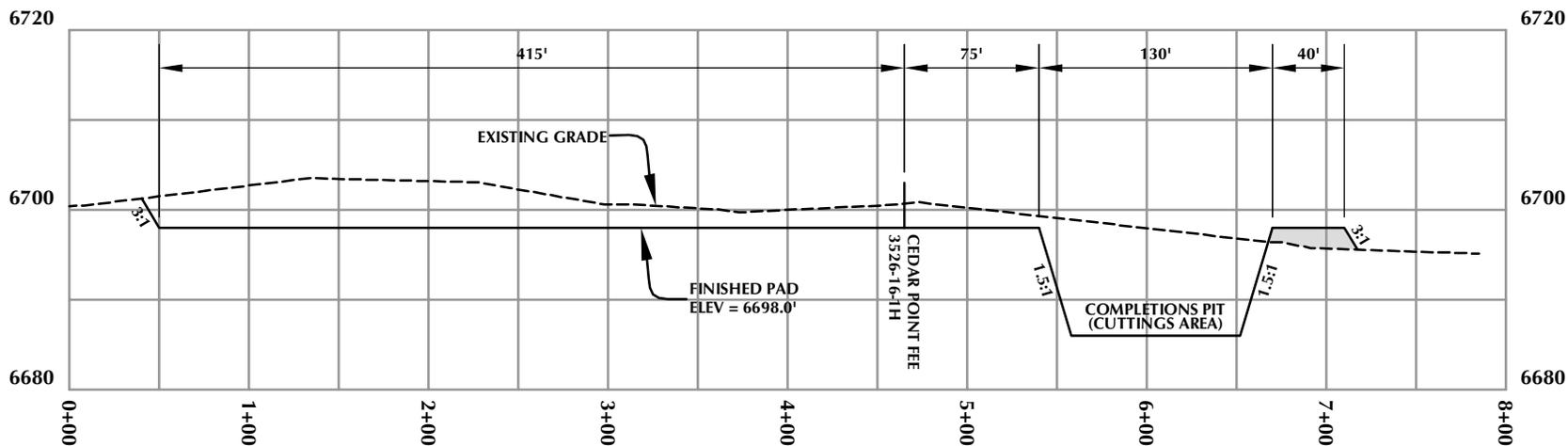
- EXISTING WELL LOCATION
- PROPOSED WELL LOCATION
- PROPOSED BOTTOM HOLE LOCATION
- EXISTING CONTOURS (2' INTERVAL)
- PROPOSED CONTOURS (2' INTERVAL)
- PPL - PROPOSED PIPELINE
- EPL - EXISTING PIPELINE



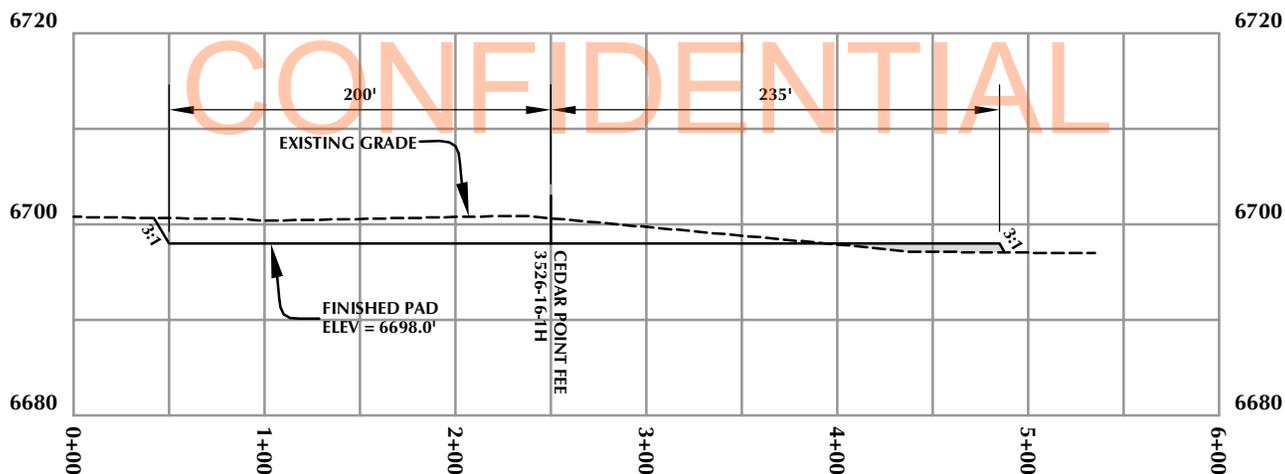
HORIZONTAL 0 50' 100' 1" = 100'
 2' CONTOURS

SCALE: 1"=100'	DATE: 4/26/13	SHEET NO:
REVISED:	JJD 10/9/13	3 3 OF 10

K:\ANADARKO\2013\13_30_PABADOCK_NAPA_WELLS\DWG\CEDAR POINT FEE 3526-16-1H.dwg, 10/9/2013 2:08:01 PM, Jacob



CROSS SECTION A-A'



CROSS SECTION B-B'

Anadarko E&P Onshore LLC
1099 18th Street - Denver, Colorado 80202

WELL PAD - CEDAR POINT FEE 3526-16P

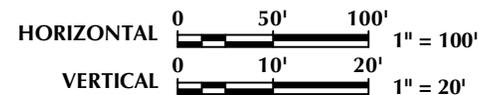
**WELL PAD - CROSS SECTIONS
CEDAR POINT FEE 3526-16-1H
LOCATED IN SECTION 16, T35S, R26E,
S.L.B.&M., SAN JUAN COUNTY, UTAH**



CONSULTING, LLC
2155 North Main Street
Sheridan, WY 82801
Phone 307-674-0609
Fax 307-674-0182

TIMBERLINE
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

(435) 789-1365



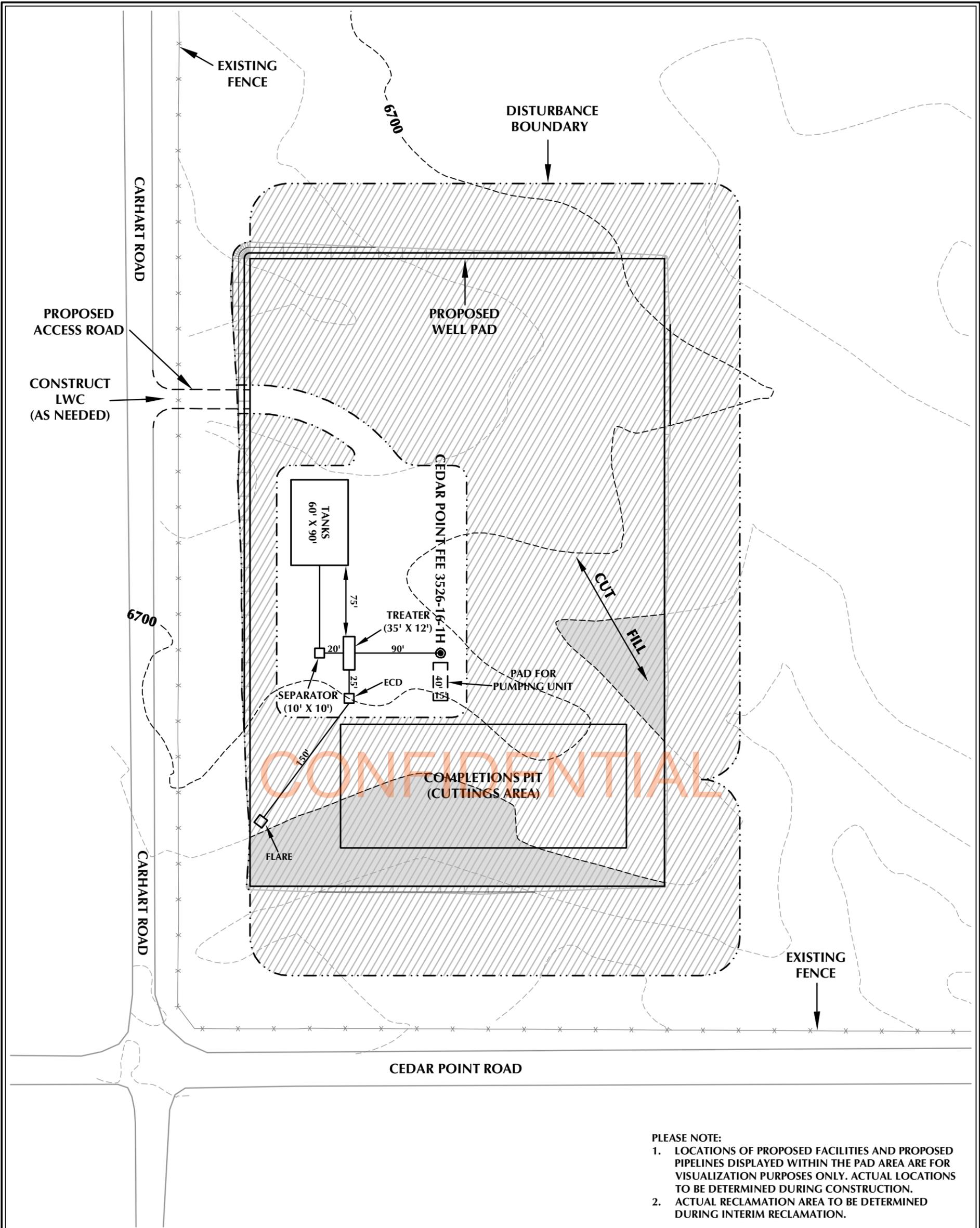
SCALE: 1"=100'

DATE: 4/26/13

SHEET NO:

4

4 OF 10



PLEASE NOTE:

1. LOCATIONS OF PROPOSED FACILITIES AND PROPOSED PIPELINES DISPLAYED WITHIN THE PAD AREA ARE FOR VISUALIZATION PURPOSES ONLY. ACTUAL LOCATIONS TO BE DETERMINED DURING CONSTRUCTION.
2. ACTUAL RECLAMATION AREA TO BE DETERMINED DURING INTERIM RECLAMATION.

WELL PAD - CEDAR POINT FEE 3526-16P RECLAMATION DESIGN SUMMARY

TOTAL DISTURBANCE AREA = 9.94 ACRES
 RECLAMATION AREA = 8.60 ACRES
 TOTAL WELL PAD AREA AFTER RECLAMATION = 1.34 ACRES

Anadarko E&P Onshore LLC
 1099 18th Street - Denver, Colorado 80202

WELL PAD - CEDAR POINT FEE 3526-16P

WELL PAD - RECLAMATION LAYOUT
 CEDAR POINT FEE 3526-16-1H
 LOCATED IN SECTION 16, T35S, R26E,
 S.L.B.&M., SAN JUAN COUNTY, UTAH

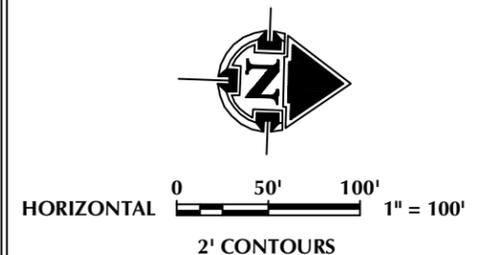


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(435) 789-1365

WELL PAD LEGEND	
	EXISTING WELL LOCATION
	PROPOSED WELL LOCATION
	EXISTING CONTOURS (2' INTERVAL)
	PROPOSED CONTOURS (2' INTERVAL)
	PROPOSED PIPELINE
	EXISTING PIPELINE
	RECLAMATION AREA



SCALE: 1"=100'	DATE: 4/26/13	SHEET NO:
REVISED:	JID 5/9/13	5 5 OF 10

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PROPOSED CEDAR POINT FEE 3526-16-1H

PHOTO VIEW: FROM LOCATION STAKE TO CORNER #1

CAMERA ANGLE: WESTERLY



Beginning of Road

PHOTO VIEW: FROM BEGINNING OF PROPOSED ROAD

CAMERA ANGLE: NORTHERLY

Anadarko E&P Onshore, LLC
1099 18th Street - Denver, Colorado 80202

WELL PAD - CEDAR POINT FEE 3526-16P

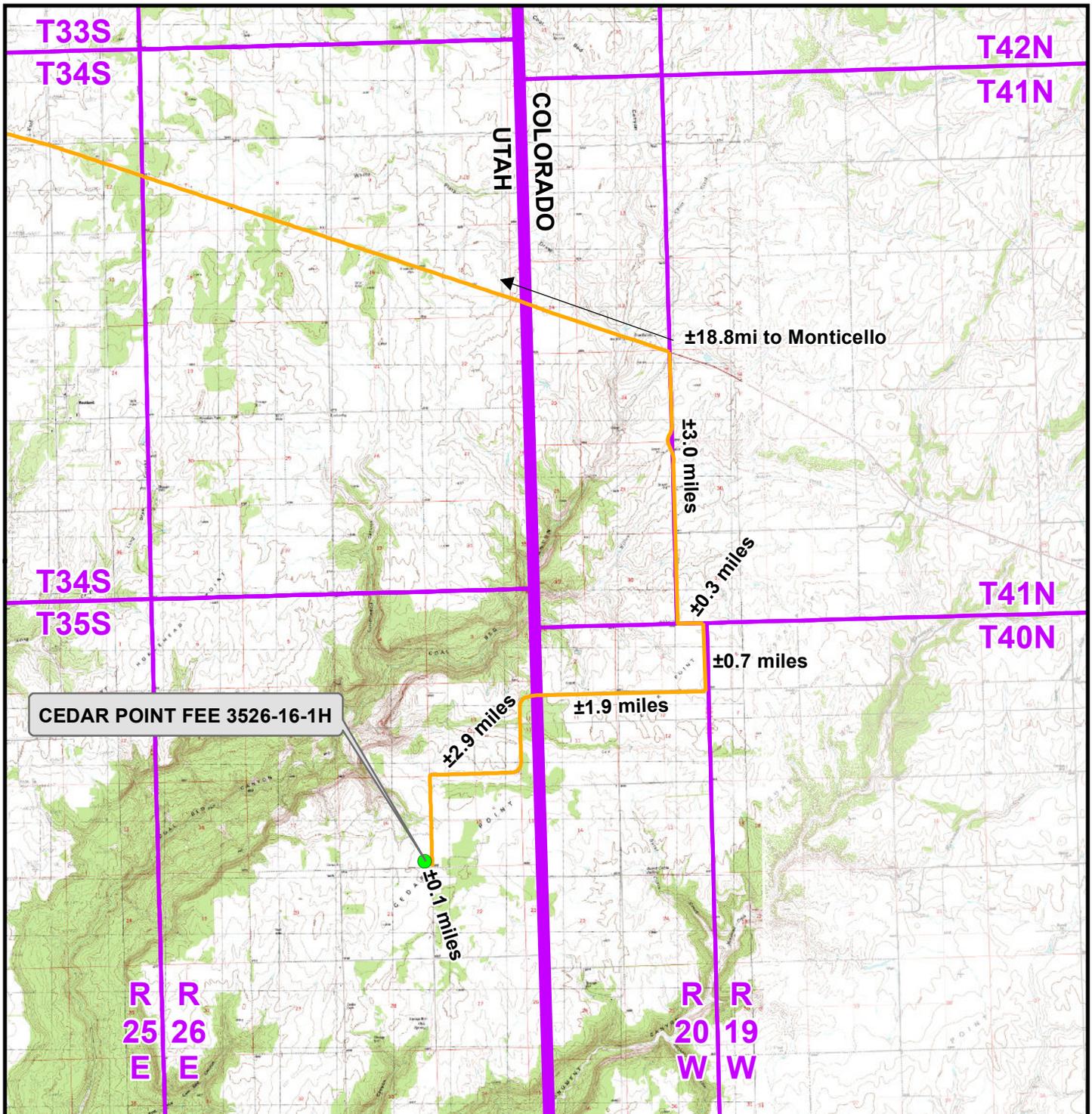
LOCATION PHOTOS
CEDAR POINT FEE 3526-16-1H
LOCATED IN SECTION 16, T35S, R26E,
S.L.B.&M., SAN JUAN COUNTY, UTAH.



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TIMBERLINE (435) 789-1365
ENGINEERING & LAND SURVEYING, INC.
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE PHOTOS TAKEN: 4-16-13	PHOTOS TAKEN BY: A.F.	SHEET NO: 6 6 OF 10
DATE DRAWN: 4-25-13	DRAWN BY: M.W.W.	
Date Last Revised:		



Legend

- Proposed Well Location
- Access Route - Proposed

WELL PAD - CEDAR POINT FEE 3526-16P

TOPO A
CEDAR POINT FEE 3526-16-1H
LOCATED IN SECTION 16, T35S, R26E,
S.L.B.&M., SAN JUAN COUNTY, UTAH

Anadarko E&P
Onshore LLC
1099 18th Street
Denver, Colorado 80202



CONSULTING, LLC
2155 North Main Street
Sheridan, Wyoming 82801
Phone 307-674-0609
Fax 307-674-0182



SCALE: 1:100,000

NAD83 USP South

SHEET NO:

DRAWN: TL

DATE: 26 Apr 2013

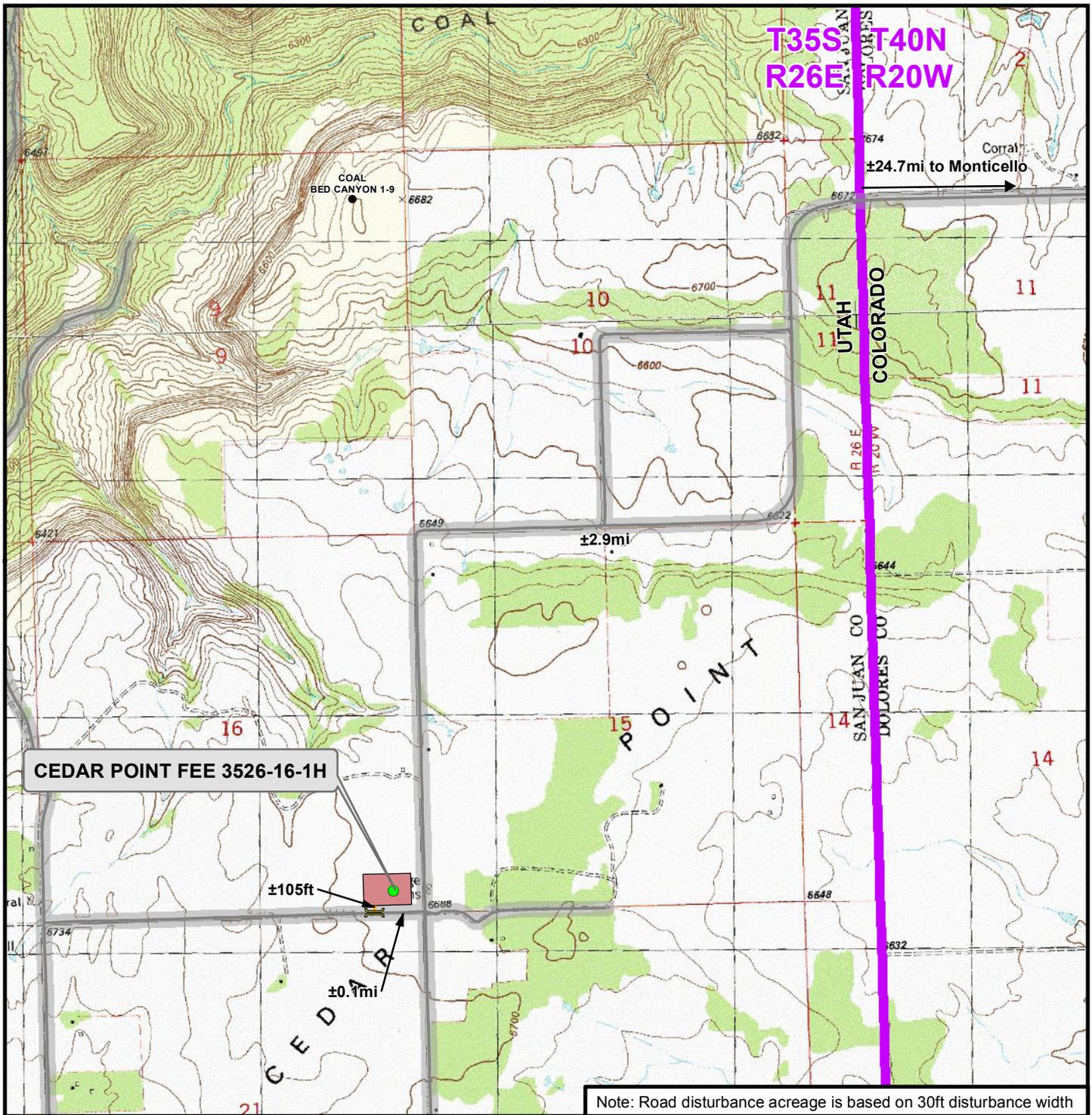
7

REVISED: TL

DATE: 9 May 2013

7 OF 10

K:\ANADARKO\2013\2013_30_PARADOX_NAPA_WELLS\GIS\Maps_ABC\CEDAR POINT FEE 3526-16-1H_A.mxd\5/10/2013 9:47:29 AM



K:\ANADARKO\2013\2013_30_PARADOX_NAPA_WELLS\GIS\Maps_ABC\CEDAR POINT FEE 3526-16-1H\CEDAR POINT FEE 3526-16-1H_B.mxd 5/9/2013 5:13:26 PM

CEDAR POINT FEE 3526-16-1H

Legend

- Well - Proposed
- Well - Existing
- Well Pad
- Road - Proposed
- Road - Existing
- ▬ County Road
- ⚡ Culvert/LWC - Proposed
- Bureau of Land Management
- Indian Reservation
- State
- Private

Total Proposed Road Length: ±105ft
 Total Proposed Road Disturbance: ±0.072acres

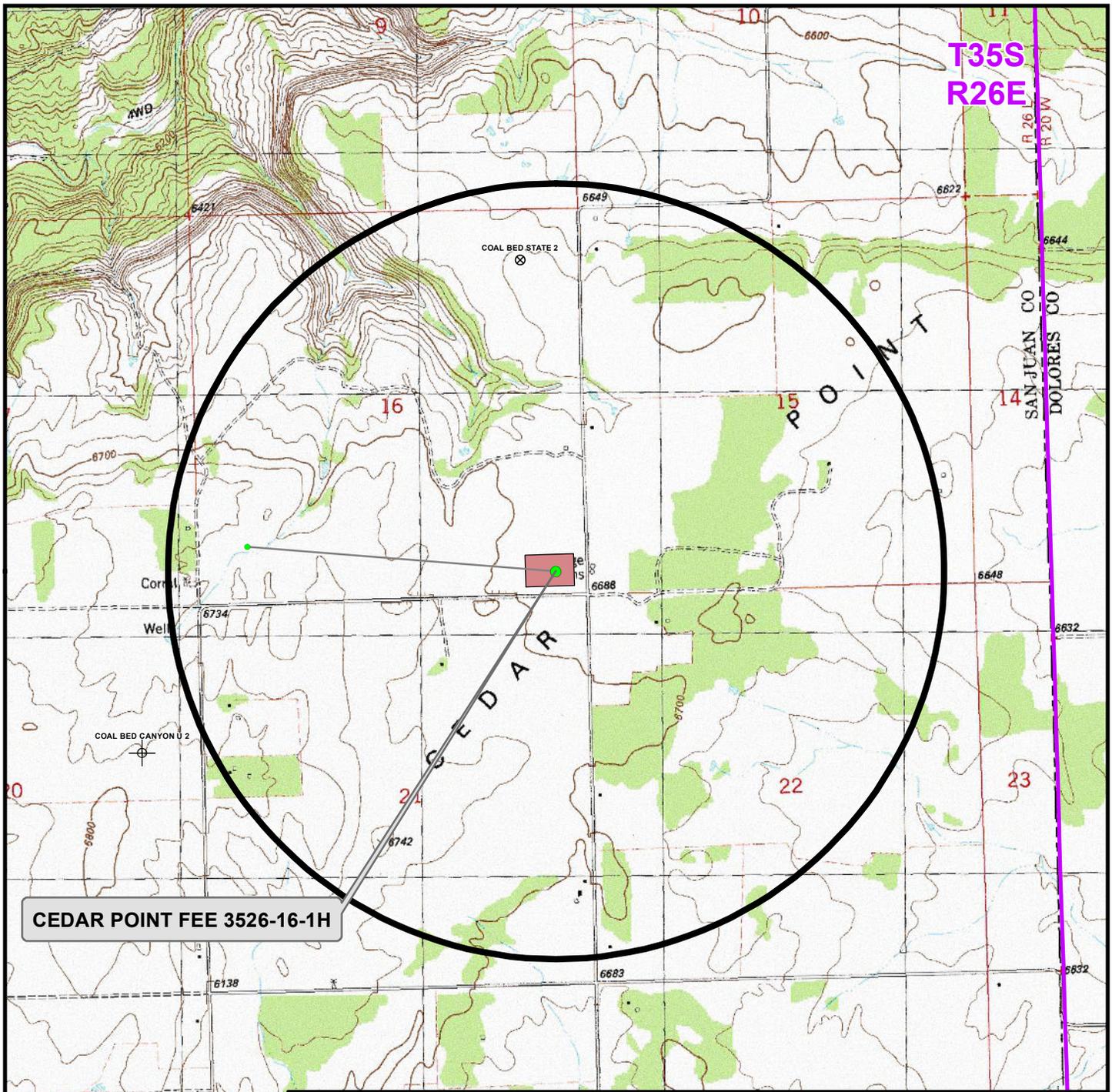
WELL PAD - CEDAR POINT FEE 3526-16P

TOPO B
CEDAR POINT FEE 3526-16-1H
 LOCATED IN SECTION 16, T35S, R26E,
 S.L.B.&M., SAN JUAN COUNTY, UTAH

Anadarko E&P
Onshore LLC
 1099 18th Street
 Denver, Colorado 80202

CONSULTING, LLC
 2155 North Main Street
 Sheridan, Wyoming 82801
 Phone 307-674-0609
 Fax 307-674-0182

SCALE: 1" = 2,000ft	NAD83 USP South	8 8 OF 10
DRAWN: TL	DATE: 26 Apr 2013	
REVISED: TL	DATE: 9 May 2013	



There are no Existing or Permitted Wells within the One-Mile Radius

Legend

- Well - Proposed
- Bottom Hole - Proposed
- Bottom Hole - Existing
- Well Path
- Well Pad
- Well - 1 Mile Radius
- ☀ Producing
- ☀ Active
- ☺ Spudded
- ⊕ APD Approved
- New Permit
- ⊖ Temporarily-Abandoned
- ⊗ Location Abandoned
- ⊕ Plugged and Abandoned
- ⊖ Shut-In

WELL PAD - CEDAR POINT FEE 3526-16P

**TOPO C
CEDAR POINT FEE 3526-16-1H
LOCATED IN SECTION 16, T35S, R26E,
S.L.B.&M., SAN JUAN COUNTY, UTAH**

**Anadarko E&P
Onshore LLC
1099 18th Street
Denver, Colorado 80202**



CONSULTING, LLC
2155 North Main Street
Sheridan, Wyoming 82801
Phone 307-674-0609
Fax 307-674-0182



SCALE: 1" = 2,000ft

NAD83 USP South

SHEET NO:

DRAWN: TL

DATE: 26 Apr 2013

9

REVISED: TL

DATE: 9 Oct 2013

9 OF 10

K:\ANADARKO\2013\2013_30_PARADOX_NAPA_WELLS\GIS\Maps_ABC\CEDAR POINT FEE 3526-16-1H_C.mxd\10/9/2013 1:44:07 PM

**ANADARKO E&P ONSHORE LLC
WELL PAD – CEDAR POINT FEE 3526-16P
WELL – CEDAR POINT FEE 3526-16-1H
LOCATED IN SECTION 16
T35S, R26E, S.L.B.&M.**

From the intersection of North Main Street and East Center Street in Monticello, Utah, proceed in an easterly direction along East Center Street, which becomes U.S. Highway 491, approximately 18.8 miles, entering Colorado, to the intersection of County Road 2 to the south. Exit right and proceed in a southerly direction along County Road 2 approximately 3.0 miles to the intersection of County Road H to the east. Exit left and proceed in an easterly direction along County Road H approximately 0.3 miles to the intersection of County Road 2 to the south. Exit right and proceed in a southerly direction along County Road 2 approximately 0.7 miles to the intersection of County Road J to the west. Exit right and proceed in a westerly direction along County Road J approximately 1.9 miles to the Utah State Line and Cedar Point Road. Continue in a westerly, then southerly, then westerly, then southerly direction along Cedar Point Road approximately 2.9 miles to the intersection of Carhart Road to the west. Exit right and proceed in a westerly direction along Carhart Road approximately 0.1 miles to the proposed access road to the north. Exit right and follow the road flags in a northerly direction approximately 105 feet to the proposed well location.

Total distance from Monticello, Utah to the proposed Cedar Point Fee 3526-16P well pad is approximately 27.7 miles in a southeasterly direction.

5D Plan Report



5D Plan Report

ANADARKO

Field Name: *SAN JUAN COUNTY_NAD83*
Site Name: *CEDAR POINT FEE 3526-16P PAD*
Well Name: *CEDAR POINT FEE 3526-16-1H - LATERAL*
Plan: *PLAN 4*





Field: SAN JUAN COUNTY_NAD83
 Map Unit: USFT Vertical Reference Datum (VRD): Mean Sea Level
 Projected Coordinate System: NAD83 / Utah South (ftUS)

Site: CEDAR POINT FEE 3526-16P PAD
 Unit: USFeet TVD Reference:
 Company Name: ANADARKO
 Position: Northing: 10238315.33USft Latitude: 37.728547°
 Easting: 2344482.14USft Longitude: -109.065270°
 North Reference: True Grid Convergence: 1.49°
 Elevation Above VRD: 6698.00USft

Slot: CEDAR POINT FEE 3526-16-1H
 Position:
 Offset is from Site centre
 +N/-S: -0.00USft Northing: 10238315.33USft Latitude: 37.728547°
 +E/-W: -0.01USft Easting: 2344482.14USft Longitude: -109.065270°
 Elevation Above VRD: 6698.00USft

Well: CEDAR POINT FEE 3526-16-1H - LATERAL
 Type: Side-Track
 File Number:
 Vertical Section: Position offset of origin from Slot centre:
 +N/-S: 0.00USft Azimuth: 276.11°
 +E/-W: 0.01USft
 Magnetic Parameters:
 Model: Field Strength: Declination: Dip: Date:
 BGGM 50874(nT) 10.34° 64.02° 2013-10-03

Plan Data for CEDAR POINT FEE 3526-16-1H - LATERAL

Plan Point Information:

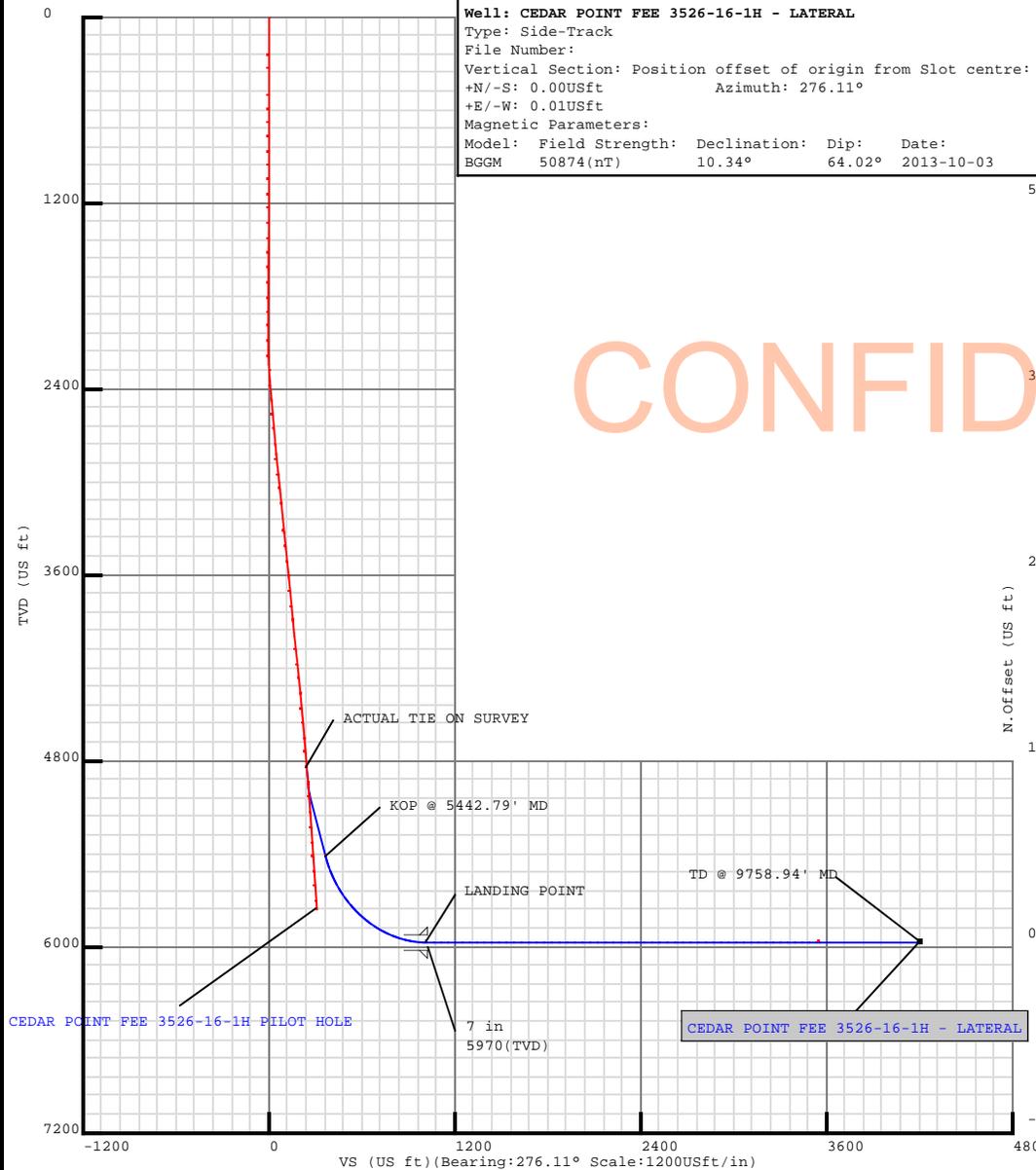
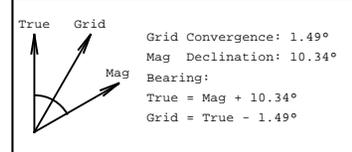
DogLeg Severity Unit: °/100.00ft											
						Position offsets from Slot centre					
MD	Inc	Az	TVD	+N/-S	+E/-W	VSec	DLS	Toolface	Build	Turn	
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(DLSU)	(°)	(DLSU)	(DLSU)	
4857.00	4.66	272.11	4844.77	65.03	-238.15	243.72	0.00	0.0	0.00	0.00	
4962.58	4.70	273.21	4950.00	65.43	-246.75	252.32	0.09	66.5	0.04	1.04	
5062.58	14.70	273.21	5048.45	66.37	-263.55	269.12	10.00	0.0	10.00	0.00	
5442.79	14.70	273.21	5416.21	71.78	-359.88	365.48	0.00	0.0	0.00	0.00	
6408.77	90.00	303.00	5970.00	391.73	-985.10	1021.20	8.00	30.6	7.80	3.08	
9032.44	90.00	250.53	5970.00	690.03	-3500.42	3553.98	2.00	270.0	0.00	-2.00	
9758.94	90.00	250.53	5970.00	447.84	-4185.35	4209.24	0.00	0.0	0.00	0.00	

Casing Point Information:

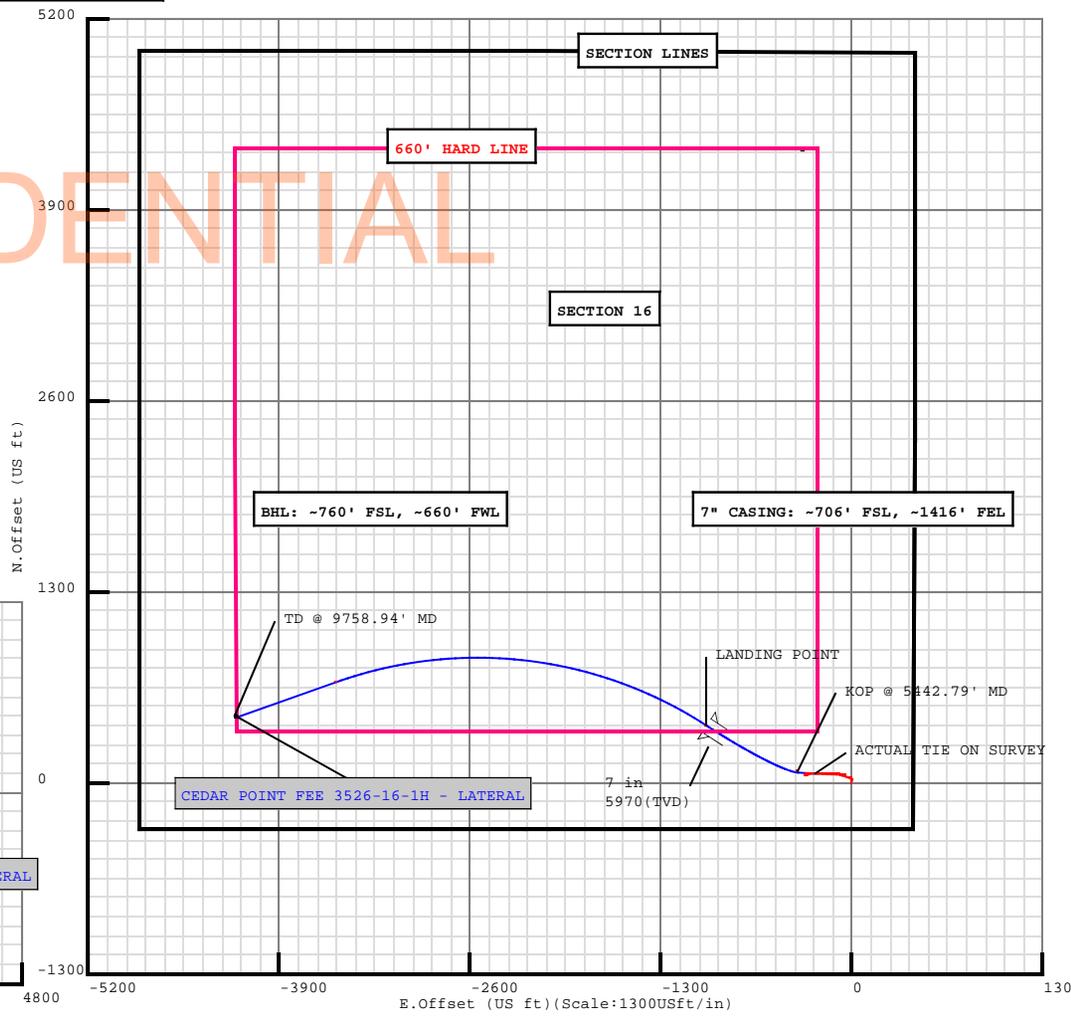
Name	MD	TVD
	(USft)	(USft)
7 in	6408.77	5970.00

Target Set Information:

Name: CEDAR POINT FEE 3526-16-1H - LATERAL			
Name	TVD	Lat	Long
	(USft)	(°)	(°)
BPHL	5970.00	37.729776	-109.079742



CONFIDENTIAL



5D Plan Report

Plan Surveys for the CEDAR POINT FEE 3526-16-1H - LATERAL

Site Name CEDAR POINT FEE 3526-16P PAD	Units : US ft	North Reference : True	Convergence Angle : 1.49		
	Position	Northing : 10238315.33 US ft	Latitude : 37.728547		
		Easting : 2344482.14 US ft	Longitude : -109.065270		
	Elevation above: 6698.00 US ft				
	Comment :				
Slot Name CEDAR POINT FEE 3526-16-1H	Position (Offsets relative to Site Centre)				
	+N / -S : -0.00 US ft	Northing : 10238315.33 US ft	Latitude : 37.728547		
	+E / -W : -0.01 US ft	Easting : 2344482.14 US ft	Longitude : -109.065270		
	Slot TVD Reference : Ground Elevation				
	Elevation above : 6698.00 US ft				
	Comment :				
Well Name CEDAR POINT FEE 3526-16-1H - LATERAL	Type : Sidetrack	UWI :	Plan : PLAN 4		
	Parent : CEDAR POINT FEE 3526-16-1H PILOT HOLE	Tie Point Method : MD	Tie Point : 4857.00 US ft		
	Rig Height <i>Drill Floor</i> : 26.00 US ft	Comment :			
	Relative to : 6724.00 US ft				
	Closure Distance : 3965.72 US ft	Closure Azimuth : 275.539°			
	Vertical Section (Position of Origin Relative to Slot)				
		+N / -S : 0.00 US ft	+E / -W : 0.01 US ft	Az : 276.11°	
	Magnetic Parameters				
	Model : BGGM	Field Strength : 50874.7nT	Dec : 10.34°	Dip : 64.02°	Date : 03/Oct/2013

5D Plan Report

Target Set

Name : CEDAR POINT FEE 3526-16-1H -
LATERAL

Number of Targets : 1

Comment :

TargetName:	Position (Relative to centre)		
PBHL	+N / -S : 447.84US ft	Northing : 10238654.06 US ft	Latitude : 37°43'47.193600"
Shape:	+E / -W : -4185.35 US ft	Easting : 2340286.55US ft	Longitude : -109°4'47.071200"
Cuboid	TVD (Drill Floor) : 5970.00 US ft		
Orientation	Azimuth : 0.00°	Inclination : 0.00°	
Dimensions	Length : 20.00 US ft	Breadth : 20.00 US ft	Height : 20.00 US ft

Casing Points (Relative to centre, TVD relative to Drill Floor)

Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)
7 in	6408.77	90.00	303.00	5970.00	391.74	-985.11	37.729623	-109.068676

Well path created using minimum curvature

Salient Points (Relative to centre, TVD relative to Drill Floor)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
4857.00	4.66	272.11	4844.77	65.03	-238.15	37.728726	-109.066093	0.00	0.00	243.72	ACTUAL TIE ON SURVEY
4962.58	4.70	273.21	4950.00	65.43	-246.75	37.728727	-109.066123	0.09	66.53	252.32	
5062.58	14.70	273.21	5048.45	66.37	-263.55	37.728729	-109.066181	10.00	0.00	269.13	
5442.79	14.70	273.21	5416.21	71.78	-359.88	37.728744	-109.066514	0.00	0.00	365.48	KOP @ 5442.79' MD
6408.77	90.00	303.00	5970.00	391.73	-985.10	37.729623	-109.068676	8.00	30.62	1021.21	LANDING POINT
6408.77	90.00	303.00	5970.00	391.74	-985.11	37.729623	-109.068676	0.00	0.00	1021.21	7 in
9032.44	90.00	250.53	5970.00	690.03	-3500.42	37.730441	-109.077374	2.00	270.00	3553.98	
9758.94	90.00	250.53	5970.00	447.84	-4185.35	37.729776	-109.079742	0.00	0.00	4209.25	TD @ 9758.94' MD

Interpolated Points (Relative to centre, TVD relative to Drill Floor)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment
4857.00	4.66	272.11	4844.77	65.03	-238.15	37.728726	-109.066093	0.00	0.00	243.72	ACTUAL TIE ON SURVEY
4957.00	4.70	273.15	4944.43	65.41	-246.30	37.728727	-109.066123	0.09	66.53	251.86	

5D Plan Report

Interpolated Points (Relative to centre, TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment	
4962.58	4.70	273.21	4950.00	65.43	-246.75	0.09	65.49	252.32		
5057.00	14.14	273.21	5043.04	66.30	-262.17	10.00	0.00	267.74		
5062.58	14.70	273.21	5048.45	66.37	-263.55	10.00	0.00	269.13		
5157.00	14.70	273.21	5139.77	67.72	-287.48	0.00	0.00	293.05		
5257.00	14.70	273.21	5236.50	69.14	-312.81	0.00	0.00	318.40		
5357.00	14.70	273.21	5333.22	70.56	-338.15	0.00	0.00	343.74		
5442.79	14.70	273.21	5416.21	71.78	-359.88	0.00	0.00	365.48	KOP @ 5442.79' MD	
5457.00	15.69	275.35	5429.92	72.06	-363.60	8.00	30.62	369.21		
5557.00	23.03	285.14	5524.23	78.44	-395.99	8.00	28.55	402.09		
5657.00	30.69	290.31	5613.39	92.43	-438.87	8.00	19.29	446.22		
5757.00	38.47	293.56	5695.66	113.75	-491.40	8.00	14.67	500.72		
5857.00	46.32	295.85	5769.46	142.00	-552.55	8.00	11.99	564.53		
5957.00	54.21	297.61	5833.33	176.62	-621.15	8.00	10.29	636.42		
6057.00	62.12	299.05	5886.05	216.94	-695.85	8.00	9.17	714.99		
6157.00	70.03	300.29	5926.57	262.17	-775.19	8.00	8.41	798.70		
6257.00	77.96	301.41	5954.11	311.43	-857.64	8.00	7.90	885.92		
6357.00	85.89	302.46	5968.14	363.77	-941.59	8.00	7.59	974.97		
6408.77	90.00	303.00	5970.00	391.73	-985.10	8.00	7.45	1021.21	LANDING POINT	
6408.77	90.00	303.00	5970.00	391.74	-985.11	0.00	0.00	1021.21	7 in	
6457.00	90.00	302.04	5970.00	417.66	-1025.78	2.00	270.00	1064.41		
6557.00	90.00	300.04	5970.00	469.22	-1111.46	2.00	270.00	1155.09		
6657.00	90.00	298.04	5970.00	517.75	-1198.88	2.00	270.00	1247.19		
6757.00	90.00	296.04	5970.00	563.20	-1287.95	2.00	270.00	1340.59		
6857.00	90.00	294.04	5970.00	605.52	-1378.55	2.00	270.00	1435.17		
6957.00	90.00	292.04	5970.00	644.64	-1470.57	2.00	270.00	1530.84		
7057.00	90.00	290.04	5970.00	680.54	-1563.90	2.00	270.00	1627.46		
7157.00	90.00	288.04	5970.00	713.15	-1658.43	2.00	270.00	1724.92		
7257.00	90.00	286.04	5970.00	742.44	-1754.04	2.00	270.00	1823.10		
7357.00	90.00	284.04	5970.00	768.38	-1850.61	2.00	270.00	1921.89		
7457.00	90.00	282.04	5970.00	790.94	-1948.03	2.00	270.00	2021.15		
7557.00	90.00	280.04	5970.00	810.08	-2046.17	2.00	270.00	2120.78		
7657.00	90.00	278.04	5970.00	825.78	-2144.93	2.00	270.00	2220.64		
7757.00	90.00	276.04	5970.00	838.03	-2244.17	2.00	270.00	2320.63		
7857.00	90.00	274.04	5970.00	846.81	-2343.78	2.00	270.00	2420.60		
7957.00	90.00	272.04	5970.00	852.10	-2443.63	2.00	270.00	2520.45		
8057.00	90.00	270.04	5970.00	853.91	-2543.61	2.00	270.00	2620.06		
8157.00	90.00	268.04	5970.00	852.22	-2643.59	2.00	270.00	2719.29		
8257.00	90.00	266.04	5970.00	847.05	-2743.46	2.00	270.00	2818.03		
8357.00	90.00	264.04	5970.00	838.40	-2843.07	2.00	270.00	2916.17		
8457.00	90.00	262.04	5970.00	826.27	-2942.33	2.00	270.00	3013.57		
8557.00	90.00	260.04	5970.00	810.69	-3041.11	2.00	270.00	3110.12		

5D Plan Report

Interpolated Points (Relative to centre, TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	DLS (°/100 US ft)	T.Face (°)	VS (US ft)	Comment	
8657.00	90.00	258.04	5970.00	791.67	-3139.27	2.00	270.00	3205.71		
8757.00	90.00	256.04	5970.00	769.24	-3236.72	2.00	270.00	3300.21		
8857.00	90.00	254.04	5970.00	743.42	-3333.32	2.00	270.00	3393.52		
8957.00	90.00	252.04	5970.00	714.24	-3428.97	2.00	270.00	3485.52		
9032.44	90.00	250.53	5970.00	690.03	-3500.42	2.00	270.00	3553.98		
9057.00	90.00	250.53	5970.00	681.84	-3523.57	0.00	0.00	3576.13		
9157.00	90.00	250.53	5970.00	648.51	-3617.85	0.00	0.00	3666.33		
9257.00	90.00	250.53	5970.00	615.17	-3712.13	0.00	0.00	3756.52		
9357.00	90.00	250.53	5970.00	581.83	-3806.41	0.00	0.00	3846.72		
9457.00	90.00	250.53	5970.00	548.49	-3900.69	0.00	0.00	3936.92		
9557.00	90.00	250.53	5970.00	515.16	-3994.97	0.00	0.00	4027.11		
9657.00	90.00	250.53	5970.00	481.82	-4089.25	0.00	0.00	4117.31		
9757.00	90.00	250.53	5970.00	448.48	-4183.53	0.00	0.00	4207.50		
9758.94	90.00	250.53	5970.00	447.84	-4185.35	0.00	0.00	4209.25	TD @ 9758.94' MD	

State of Utah - Notification Form

Operator Anadarko Petroleum Rig Name/# H & P 298
Submitted By ANDY BOSHARD Phone Number 435-828-0957
Well Name/Number CEDAR POINT 3526-16-1H
Qtr/Qtr SE/SE Section 16 Township 35S Range 26E
Lease Serial Number ML52114
API Number 4303750060

Casing – Time casing run starts, not cementing times.

- Production Casing
- Other

Date/Time 10/8/2013 08:00 AM PM

BOPE

- Initial BOPE test at surface casing point
- Other

Date/Time _____ AM PM

Rig Move

Location To: _____

Date/Time ____ _ AM PM

RECEIVED
OCT 06 2013
DIV. OF OIL, GAS & MINING

Remarks RUN 7" INTERMEDIATE CSG TO 6300' TIME IS ESTIMATED

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-52114
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: CEDAR POINT FEE 3526-16-1H	
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC	9. API NUMBER: 43037500600000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217	PHONE NUMBER: 720 929-6100 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0315 FSL 0430 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 16 Township: 35.0S Range: 26.0E Meridian: S		COUNTY: SAN JUAN
		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 Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/7/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Complete well"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>Anadarko E&P Onshore, LLC intends to move back on the above captioned location on, or around, May 15, 2014 to complete the well. No changes will be made to the approved Application for Permit to Drill.</p> <div style="text-align: right; font-weight: bold; font-size: 1.2em;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 08, 2014 </div>		
NAME (PLEASE PRINT) Laura Abrams	PHONE NUMBER 720 929-6356	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 4/7/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-52114
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: CEDAR POINT FEE 3526-16-1H	
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC	9. API NUMBER: 43037500600000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217	PHONE NUMBER: 720 929-6100 Ext	9. FIELD and POOL or WILDCAT: WILDCAT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0315 FSL 0430 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 16 Township: 35.0S Range: 26.0E Meridian: S	COUNTY: SAN JUAN	
	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 Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/1/2014	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
Drilled and completed 05/23/2014, currently testing production. <div style="text-align: right; margin-top: 20px;"> <p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>July 01, 2014</p> </div>		
NAME (PLEASE PRINT) Kay E. Kelly	PHONE NUMBER 720 929 6582	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 7/1/2014	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-52114
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217	8. WELL NAME and NUMBER: CEDAR POINT FEE 3526-16-1H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0315 FSL 0430 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 16 Township: 35.0S Range: 26.0E Meridian: S	9. API NUMBER: 43037500600000
9. FIELD and POOL or WILDCAT: WILDCAT	COUNTY: SAN JUAN
9. PHONE NUMBER: 720 929-6100 Ext	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: 6/26/2014	<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 checked="" type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input 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.

Anadarko E&P Onshore, LLC is requesting a 30 day extension for flaring on the subject well. Gas is currently being flared on the Cedar Point Fee 3526-16-1H as part of a production test due to lack of pipeline infrastructure in the area. The total flared volume on this well is ~2.8 MMcf over a 20 day period. We are requesting this flaring extension due to non-consistent oil rates on this well up to this point. Based on daily gas production up to this point, we expect to flare no more than 6 MMcf over the next 30 days.

**Approved by the
Utah Division of
Oil, Gas and Mining
July 02, 2014**

Date: _____
By: *Doreen Green*

NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 6/26/2014	

CONFIDENTIAL STATUS

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NUMBER: ML52115			
6. IF INDIAN, ALLOTTEE OR TRIBE NAME						7. UNIT or CA AGREEMENT NAME			
1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						8. WELL NAME and NUMBER: CEDAR POINT FEE 3526-16-1H			
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						9. API NUMBER: 4303750060			
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC,						10. FIELD AND POOL, OR WILDCAT WILDCAT			
3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY DENVER STATE CO ZIP 80217			PHONE NUMBER: (720) 929-6000			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 16 35S 26E S			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: SESE 315 FSL 430 FEL						12. COUNTY SAN JUAN			
AT TOP PRODUCING INTERVAL REPORTED BELOW: NENE 846 FSL 3695 FWL						13. STATE UTAH			
AT TOTAL DEPTH: NENE 751 FSL 675 FWL						17. ELEVATIONS (DF, RKB, RT, GL): 6724 RKB			
14. DATE SPURRED: 8/15/2013		15. DATE T.D. REACHED: 10/21/2013		16. DATE COMPLETED: 5/23/2014		ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL): 6724 RKB	
18. TOTAL DEPTH: MD 9,759 TVD 5,890		19. PLUG BACK T.D.: MD 9,566 TVD 5,902		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) RADIAL CBL/GR/CCL/TEMP						23. WAS WELL CORED? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)			
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
30"	20" A53B	90#	0	40		108			
12.25	9.625 J-55	36#	0	2,042		485		0	
8.75	7" P-110	29#	31	6,514		555		1300	
6	4.5 P-110	15.1#	4,887	9,759		380			
25. TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2 3/8"	4,896								
26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) GOTHIC	6,575	9,508			6,575 9,508	0.33	376	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL								
6575-9508	PUMP 53,865 BBLs SLICKWATER, 70 BBLs 15% HCl ACID & 1,370,539 # 20/40 SAND & 71,910 # 100 MESH SAND								
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:	
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS <input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____								SHUT IN	

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 5/23/2014		TEST DATE: 6/23/2014		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL - BBL: 0	GAS - MCF: 164	WATER - BBL: 210	PROD. METHOD: FLARING
CHOKE SIZE: 12/64	TBG. PRESS. 125	CSG. PRESS. 125	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 164	WATER - BBL: 210	INTERVAL STATUS:	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

CURRENTLY SHUT IN (FLARED FROM 6/5/14 THROUGH 7/1/14 DURING PRODUCTION TEST)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				NAVAJO	1,258
				CHINLE	2,087
				WHITE RIM SS	2,613
				HATCH	5,782
				ISMAY	5,820
				HOVENWEEP	5,897
				LOWER ISMAY	5,949
				GOTHIC	6,008
				DESERT CREEK	6,069
				CHIMNEY ROCK	6,153

35. ADDITIONAL REMARKS (Include plugging procedure)

Attached is the Drilling Chrono, Perforation Report, Completion Chrono and Final Survey for this report. Tubing was run 5/22/14 and a pump installed 5/23/14. The well was tested for production and is currently shut-in for more analysis; no hydrocarbons were sold. If any production is sold a Subsequent Sundry Notice for first production will be submitted. A kick-off plug from 4950-5350 was cemented with 245 sx cement. Core samples were taken from 5820-6172 and will be evaluated and analysis submitted at a later date.

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

NAME (PLEASE PRINT) ILA BEALE

TITLE STAFF REGULATORY SPECIALIST

SIGNATURE 

DATE 7-18-2014

This report must be submitted within 30 days of

- completing or plugging a new well
- reentering a previously plugged and abandoned well
- drilling horizontal laterals from an existing well bore
- significantly deepening an existing well bore below the previous bottom-hole depth
- recompleting to a different producing formation
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top - Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340
Fax: 801-359-3940

US ROCKIES REGION
Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
9/15/2013	12:00 - 18:00	6.00	MIRU	01	A	P		RIG DOWN AND MOVEOUT 20% MOVED 60% RIGGED DOWN JONES TRUCKING 12 TRUCKS, 2 FORK LIFTS 1- CRANE 4 PUSHERS 24 PEOPLE / H&P 14 HANDS - 1 PUSHER / MOUNTAIN WEST 3 TRUCKS 15 PEOPLE - 26 MILE RIG MOVE
	18:00 - 0:00	6.00	MIRU	21	C	P		WAIT ON DAYLIGHT
9/16/2013	0:00 - 6:00	6.00	MIRU	21	C	P	0	WAIT ON DAYLIGHT
	6:00 - 18:00	12.00	MIRU	01	A	P	0	RIG DOWN AND MOVE OUT 95% MOVED 100% RIGGED DOWN 30% RIGGED UP / JONES TRUCKING 12 TRUCKS, 2 FORK LIFTS 1- CRANE 4 PUSHERS 24 PEOPLE / H&P 14 HANDS - 1 PUSHER / MOUNTAIN WEST 3 TRUCKS 15 PEOPLE - 26 MILE RIG MOVE
	18:00 - 0:00	6.00	MIRU	21	C	P		WAITING ON DAYLIGHT
9/17/2013	0:00 - 6:00	6.00	MIRU	21	C	P	0	WAIT ON DAYLIGHT
	6:00 - 17:00	11.00	MIRU	01	A	P	0	100% MOVED // JONES TRUCKING 6 TRUCKS, 1- FORK LIFT 1- CRANE 2 PUSHERS 15 PEOPLE / H&P 14 HANDS - 1 PUSHER / 26 MILE RIG MOVE / DERRICK IN AIR @ 16:30 / TRUCKS OFF LOCATION @ 17:00 HRS / CRANE OFF LOCATION @ 15:00 CONTINUE TO RIG UP
	17:00 - 0:00	7.00	MIRU	01	B	P	80	RIG UP ROTARY TOOLS / LIGHTS / FLARE LINES / NOV. EQUIPMENT / UPRIGHTS / PITS / CUT AND WELD 20" CONDUCTOR W/ROTATING HEAD / CONTINUE TO RIG UP ROTARY TOOLS
9/18/2013	0:00 - 6:00	6.00	MIRU3	01	B	P		CONTINUE TO RIG UP ROTARY TOOLS
	6:00 - 11:00	5.00	PRPSPD	14	A	P		WELD ON 20" CONDUCTOR & INSTALL FLOW LINE & EQUIPMENT
	11:00 - 12:30	1.50	PRPSPD	01	B	P		RIG UP DRILLING BAILS / CHANGE OUT SAVER SUB AND PIPE GUIDE
	12:30 - 13:30	1.00	PRPSPD	01	B	P		HELD SAFETY AND PROCEDURE MEETING WITH TOOLPUSHER - RIG CREW - DIRECTIONAL - NOV SOLIDS CONTROL / PRE-SPUD INSPECTION / CLEAN AND ORGANIZE FLOOR / PERPARE TO SPUD
	13:30 - 15:30	2.00	PRPSPD	01	B	P		STRAP #1 BHA AND STAGE SAME
	15:30 - 18:00	2.50	PRPSPD	06	A	P		PICK UP 12.25" BIT AND 1.5 BEND .16 GPR MUD MOTOR AND MAKE UP SAME WITH SCORPION W/ STABILIZER
	18:00 - 20:00	2.00	PRPSPD	06	A	P		MAKE UP DRILLING SUB / FILL AND TEST LINES / TAG CEMENT @ 65'
	20:00 - 23:30	3.50	DRLSUR	02	B	P		DRILL F/65' TO 250' = 185' AVG 52.8'/HR BIT WT = 3K - 7K 120 STKS = 540 GPM TORQ = 2K - 0K PRESSURE ON/OFF BOTTOM 560/377 RPM 40/86 = 126 TOTAL AT BIT
	23:30 - 0:00	0.50	DRLSUR	05	C	P	197	CIRCULATE BTMS UP W/HIGH VIS SWEEP
9/19/2013	0:00 - 0:30	0.50	DRLSUR	06	A	P	250	TOOH FROM 250' & RACK BACK 8" DC'S WITH NO PROBLEMS

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	0:30 - 4:00	3.50	DRLSUR	06	A	P		PICK UP & MAKE UP DIRECTIONAL BHA WITH WEAHTERFIORD SCRIBE ,ORIENTATE & TEST SAME
	4:00 - 6:00	2.00	DRLSUR	02	B	P	250	DRILL 12 1/4" HOLE FROM 250' TO 507' = 257' @ 128.5 FPH WOB = 10,000 -25,000 TOP DRIVE RPM = 60-80 MUD MOTOR RPM = 122 PUMPS = 85/85 SPM = 765 GPM PUMP PRESS ON / OFF BTM = 1200/850 TORQUE ON/OFF BTM = 8000 ft./lbs. / 3000 ft./lbs. PICK UP WT = 67 K SLACK OFF WT = 63K ROTATING WT = 65 K NO SLIDES NOV ON LINE SWACO OFF LINE 20 BBL FLUID LOST
	6:00 - 16:30	10.50	DRLSUR	02	B	P	507	DRILL 12 1/4" HOLE FROM 507' TO 1,393' = 886' @ 84.3 FPH WOB = 10,000 -25,000 TOP DRIVE RPM = 60-80 MUD MOTOR RPM = 122 PUMPS = 85/85 SPM = 765 GPM PUMP PRESS ON / OFF BTM = 1265/925 TORQUE ON/OFF BTM = 8,000/ ft./lbs. / 3,000 ft./lbs. PICK UP WT = 98 K SLACK OFF WT = 96 K ROTATING WT = 97 K SLIDE 30' IN 25 MINS. 3.3% OF FOOTAGE DRILLED, 3.9%OF HRS DRILLED NOV ON LINE SWACO OFF LINE NO FLUID LOST
	16:30 - 17:00	0.50	DRLSUR	07	A	P	1393	RIG SERVICE @ 1,393'
	17:00 - 17:30	0.50	DRLSUR	02	B	P	1393	DRILL 12 1/4" HOLE FROM 1,393' TO 1,488' = 95' @ 190 FPH
	17:30 - 18:00	0.50	DRLSUR	07	B	P	1488	CHANGE OUT SAVER SUB / LEVEL DERRICK
	18:00 - 21:00	3.00	DRLSUR	02	B	P	1488	DRILL 12 1/4" HOLE FROM 1,488' TO 1,587' = 99' @ 84.3 FPH WOB = 10,000 -25,000 TOP DRIVE RPM = 60-80 MUD MOTOR RPM = 122 PUMPS = 85/85 SPM = 766 GPM PUMP PRESS ON / OFF BTM = 1600/900 TORQUE ON/OFF BTM = 18,000/ ft./lbs. / 4,000 ft./lbs. PICK UP WT = 105 K SLACK OFF WT = 95 K ROTATING WT = 100 K = 5 K DRAG NO SLIDES M.W. 9.1 VIS 33 NOV ON LINE SWACO OFF LINE NO FLUID LOST

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	21:00 - 22:00	1.00	DRLSUR	05	C	P	1587	CIRCULATE AND CONDITION (PUMP SWEEP) BUILD SLUG AND PUMP SAME
	22:00 - 0:00	2.00	DRLSUR	06	A	P	1587	TOOH FOR 12.25" BIT (LAY DOWN 3 JTS TO BREAK STD OUT OF SAVER SUB) TOOH TO 207'
9/20/2013	0:00 - 3:30	3.50	DRLSUR	06	A	P		CONTINUE TOOH & CHANGE OUT BITS
	3:30 - 6:00	2.50	DRLSUR	06	A	P	0	TIH WASH & REAM FROM 1,250' TO 1,587' WITH NO PROBLEMS, NO FILL
	6:00 - 17:00	11.00	DRLSUR	02	B	P	1587	DRILL 12 1/4" HOLE FROM 1,587' TO 2,052' TD = 465' @ 42.27 FPH WOB = 20,000 -35,000 TOP DRIVE RPM = 40-55 MUD MOTOR RPM = 100 PUMPS = 70/70 SPM = 630 GPM PUMP PRESS ON / OFF BTM = 765/625 TORQUE ON/OFF BTM = 2,000/ ft./lbs. / 1,000 ft./lbs. PICK UP WT = 110K SLACK OFF WT = 110 K ROTATING WT = 110 K NO SLIDES 23.95' NORTH 8.07' EAST M.W. 8.5 VIS 30 NOV ON LINE SWACO OFF LINE 200 BBL FLUID LOST
	17:00 - 18:00	1.00	DRLSUR	05	C	P	2052	CIRCULATE AND CONDITION HOLE PRIOR TO TOOH
	18:00 - 23:00	5.00	DRLSUR	06	A	P	2052	TOOH LAYING DOWN #1 SURFACE BHA
	23:00 - 23:30	0.50	DRLSUR	07	A	P		RIG SERVICE
	23:30 - 0:00	0.50	DRLSUR	01	B	P		PJSM / CHANGE OUT BAILS AND SAVER SUB / CLEAN RIG FLOOR / RIG UP FRANK'S CASING CREW
9/21/2013	0:00 - 1:00	1.00	CSGSUR	01	B	P		CONTINUE TO RIG UP FRANKS CASING EQUIPMENT
	1:00 - 5:00	4.00	CSGSUR	12	C	P		RUN 48 JTS OF 9 5/8 CASING 36# , J-55 LTC TO 2,034' , FLOAT COLLAR@ 1,989' WITH NO PROBLEMS
	5:00 - 8:00	3.00	CSGSUR	12	A	P		CIRCULATE - MEANWHILE PJSM RIG DOWN CASING EQUIPMENT - PJSM WITH CEMENTERS RIG UP HALLIBURTON
	8:00 - 9:30	1.50	CSGSUR	12	E	P		CEMENT WITH HALLIBURTON MIX & PUMP PRESSURE TEST LINES TO 2500 PSI - PUMP 25 BBL MUD FLUSH FOLLOWED WITH 150 BBL 12.3 PPG CEMENT 355 SKS 2.38 YIELD / DROP PLUG DISPLACE WITH 154 BBL DIRTY WATER @ 8.5 PPG BUMP PLUG WITH 1020 PSI FLOATS HELD LIFT PRESSURE @ 470 PSI NO CEMENT TO SURFACE 25 BBL MUD FLUSH BACK / 1 BBL DIRTY WATER BACK TO INVENTORY / FULL CIRCULATION THROUGH OUT JOB
	9:30 - 15:30	6.00	CSGSUR	13	A	P		W.O.C. MEANWHILE PREFORM TOP OUT CEMENT JOB PUMP 15.8 PPG CEMENT 130 SKS / 25 BBL , 7 BBL CEMENT TO SURFACE
	15:30 - 21:00	5.50	PRSPD	14	A	P		SLACK OFF 9 5/8 CSG - NO MOVEMENT / CUT OFF 20" CONDUCTOR & 9 5/8 CASING, LAY DOWN SAME / WELD ON 11" 5K CAMERON WELL HEAD (IC-9)

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	21:00 - 0:00	3.00	PRSPD	14	A	P		NIPPLE UP 11"X 5K SHAFFER BOP'S AND EQUIPMENT
9/22/2013	0:00 - 3:00	3.00	PRSPD	14	A	P		CONTINUE TO NIPPLE UP 11" X 5K SHAFFER BOP'S
	3:00 - 4:00	1.00	PRSPD	14	B	P		INSTALL MI SWACO BEARING ASSY & CHANGE OUT BAILS
	4:00 - 4:30	0.50	PRSPD	14	A	P	2052	INSTALL MI SWACO PRESSURE CONTROL EQUIPMENT
	4:30 - 10:30	6.00	PRSPD	15	A	P	2052	MU TEST ASSY & PRESSURE TEST H&P EQUIPMENT - BLIND RAMS, PIPE RAMS, FLOOR VALVES, MANUEL VALVE, KILL LINES & KILL VALVES, BOP WING VALVES, HCR VALVE, INNER & OUTER CHOKE VALVES, CHOKE MANIFOLD TO 250 PSI LOW FOR 5MINUTES & HIGH TEST TO 5000 PSI FOR 10 MINUTES, TEST ANNULAR 250 PSI LOW FOR 5 MINUTES & 2500 PSI FOR 10 MINUTE HIGH TEST / TEST CASING FOR 30 MINUTES @ 1900 PSI
	10:30 - 11:30	1.00	PRSPD	15	A	P	2052	TEST MI SWACO PRESSURE CONTROL EQUIPMENT TO 1000 PSI
	11:30 - 12:30	1.00	PRSPD	14	B	P	2052	INSTALL WEAR BUSHING, CHANGE SAVER BACK TO CSX54
	12:30 - 14:30	2.00	PRSPD	06	A	P	2052	PICK UP & MAKE UP DIRECTIONAL BHA WITH WEATHERFORD SCRIBE, ORIENTATE & TEST SAME
	14:30 - 16:30	2.00	PRSPD	06	A	P	2052	TIH WITH 8 3/4" BIT & BHA # 3
	16:30 - 17:30	1.00	PRSPD	01	B	P	2052	INSTALL ROTATING RUBBER / LEVEL DERRICK
	17:30 - 18:00	0.50	PRSPD	06	A	P	1950	TIH WITH 8 3/4" BIT & BHA # 3/ TAGGED CEMENT @ 1,950'
	18:00 - 0:00	6.00	PRSPD	08	B	Z	1950	***TOP DRIVE ELECTRICAL PROBLEMS DUE TO HEAVY RAIN*** MADE UP 10 STANDS
9/23/2013	0:00 - 1:00	1.00	DRLIN1	02	F	P	1950	DRILL CEMENT & SHOE TRACK FROM 1,950' TO 2,034' CLEAN OUT RAT HOLE TO 2,052'
	1:00 - 1:30	0.50	DRLIN1	02	B	P	2052	DRILL 8 3/4" HOLE FROM 2,052' TO 2,068' CIRC HOLE
	1:30 - 2:00	0.50	DRLIN1	16	B	P	2068	PREFORM FIT 11.5 EMW @ 318 PSI
	2:00 - 2:30	0.50	DRLIN1	02	B	P	2068	DRILL 8 3/4" HOLE FROM 2,068' TO 2,142'
	2:30 - 4:30	2.00	DRLIN1	05	G	P	2142	DISPLACE GYP MUD TO CORING FLUID 9.1 PPG 38 VIS & CLEAN PITS
	4:30 - 15:00	10.50	DRLIN1	02	B	P	2142	DRILL /SLIDE / SURVEY/ F/ 2,142' TO 3,287' 1,145' = 109 FPH WOB 15,000 - 25,000 TOP DRIVE RPM 35 - 55 MUD MOTOR RPM 113 PUMPS 90 SPM = 405 GPM PUMP PRESSURE ON/OFF BTM 1,300/795 TORQUE ON/OFF BTM 4,000/2,000 PICK UP WT 105,000 SLACK OFF WT 100,000 ROT WT 101,000 4K DRAG SLIDE 62' IN 630 MINS. 5.4% OF FOOTAGE DRILLED, 9.5% OF HRS DRILLED NO FLUIDS LOST MUD WT 9.4 VIS 40 NOV - ON LINE SWACO OFF LINE
	15:00 - 15:30	0.50	DRLIN1	07	A	P	3287	RIG SERVICE @ 3,287'

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	15:30 - 0:00	8.50	DRLIN1	02	B	P	3287	DRILL /SLIDE / SURVEY/ F/3,287' TO 3,870' 583' = 68.5 FPH WOB 15,000 - 26,000 TOP DRIVE RPM 35 - 55 MUD MOTOR RPM 113 PUMPS 90 SPM = 405 GPM PUMP PRESSURE ON/OFF BTM 1,100/733 TORQUE ON/OFF BTM 6,000/1,000 PICK UP WT 138,000 SLACK OFF WT 128,000 ROT WT 131,000 7K DRAG SLIDE 15' IN 15 MINS. 2.5 % OF FOOTAGE DRILLED, 2.9 % OF HRS DRILLED NO FLUIDS LOST MUD WT 9.4 VIS 44 NOV - ON LINE SWACO OFF LINE
9/24/2013	0:00 - 6:00	6.00	DRLIN1	02	B	P	3870	DRILL 8 3/4" HOLE /SLIDE / SURVEY/ F/3,870' TO 4,269' = 399' = 66.5 FPH WOB 18,000 - 26,000 TOP DRIVE RPM 35 - 55 MUD MOTOR RPM 113/126 PUMPS 90/100 SPM = 405/450 GPM PUMP PRESSURE ON/OFF BTM 1,100/733 TORQUE ON/OFF BTM 4,000/1,000 PICK UP WT 138,000 SLACK OFF WT 128,000 ROT WT 131,000 7K DRAG SLIDE 15' IN 30 MINS. 4.20 % OF FOOTAGE DRILLED, 10 % OF HRS DRILLED NO FLUIDS LOST MUD WT 9.3 VIS 44 NOV - ON LINE SWACO OFF LINE
	6:00 - 17:30	11.50	DRLIN1	02	B	P	4269	DRILL 8 3/4" HOLE /SLIDE / SURVEY/ F/4,269 TO 5,004' = 735' = 63.9 FPH WOB 18,000 - 26,000 TOP DRIVE RPM 35 - 55 MUD MOTOR RPM 113/126 PUMPS 90/100 SPM = 405/450 GPM PUMP PRESSURE ON/OFF BTM 1,050/751 TORQUE ON/OFF BTM 5,000/2,000 PICK UP WT 150,000 SLACK OFF WT 141,000 ROT WT 145,000 5K DRAG NO SLIDES NO FLUIDS LOST MUD WT 9.3 VIS 42 NOV - ON LINE SWACO OFF LINE
	17:30 - 18:00	0.50	DRLIN1	07	A	P	5004	RIG SERVICE @ 5,004'

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	18:00 - 0:00	6.00	DRLIN1	02	B	P	5004	DRILL 8 3/4" HOLE /SLIDE / SURVEY/ F/5,004' TO 5,275' = 271' = 45.2 FPH WOB 18,000 - 26,000 TOP DRIVE RPM 35 - 55 MUD MOTOR RPM 113/126 PUMPS 90/100 SPM = 405/450 GPM PUMP PRESSURE ON/OFF BTM 1,015/800 TORQUE ON/OFF BTM 5,000/1,000 PICK UP WT 165,000 SLACK OFF WT 145,000 ROT WT 155,000 10K DRAG NO SLIDES NO FLUIDS LOST MUD WT 9.3 VIS 41 NOV - ON LINE SWACO OFF LINE
9/25/2013	0:00 - 6:00	6.00	DRLIN1	02	A	P	5275	DRILL 8 3/4" HOLE /SLIDE / SURVEY/ F/5,275' TO 5,480' = 205' = 34.16 FPH WOB 20,000 - 30,000 TOP DRIVE RPM 35 - 55 MUD MOTOR RPM 113/126 PUMPS 90/100 SPM = 405/450 GPM PUMP PRESSURE ON/OFF BTM 1,015/800 TORQUE ON/OFF BTM 5,000/2000 PICK UP WT 165,000 SLACK OFF WT 145,000 ROT WT 155,000 10K DRAG NO SLIDES NO FLUIDS LOST MUD WT 9.3 VIS 41 NOV - ON LINE SWACO OFF LINE
	6:00 - 15:00	9.00	DRLIN1	02	A	P	5480	DRILL 8 3/4" HOLE /SLIDE / SURVEY/ F/5,480' TO 5810=330'@36.6 FPH WOB 10K - 25K TOP DRIVE RPM 35 - 55 MUD MOTOR RPM 113/126 PUMPS 90/100 SPM = 405/450 GPM PUMP PRESSURE ON/OFF BTM 1,015/850 TORQUE ON/OFF BTM 5,000/2800 PICK UP WT 165,000 SLACK OFF WT 145,000 ROT WT 155,000 10K DRAG NO SLIDES NO FLUIDS LOST MUD WT 9.3 VIS 43 NOV - ON LINE SWACO OFF LINE
	15:00 - 15:30	0.50	DRLIN1	05	E	S	5810	CIRCULATE BOTTOMS UP FOR SAMPLE AS PER GEOLOGY,100 STKS/MIN 449 GPM,850 PSI

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

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Start Date: 9/2/2013

End Date: 10/25/2013

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UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	15:30 - 16:00	0.50	DRLIN1	02	A	P	5810	DRILL 8 3/4" HOLE /SLIDE / SURVEY/ F/5810 TO 5820= 10'@ FPH WOB 10K - 25K TOP DRIVE RPM 35 - 55 MUD MOTOR RPM 113/126 PUMPS 90/100 SPM = 405/450 GPM PUMP PRESSURE ON/OFF BTM 1,015/850 TORQUE ON/OFF BTM 5,000/2800 PICK UP WT 165,000 SLACK OFF WT 145,000 ROT WT 155,000 10K DRAG NO SLIDES NO FLUIDS LOST MUD WT 9.3 VIS 43 NOV - ON LINE SWACO OFF LINE
	16:00 - 18:00	2.00	DRLIN1	05	A	P	5820	PUMPED HI-VIS SWEEP - CIRCULATED [2] BOTTOMS UP
	18:00 - 21:00	3.00	DRLIN1	06	A	P	5820	TOH F/5,820' MD T/985' MD / SLM / NO HOLE ISSUES - HOLE TOOK PROPER FILL
	21:00 - 23:00	2.00	DRLIN1	22	O	Z	985	HWDP HUNG UP IN ROTATING HEAD BEARING ASS'Y / REMOVED ROTATING HEAD BEARING ASS'Y & LAY DOWN SAME WITH [3] JT HWDP
	23:00 - 0:00	1.00	DRLIN1	06	A	P	985	TOH F/985' MD T/92' / SLM / NO HOLE ISSUES - HOLE TOOK PROPER FILL
9/26/2013	0:00 - 1:00	1.00	DRLIN1	06	A	P	980	FINISH TRIP OUT ,LAYDOWN DIR TOOLS & MUD MTR & BIT
	1:00 - 10:00	9.00	DRLIN1	06	B	P	0	PJSM W/ CREWS & COREHAND,PICK UP CORE BARRELS & TOOLS,TRIP IN,PICK UP 18 JOINTS CORE PIPE ,BREAK CIRC & FILL@2305,3105,3550,3846,5250
	10:00 - 14:00	4.00	DRLIN1	05	G	P	5820	WASH TO BOTTOM,CIRC BOTTOMS UP,DISPLACE HOLE WITH NEW CORE FLUID,CONDITION FLUID AS PER CORPRO TECH SPECS
	14:00 - 18:30	4.50	DRLIN1	04	A	P	5820	PULL 1 STND - R/UP WIRE LINE & PULL CORE BIT CENTER - INSTALL CORE BARREL RUN #1

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

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Rig Name No: H&P 298/298

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	18:30 - 23:30	5.00	DRLIN1	04	A	P	5820	CORE OPERATIONS # 1 F/ 5,820' T/ 5,830' FOOTAGE CORE - 10' @ 2.0 FPH WOB 8,000 LBS TOP DRIVE RPM 50 PUMP PRESSURE ON/OFF BTM 670 / 660 PSI TORQUE ON/OFF BTM 3K / 3K ft/lbs PICK UP WT 165,000 lbs. SLACK OFF WT 145,000 lbs. ROT WT 155,000 lbs. - 20K lbs. DRAG NO FLUIDS LOST MUD WT 8.9 VIS NOV-D OFF LINE SWACO OFF LINE SPR / MUD PUMP # 2 20 SPM 100 PSI 40 SPM 350 PSI 60 SPM 660 PSI CORE BARREL BECAME UNSEATED - MADE SEVERAL ATTEMPTS TO RESEAT WITHOUT SUCCESS
	23:30 - 0:00	0.50	DRLIN1	01	B	Z	5830	CHECK FLOW - NO FLOW / HELD P.JSM W/CORPRO & H & P PERSONNEL FOR RETRIEVING CORE BARREL - R/J P WIRELINE EQUIPMENT
9/27/2013	0:00 - 2:30	2.50	DRLIN1	04	A	P	5830	RETRIEVE CORE BARREL 10' OF CORES RECOVERED F/5820-5830'
	2:30 - 3:00	0.50	DRLIN1	05	A	P	5830	CIRCULATE SURFACE TO BIT TO CLEAN OUT DP AND LATCH ASSEMBLY@BIT
	3:00 - 4:00	1.00	DRLIN1	04	A	P	5830	RIG UP CORE BARREL RUN #2
	4:00 - 4:30	0.50	DRLIN1	05	A	P	5830	PUMP DOWN AND SEAT CORE BARREL #2@ 30 STROKES /MIN
	4:30 - 0:00	19.50	DRLIN1	04	A	P	5830	CORE F/5830 TO 5886=56 AVG 3 BIT WT 5-10K,RPM 45,STKS 62,PSI 810,GPM 280,PU 165 RO 155 SO 145,TORQ 1500-3300
9/28/2013	0:00 - 8:00	8.00	DRLIN1	04	A	P	5886	CORE F/5886 TO 5893=7 AVG 1.2 BIT WT 5-10K,RPM 45,STKS 62,PSI 810,GPM 280,PU 165 RO 155 SO 145,TORQ 1500-3300
	8:00 - 14:00	6.00	DRLIN1	06	A	S	5893	P.JSM W/ CREWS, FLOW CHECK/NO FLOW,SHEAR CORE @20K,PUMP DRY PILL,TRIP OUT F/ CORE RECOVERY AND BIT INSPECTION
	14:00 - 16:30	2.50	DRLIN1	06	A	P	5893	RECOVER 61.3' OF CORES RELOAD 90' OF CORE BARREL,CHANGE OUT ELEVATORS
	16:30 - 18:00	1.50	DRLIN1	06	A	P		CHANGE BIT,PICK UP CORE BARREL # 3,SET LEAD,LAY DOWN SAME ,PICK UP BIT INSERT AND RODS
	18:00 - 21:30	3.50	DRLIN1	06	A	P		TRIP IN HOLE WITH CORE BIT AND ASSEMBLYFILL PIPE@2306/4210/5800
	21:30 - 0:00	2.50	DRLIN1	04	A	P		REAM OFF STUMP OF CORE #2 F/ 5891 TO 5893,(HELD JSA FOR WIRELINE)
9/29/2013	0:00 - 2:00	2.00	DRLIN1	04	A	P	5893	RACK BACK 2 STANDS,R/U WIRELINE AND RETRIEVE WIRELINE STEEL AND RODS WITH COREBIT CENTER
	2:00 - 2:30	0.50	DRLIN1	05	A	P	5893	CIRCULATE SURFACE TO BIT TO CLEAN PIPE & LATCH ASSEMBLY
	2:30 - 3:30	1.00	DRLIN1	04	A	P	5893	PAU 90' CORE BARREL#3 ,PUMP DOWN AND LATCH ONTO SEAT

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

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UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	3:30 - 18:00	14.50	DRLIN1	04	A	P	5893	CORE F/5893 TO 5986 =93 AVG 6.5' HR BIT WT 5-10K,RPM 45,STKS 62,PSI 810,GPM 280,PU 165 RO 155 SO 145,TORQ 1700-4500 HOVEENWEEP SHALE/LOWER ISMAY NOV/SWACO OFF LINE
	18:00 - 23:30	5.50	DRLIN1	04	A	P	5986	PJSM W/ALL PERSONNEL FOR UP COMING INNER CORE BARREL RETRIEVAL,SHEAR CORE @ 30K / PULLED 1 STAND BACK /R/U & TIH F/SURFACE WITH WIRELINE / ENGAGEDCORE BARREL TOH W/INNER CORE BARREL F/5986 T/2,962' W/2,000 LBS WIRELINE WEIGHT @ 50 FPH / STOPPED 15 MINS TO ALLOW FOR GAS EXPANSION / TOH F/2,962' T/ 618' W/2,000 LBS WIRELINE WEIGHT @ 25.0 FPM / STOPPED 30 MINS TO ALLOW FOR GAS EXPANSION / TOH F/618' T/SURFACE'
	23:30 - 0:00	0.50	DRLIN1	07	A	P	5986	RIG SERVICE(CHANGE GRABBER DIES)
9/30/2013	0:00 - 1:00	1.00	DRLIN1	04	A	P	5986	BREAK CIRCULATION THRU CORE BIT,R/U AND PUMP DOWN 90' OF CORE RUN #4,LATCH SAME IN BIT
	1:00 - 11:00	10.00	DRLIN1	04	A	P	5986	CORE F/5986 TO 6079 =93 AVG 9.3 HR BIT WT 5-10K,RPM 45,STKS 62,PSI 810,GPM 280,PU 165 RO 155 SO 145,TORQ 1700-4500 GOTHIC TOP 6002 NOV/SWACO OFF LINE
	11:00 - 17:00	6.00	DRLIN1	04	A	P	6079	PJSM W/ALL PERSONNEL FOR UP COMING INNER CORE BARREL#4 RETRIEVAL, SHEAR CORE @ 32K / PULLED 1 STAND BACK /R/U & TIH F/SURFACE WITH WIRELINE / ENGAGEDCORE BARREL TOH W/INNER CORE BARREL F/6079 TO/2,950 W/2,000 LBS WIRELINE WEIGHT @ 50 FPH / STOPPED 15 MINS TO ALLOW FOR GAS EXPANSION / TOH F/2,962' T/ 618' W/2,000 LBS WIRELINE WEIGHT @ 25.0 FPM / STOPPED 30 MINS TO ALLOW FOR GAS EXPANSION / TOH F/618' T/SURFACE'@16' MIN, ,92.45' OF CORE RECOVERED(REMAINDER OF GOTHIC AND 16'+- OF DESERT CREEK)
	17:00 - 18:00	1.00	DRLIN1	04	A	P	6079	BREAK CIRCULATION THRU CORE BIT,R/U AND PUMP DOWN 90' OF CORE RUN #5,LATCH SAME IN BIT
	18:00 - 0:00	6.00	DRLIN1	04	A	P	6079	CORE F/6079 TO 6118 =39 AVG 6.5 HR BIT WT 5-10K,RPM 45,STKS 62,PSI 810,GPM 280,PU 165 RO 155 SO 145,TORQ 1700-4500 MUD WT 9.1+/45 VIS NOV/SWACO OFF LINE
10/1/2013	0:00 - 7:30	7.50	DRLIN1	04	A	P	12,842	CORE F/6118 TO 6172' =54 AVG 7 HR BIT WT 5-10K,RPM 45,STKS 62,PSI 810,GPM 280,PU 165 RO 155 SO 145,TORQ 1700-4500 MUD WT 9.1+/45 VIS AKAH TOP @6160 NOV/SWACO OFF LINE

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:30 - 13:30	6.00	DRLIN1	04	A	P	12,896	PJSM W/ALL PERSONNEL FOR UP COMING INNER CORE BARREL#5 RETRIEVAL, SHEAR CORE @ 24K / PULLED 1 STAND BACK /R/J & TIH F/SURFACE WITH WIRELINE / ENGAGEDCORE BARREL TOH W/INNER CORE BARREL F/6172 TO/2,950 W/2,000 LBS WIRELINE WEIGHT @ 50 FPH / STOPPED 15 MINS TO ALLOW FOR GAS EXPANSION / TOH F/2,962' T/ 618' W/2,000 LBS WIRELINE WEIGHT @ 25.0 FPM / STOPPED 30 MINS TO ALLOW FOR GAS EXPANSION / TOH F/618' T/SURFACE'@16' MIN, .93 OF CORE RECOVERED(REMAINDER OF DESERT CREEK TO AKAH)
	13:30 - 16:00	2.50	DRLIN1	04	A	P	6724	R/J AND PUMP DOWN DRILL ROD,RIG DOWN COREING WIRELINE,MAKE UP STAND OF DRILL PIPE
	16:00 - 19:30	3.50	DRLIN1	02	A	P	12,896	DRILL F/6172' TO 6237 =65 AVG 18 HR BIT WT 10-19K,RPM 45,STKS 90,PSI 950,GPM 410,PU 170 RO 160 SO 150,TORQ 1700-4500 MUD WT 9.3/45 VIS AKAH TOP @6160 NOV/SWACO OFF LINE HIT SALT@6194'
	19:30 - 20:30	1.00	DRLIN1	05	F	P	12,961	PUMP SWEEP AND CIRCULATE BOTTOMS UP,FOR SHORTTRIP
	20:30 - 21:30	1.00	DRLIN1	06	E	P	12,961	FLOW/CHECK/NO FLOW,SHORTTRIP 10 STANDS BACK TO 5312',NO PROBLEMS,TIH
	21:30 - 22:30	1.00	DRLIN1	05	C	P	12,961	PUMP HI VIS SWEEP,CIRCULATE BOTTOMS UP TWICE 90STKS,980 PSI,BUILD PILL,PJSM FOR TRIP OUT FOR LOGS
	22:30 - 0:00	1.50	DRLIN1	06	A	P	12,961	FLOW CHECK /PUMP DRY PILL POOH F/LOGS TO 2200,NO TIGHT HOLE
10/2/2013	0:00 - 2:30	2.50	DRLIN1	06	A	P	2200	TRIP OUT W/ CORE BHA,L/D BHA
	2:30 - 3:00	0.50	DRLIN1	07	A	P	0	RIG SERVICE
	3:00 - 9:00	6.00	DRLIN1	11	D	P	0	PJSM RIG UP SCHLUMBERGER/RUN LOG RUN #1 TO LOGGERS DEPTH 6246(PEX-AIT)LOG OUT
	9:00 - 13:00	4.00	DRLIN1	11	D	P		RUN SUITE #2 WITH CMR & ADT & LR
	13:00 - 23:00	10.00	DRLIN1	11	D	P		RUN SUITE # 3 FMI ECS HNGS
	23:00 - 0:00	1.00	DRLIN1	11	D	P		RUN SUITE #4 SONIC SCANNER
10/3/2013	0:00 - 8:30	8.50	DRLIN1	11	D	P	0	SCHLUMBERGER E-LOGS SUITE #4 FMI
	8:30 - 16:30	8.00	DRLIN1	11	D	P	0	RUN SUITE #5 SONIC SCANNER
	16:30 - 20:00	3.50	DRLIN1	06	E	P	0	PJSM P/U BIT & MTR MAKE WIPER RUN F/ SEISMIC HOWCO LOG
	20:00 - 22:30	2.50	DRLIN1	21	B	W	2120	WAITING FOR EXCESS WINDS TO CALM. WIND BLOWING TOP DRIVE INTO TRACKING SYSTEM W/RISK OF TRACK FAILURE
	22:30 - 23:00	0.50	DRLIN1	06	E	P	2120	TRIP IN HOLE
	23:00 - 23:30	0.50	DRLIN1	07	A	P	3300	RIG SERVICE
	23:30 - 0:00	0.50	DRLIN1	06	E	P	3300	TRIP IN HOLE
10/4/2013	0:00 - 1:30	1.50	DRLIN1	06	E	P	3300	TRIP IN HOLE F/ WIPER TRIP TO 6122' NO PROBLEMS
	1:30 - 2:00	0.50	DRLIN1	03	D	P	6122	WASH F/6122' TO 6237',NO FILL NO PROBLEMS IN SALT

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	2:00 - 3:00	1.00	DRLIN1	05	C	P	6237	CIRCULATE BOTTOMS UP, 1/10 CUT,196 UNITS GAS ,90 STKS 750 PSI
	3:00 - 7:00	4.00	DRLIN1	06	E	P	6237	TRIP OUT FV/SP LOGS W/HOWCO,L/D BIT & MUD MTR/NO TIGHT HOLE
	7:00 - 15:00	8.00	DRLIN1	11	C	P	0	SAFETY MEET WITH HOWCO & RIG CREW,R/U SHIVES AND WIRE LINE RUN IN HOLE W/VSP LOGGING TOOLS,LOG OUT & SEISMIC AT 50' INTERVALS F/6200' OUT TO 1500',RIG DOWN HOWCO
	15:00 - 23:30	8.50	DRLIN1	06	J	P	0	SAFETY MEET W/ ALL PERSONEL,PICK UP 785' 2.875 TUBING,CHANGE ELEVATORS,P/U UBHO SUB ,CROSSOVER,WHIPSTOCK AND ACCESORIES,TRIP IN HOLE @45' MIN W/DP TO 5347' WHIPSTOCK TOP,FILL AT 3550'
	23:30 - 0:00	0.50	DRLIN2	05	I	P		CIRCULATE THRU WHIPSTOCK@35 STROKES/MINUTE 135 GPM 400 PSI
10/5/2013	0:00 - 1:00	1.00	DRLIN1	05	I	P	5347	PJSM &PROCEDURE ON WHIP STOCK CIRCULATE THRU WHIPSTOCK@35 STROKES/MINUTE 135 GPM 400 PSI
	1:00 - 1:30	0.50	DRLIN2	10	C	P	5347	FINISH RIGGING UP WIRELINE
	1:30 - 4:00	2.50	DRLIN2	10	C	P	5347	PJSM / RIG UP TO RUN GYRO WITH GYRO DATARUN /GYRO ON WIRE LINE THRU TOPDRIVE,ORIENTATE TOOL FACE TO (353) DEGREES,R/D WIRELINE
	4:00 - 4:30	0.50	DRLIN1	06	J	P		CHANGE OUT BAILS FOR CEMENT JOB
	4:30 - 5:00	0.50	DRLIN1	06	J	P	5347	PRE JOB SAFETY ,DROP BALL,DEPLOY ANCHOR AT 3300 PSI,WST TOP @ 5347' MD,PUSH/PULL TEST THREE TIMES @ 30K BOTH WAYS .DROP SECOND BALL PRESSURE UP AND SHEAR OUT OF BURST BARREL AND SHEAR LATCH AT 3200 PSI,VERIFIED RELEASE AND PREP FOR CEMENT JOB
	5:00 - 7:30	2.50	DRLIN1	12	F	P	5347	PJSM,R/U HALLIBURTON ,PUMP 2 BBLS AHEAD TEST LINES 5060, PUMP 15 BBL WT SPACER AT 10.5# PUMP THEN 73 BBLS 13.5# 1.58 YLD 7.83 GAL/SK MIX WATER PUMP 5 BBLS SPACER BEHIND DISPLACE 100 BBLS ,SHUT DOWN PUMP,WELL RETURNED 9 BBLS TO TRUCK TO BALANCE,FLOW CHECK /NO FLOW AT SHAKER
	7:30 - 10:00	2.50	DRLIN1	06	J	P	5347	PULL 2 STNDS & X DP BACK TO 5136'(DRY PIPE)CIRCULATE WITH RIG PUMP@200 GPM 45 STKS 410 PSI CHANGE BAILS OUT,BLOW DOWN AND RIG DOWN HALLIBURTON LINES
	10:00 - 15:00	5.00	DRLIN1	06	J	P	5136	TOOH SLM WITH WHIPSTOCK SETTING ASSEMBLY AND LAYDOWN SAME
	15:00 - 21:30	6.50	DRLIN2	06	A	P	2141	SCRIBE DIR TOOLS,P/U & TIH W/8.75" TRI-CONE BIT - BHA # 4 TIH TO' T/5144 / NO HOLE ISSUES / HOLE DISPLACED PROPERLY / FILLED DP EVERY 25 STDS

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	21:30 - 22:30	1.00	DRLIN2	02	E	P	5144	ROTATE DRILLED CEMENT F/ 5144 TO 5321, SLIDE DRILL F/5321 T/ TOP DRIVE RPM 30 / SPM 90 / GPM 405 / PUMP PRESSURE ON/OFF BTM / 700 - 500 / TORQUE ON/OFF BTM 900 - 300 PICK UP WT 166,000 / SLACK OFF WT 134,000 / ROT WT 151,000 / NO FLUIDS LOST / MUD WT 9.4 VIS 50 / NOV-D ON LINE / SWACO OFF LINE SPR W/MUD PUMP # 1@ 5,325 W/MWT 9.4 PPG ,40 SPM @ 460 PSI 50 SPM @ 565 PSI 60 SPM @ 670 PSI
	22:30 - 0:00	1.50	DRLIN2	02	K	P	5321	CURVE - DIRECTIONAL DRILLED F/5,321 TO 5434 / TOP DRIVE RPM 30 / SPM 80 / GPM 360 / PUMP PRESSURE ON/OFF BTM / 1,005 - 500 / TORQUE ON/OFF BTM 900 - 300 ft. / lbs. / PICK UP WT 163,000 / SLACK OFF WT 142,000 / ROT WT 152,000 / NO FLUIDS LOST / MUD WT 9.4 VIS 55 / NOV-D ON LINE / SWACO OFF LINE SLIDE DRILL.
10/6/2013	0:00 - 7:00	7.00	DRLIN2	02	D	P	5348	CURVE - DIRECTIONAL DRILLED F/5348 TO 5441 / TOP DRIVE RPM 30 / SPM 80 / GPM 360 / PUMP PRESSURE ON/OFF BTM / 850/750 / TORQUE ON/OFF BTM 2900/1700 PICK UP WT 163,000 / SLACK OFF WT 142,000 / ROT WT 152,000 / NO FLUIDS LOST / MUD WT 9.3 VIS 43 NOV-D ON LINE / SWACO OFF LINE SLIDE DRILL. 100% 90% FORMATION 10% CEMENT
	7:00 - 12:00	5.00	DRLIN2	06	A	P	5441	FLOW CHECK/NO FLOW,BUILD & PUMP DRY PILL,TOOH F/ BIT BHA CHANGE,NO TIGHT HOLE,PROPER FILL ON TRIP
	12:00 - 18:00	6.00	DRLIN2	06	A	P	0	CHANGE BIT,INSTALL DP506 TRIP IN HOLE,FILL PIPE@2200,4150 '
	18:00 - 20:00	2.00	DRLIN2	02	D	P	5441	CURVE - DIRECTIONAL DRILLED F/5441 TO /5446 TOP DRIVE RPM 30 / SPM 80 / GPM 360 / PUMP PRESSURE ON/OFF BTM / 850/750 / TORQUE ON/OFF BTM 2900/1700 PICK UP WT 163,000 / SLACK OFF WT 142,000 / ROT WT 152,000 / NO FLUIDS LOST / MUD WT 9.3 VIS 43 NOV-D ON LINE / SWACO OFF LINE SLIDE DRILL. % ROTATE & DRILL % 90% FORMATION 10% CEMENT MUD MTR DIFFERENTIAL SPIKING
	20:00 - 0:00	4.00	DRLIN2	06	H	Z	5446	WEATHERFORD MUD MOTOR FAILURE. TRIP OUT & CHANGE OUT MOTOR.
10/7/2013	0:00 - 1:00	1.00	DRLIN2	06	A	P	0	SCRIBE TOOLS TRIP IN TO 1155'
	1:00 - 2:00	1.00	DRLIN2	09	A	P	1155	JSA SLIP & CUT DRILL LINE 85'
	2:00 - 4:30	2.50	DRLIN2	06	A	P	1155	TRIP IN HOLE F/1155 TO 5441
	4:30 - 6:00	1.50	DRLIN2	22	A	X	5441	WORK STUCK PIPE FREE @ 5441'
	6:00 - 9:30	3.50	DRLIN2	22	O	X	5441	WASH AND REAM TO BOTTOM,MOTOR SPIKING,EXCESS TORQUE ON BOTTOM,WRAPPING UP TO 6.5K AND ROLLING OVER,OFF BOTTOM TORQ 3.3K

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	9:30 - 15:30	6.00	DRLIN2	06	A	X	5446	PULL ABOVE WHIPSTOCK NO PROBLEMS, FLOW CHECK /NO FLOW ,PUMP PILL AND TOOH F/MILL RUN
	15:30 - 16:00	0.50	DRLIN2	06	J	X	0	PULL WEARBUSHING,INSPECT & INSTALL
	16:00 - 20:30	4.50	DRLIN2	06	I	X	0	MAKE UP 8.5 MILL, TIH
	20:30 - 0:00	3.50	DRLIN2	22	O	X	5446	SLIDE MILL FROM ABOVE WHIPSTOCK @ 5305 TO BTM@ 5446, HOLE SLICK, NO TIGHT SPOTS, MILL W/12-18 RPM, 2-8 WT ON MILL.
10/8/2013	0:00 - 3:00	3.00	DRLIN2	22	O	X	5449	MILL ON JUNK #1 MADE 2' WORK MILL ,PUMP SWEEPS
	3:00 - 6:00	3.00	DRLIN2	06	J	X	5449	PUMP PILL, TOOH ,L/D MILL #1 AND X/O SUBS
	6:00 - 10:00	4.00	DRLIN2	06	J	X	0	CHANGE MILLS,CROSS OVERS,TIH,FILL AT 2300'
	10:00 - 14:30	4.50	DRLIN2	22	O	X	5449	MILL ON JUNK & WORK MILL & PUMP,WT ON MILL 3-12K, 20-30 RPM, 75 STKS 415 PSI, PUMP HI VIS SWEEPS,MADE 2.5'
	14:30 - 18:30	4.00	DRLIN2	06	J	X	5452	TRIP OUT W/ MILL #2,NO TIGHT HOLE/PROPER FILL AMOUNT
	18:30 - 21:30	3.00	DRLIN2	06	J	X	0	MAKE UP 8.75 TRI-CONE 3 TYPE BIT, TIH.
	21:30 - 0:00	2.50	DRLIN2	22	O	X	5452	ROTATE & SLIDE WITH 3 TYPE TRI-CONE BIT. EXCESSIVE TORQUE AT BIT. WILL NOT ROTATE CONT, BIT HANGING UP. MADE SEVERAL RUNS WITH SAME RESULT.
10/9/2013	0:00 - 2:30	2.50	DRLIN2	02	A	X	5452	ATTEMPTED TO DRILL WITH TRI-CONE BIT,BIT TORQUING UP ON BOTTOM,EVERY TIME ,STILL ON JUNK
	2:30 - 5:30	3.00	DRLIN2	05	F	X	5452	MAKE CALLS,DECISION MADE TO PLUG BACK/ F/CEMENT WHIPSTOCK,CALL FOR TUBING AND ELEVATORS,PULL 180' CIRCULATE ABOVE WHIPSTOCK
	5:30 - 10:30	5.00	DRLIN2	06	A	X	5270	TRIP OUT OF HOLE,STAND BACK DIRECTIONAL TOOLS,P/U SINGLE OFF RACK TO STAND BACK MWD
	10:30 - 11:00	0.50	DRLIN2	07	A	P	0	DAILY RIG SERVICE
	11:00 - 17:00	6.00	DRLIN2	21	D	X	0	PJSM /JSA WAIT ON TUBING AND ELEVATORS,F/PLUGBACK,CHECK EQUIPMENT AND FOUND WRONG ELEVATORS SIZE,FOUND ANOTHER SET AND WAITED FOR SAME,MONITOR WELLBORE,STRAP TUBING AND PREP FOR TRIP IN
	17:00 - 21:30	4.50	DRLIN2	06	J	P	0	TRIP IN HOLE W/(502')2.875 TUBING,(4848') DP=50 STANDS & DOUBLE TO 5350' TUBING DEPTH
	21:30 - 22:00	0.50	DRLIN2	05	A	P	5350	CIRCULATE PRIOR TO CEMENT PLUG BACK
	22:00 - 23:30	1.50	DRLIN2	12	F	P	5350	PJSM,R/U HALLIBURTON, PUMP 2 BBLS AHEAD TEST LINES 3000, PUMP 15 BBL TUNED SPACER AT 10.5# THEN PUMP 41 BBLS 17.5# 0.94 YLD 3.35 GAL/SK MIX WATER, PUMP 5 BBLS TUNED SPACER BEHIND, DISPLACE 94.5 BBLS, SHUT DOWN PUMPS, NO FLOW TO TRUCK TO BALANCE, FLOW CHECK /NO FLOW
	23:30 - 0:00	0.50	DRLIN2	06	C	P	5350	TOOH 20 STANDS, F/5,350' - T/3,372' / BREAK CIRCULATION
10/10/2013	0:00 - 0:30	0.50	DRLIN2	12	B	P	3372	RIG DOWN HALLIBURTON CEMENTERS / WHILE CIRCULATING

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

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Start Date: 9/2/2013

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UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	0:30 - 2:30	2.00	DRLIN2	06	C	P	3372	TOOH F/3,372' - T/502' / FLOW CHECK @ SHOE / X/O 5.5" ELEVATORS T/2 7/8" / LAY DOWN 16 JTS 2 7/8" KNIGHT TUBING
	2:30 - 3:00	0.50	DRLIN2	06	E	P	0	RIG DOWN 2 7/8" TUBING EQUIPMENT
	3:00 - 6:00	3.00	DRLIN2	06	A	P	0	PAJ #9 BHA - REED 8 3/4" TRI-CONE BIT - MUD MOTOR AND DIRECTIONAL TOOLS / TIH F/SURFACE - T/2,435' - 14 STANDS PUSH PIPE - 10 STANDS 5.5" HWDP / INSTALL ROTATING HEAD / BREAK CIRCULATION - BTMS UP @ 2,435'
	6:00 - 7:30	1.50	DRLIN2	06	A	P	2435	TIH F/2,435' - T/4,404' WITH #9 BHA
	7:30 - 15:00	7.50	DRLIN2	05	I	P		BREAK CIRCULATION HOURLY / WHILE ROTATING @ 20 RPM / WAITING ON CEMENT
	15:00 - 15:30	0.50	DRLIN2	07	A	P	4404	RIG SERVICE @ 4,404'
	15:30 - 18:00	2.50	DRLIN2	05	I	P	4404	BREAK CIRCULATION HOURLY / WHILE ROTATING @ 20 RPM & RECIPROCATING PIPE / WAITING ON CEMENT
	18:00 - 19:00	1.00	DRLIN2	06	A	P	4404	TIH F/4,404' - T/4,775' / TAG CEMENT @ 4,775'
	19:00 - 19:30	0.50	DRLIN2	02	B	P	4475	DRILL OUT GREEN CEMENT F/4,775' - T/4,818' / CIRCULATE BTMS UP AND CLEAN HOLE
	19:30 - 0:00	4.50	DRLIN2	13	A	P	4818	WAIT ON CEMENT
10/11/2013	0:00 - 0:30	0.50	DRLIN2	02	B	P	4818	DRILL AND DRESS CEMENT F/4,818' - T/4,900' / CALL FOR ORDERS
	0:30 - 2:30	2.00	DRLIN2	13	A	P	4900	WAIT ON CEMENT @ 4,900'
	2:30 - 3:00	0.50	DRLIN2	02	B	P		DRILL AND DRESS CEMENT F/4,900' - T/4,950' / CALL FOR ORDERS
	3:00 - 5:00	2.00	DRLIN2	13	A	P		WAIT ON CEMENT @ 4,950'
	5:00 - 6:00	1.00	DRLIN2	02	B	P		DRILL CEMENT T/4,957' / TOUGH CEMENT
	6:00 - 18:00	12.00	DRLIN2	02	G	P		TIME DRILL FOR KICK OFF F/4,957' - T/4,960' / SLID F/4,960' - T/4,991' / WOB 24K 66 STROKES @ 301 GPM / SSP 415PSI
	18:00 - 21:00	3.00	DRLIN2	02	D	P		SLID F/4,991' - T/ 5,013' 22' @ 7 FPH WOB 32K MUD MOTOR RPM 100 PUMPS 80 SPM = 360 GPM PUMP PRESSURE ON/OFF BTM 533 TORQUE ON/OFF BTM 350/0 PICK UP WT 175,000 SLACK OFF WT 142,000 ROT WT 151,000 ~ 24K DRAG SLID 22' IN 180 MINS. 100 % OF FOOTAGE DRILLED, 100% OF HRS DRILLED 5.25 DEG. 277.84 AZI NO FLUID LOST MUD WT 9.2 VIS 48 SWACO OFF LINE SAMPLES 100% FORMATION
	21:00 - 23:30	2.50	DRLIN2	06	A	P		TOOH FOR BIT / FLOW CHECK / HOLE TOOK PROPER FLUID (CHANGE OUT REED TRI-CONE TO HUGHES PDC)
	23:30 - 0:00	0.50	DRLIN2	07	A	P		RIG SERVICE @ SURFACE
10/12/2013	0:00 - 2:30	2.50	DRLIN1	06	A	P	0	TIH WITH BHA # 10 & PDC BIT WITH NO PROBLEMS TO 5,013'

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	2:30 - 6:00	3.50	DRLIN1	02	D	P	5013	DRILL 8 3/4" BUILD SECTION FROM 5,013' TO 5,125' = 112' @ 32 FPH WOB 15,000 TOP DRIVE RPM 20 MUD MOTOR RPM 113 PUMPS 110 SPM = 495 GPM PUMP PRESSURE ON/OFF BTM 1300/930 TORQUE ON/OFF BTM 5,000/ 3,000 PICK UP WT 156,000 SLACK OFF WT 145,000 ROT WT 150,000 SLIDE 20' IN 75 MINS. 17.86% OF FOOTAGE DRILLED, 25% OF HRS DRILLED NO FLUIDS LOST MUD WT 9.2 VIS 40 NOV - OFF LINE SWACO OFF LINE
	6:00 - 20:30	14.50	DRLIN1	02	D	P	5125	DRILL 8 3/4" BUILD SECTION FROM 5,125' TO 5,684' = 559' @ 38.5 FPH WOB 15,000 TOP DRIVE RPM 20 MUD MOTOR RPM 113 PUMPS 124 SPM = 558 GPM PUMP PRESSURE ON/OFF BTM 1473/1184 TORQUE ON/OFF BTM 6,000/ 3,000 PICK UP WT 172,000 SLACK OFF WT 146,000 ROT WT 158,000 SLIDE 124' IN 265 MINS. 22.18% OF FOOTAGE DRILLED, 30.45% OF HRS DRILLED NO FLUIDS LOST MUD WT 9.5 VIS 50 NOV - OFF LINE SWACO OFF LINE
	20:30 - 21:00	0.50	DRLIN1	07	A	P	5684	RIG SERVICE @ 5,684'
	21:00 - 0:00	3.00	DRLIN1	02	D	P	5684	DRILL 8 3/4" CURVE SECTION FROM 5,684' TO 5,792' = 108' @ 36 FPH WOB 15,000 TOP DRIVE RPM 20 MUD MOTOR RPM 113 PUMPS 124 SPM = 558 GPM PUMP PRESSURE ON/OFF BTM 1562/1222 TORQUE ON/OFF BTM 8,000/ 3,000 PICK UP WT 175,000 SLACK OFF WT 150,000 ROT WT 160,000 SLIDE 37' IN 85 MINS. 34.26% OF FOOTAGE DRILLED, 40.48% OF HRS DRILLED NO FLUIDS LOST MUD WT 9.6 VIS 50 NOV - OFF LINE SWACO OFF LINE

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
10/13/2013	0:00 - 6:00	6.00	DRLIN1	02	D	P	5792	DRILL 8 3/4" CURVE SECTION FROM 5,792' TO 5,970' = 178' @ 29.66 FPH WOB 15,000 TOP DRIVE RPM 20 MUD MOTOR RPM 113 PUMPS 124 SPM = 558 GPM PUMP PRESSURE ON/OFF BTM 1650/1250 TORQUE ON/OFF BTM 7,000/ 3,000 PICK UP WT 175,000 SLACK OFF WT 150,000 ROT WT 160,000 SLIDE 100' IN 235 MINS. 56.18% OF FOOTAGE DRILLED, 78.33% OF HRS DRILLED NO FLUIDS LOST MUD WT 9.7 VIS 48 NOV - OFF LINE SWACO OFF LINE
	6:00 - 16:30	10.50	DRLIN1	02	D	P	5970	DRILL 8 3/4" CURVE SECTION FROM 5,970' TO 6,255' = 285' @ 27.14 FPH WOB 22,000 TOP DRIVE RPM 20 MUD MOTOR RPM 113 PUMPS 124 SPM = 558 GPM PUMP PRESSURE ON/OFF BTM 1650/1250 TORQUE ON/OFF BTM 8,000/ 3,000 PICK UP WT 178,000 SLACK OFF WT 150,000 ROT WT 161,000 SLIDE 11' IN 30 MINS. 11.46% OF FOOTAGE DRILLED, 16.67% OF HRS DRILLED NO FLUIDS LOST MUD WT 9.8 VIS 48 NOV - OFF LINE SWACO OFF LINE
	16:30 - 17:00	0.50	DRLIN1	07	A	P	6255	SERVICE RIG @ 6,255'
	17:00 - 20:00	3.00	DRLIN1	02	D	P	6255	DRILL 8 3/4" CURVE SECTION FROM 6,255' TO 6,351' = 96' @ 32 FPH WOB 22,000 TOP DRIVE RPM 20 MUD MOTOR RPM 113 PUMPS 124 SPM = 558 GPM PUMP PRESSURE ON/OFF BTM 1650/1250 TORQUE ON/OFF BTM 8,000/ 3,000 PICK UP WT 178,000 SLACK OFF WT 150,000 ROT WT 161,000 SLIDE 11' IN 30 MINS. 11.46% OF FOOTAGE DRILLED, 16.67% OF HRS DRILLED NO FLUIDS LOST MUD WT 9.8 VIS 48 NOV - OFF LINE SWACO OFF LINE
	20:00 - 22:00	2.00	DRLIN1	22	L	Z	6160	RELOG FROM 6,160' TO 6,351' GAMMA SPIKING *** RELOG ***

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	22:00 - 0:00	2.00	DRLIN1	02	D	P	6351	DRILL 8 3/4" CURVE SECTION FROM 6,351' TO 6,382' = 31' @ 15.5 FPH WOB 22,000 TOP DRIVE RPM 20 MUD MOTOR RPM 113 PUMPS 124 SPM = 558 GPM PUMP PRESSURE ON/OFF BTM 1650/1250 TORQUE ON/OFF BTM 8,000/ 3,000 PICK UP WT 178,000 SLACK OFF WT 150,000 ROT WT 161,000 SLIDE 12' IN 40 MINS.38.71% OF FOOTAGE DRILLED, 19.05% OF HRS DRILLED NO FLUIDS LOST MUD WT 9.8 VIS 48 NOV - OFF LINE SWACO OFF LINE
10/14/2013	0:00 - 3:30	3.50	DRLIN1	02	D	P	6382	DRILL 8 3/4" CURVE FROM 6,382' TO 6,450' = 68' @ 19.42 FPH WOB 22,000 TOP DRIVE RPM 20 MUD MOTOR RPM 113 PUMPS 124 SPM = 558 GPM PUMP PRESSURE ON/OFF BTM 1650/1250 TORQUE ON/OFF BTM 8,000/ 4,000 PICK UP WT 178,000 SLACK OFF WT 151,000 ROT WT 161,000 SLIDE 30' IN 105 MINS.19.48% OF FOOTAGE DRILLED, 24.14% OF HRS DRILLED NO FLUIDS LOST MUD WT 9.9 VIS 48 NOV - OFF LINE SWACO OFF LINE
	3:30 - 4:30	1.00	DRLIN1	05	E	P	6450	CIRCULATE SAMPLES FOR GEOLIGIST
	4:30 - 7:00	2.50	DRLIN1	02	D	P	6450	DRILL 8 3/4" CURVE FROM 6,450' TO 6,536' TD = 86' @ 34.4 FPH WOB 22,000 TOP DRIVE RPM 20 MUD MOTOR RPM 113 PUMPS 110 SPM =495 GPM PUMP PRESSURE ON/OFF BTM 1240/940 TORQUE ON/OFF BTM 8,000/ 4,000 PICK UP WT 178,000 SLACK OFF WT 151,000 ROT WT 161,000 5' SLIDE NO FLUIDS LOST MUD WT 10 VIS 48 NOV - OFF LINE SWACO OFF LINE
	7:00 - 10:00	3.00	DRLIN1	05	C	P	6536	CIRCULATE AND RECIPRICATE 4 SURFACE TO SURFACE GAS SHOW ON BOTTOMS UP
	10:00 - 11:00	1.00	DRLIN1	06	A	P	6536	TOOH FROM 6536' TO 4,916' WITH NO PROBLEMS AT ALL

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	11:00 - 12:00	1.00	DRLIN1	05	C	P	4916	CIRULATE HOLE CLEAN @ 4,916' WITH NO GAS OR MUD CUT
	12:00 - 21:30	9.50	DRLIN1	06	A	P	4916	FLOW CHECK PUMP SLUG TOOH LAYING DOWN TUBULARS
	21:30 - 22:00	0.50	DRLIN1	14	B	P		CLEAN RIG FLOOR
	22:00 - 22:30	0.50	DRLIN2	14	B	P	0	PULL SWACO BEARING PACK AND PULL AND INSPECT WEAR BUSHING - REINSTALL BEARING PACK
	22:30 - 23:00	0.50	DRLIN2	12	A	P		CHANGE OUT SAVER SUB T/4 1/2" XH F/CRT TOOL / R/D ELEVATORS
	23:00 - 23:30	0.50	DRLIN2	07	A	P	0	RIG SERVICE
	23:30 - 0:00	0.50	DRLIN2	12	A	P	0	PJSM / RIG UP H&P CRT TOOL
10/15/2013	0:00 - 2:00	2.00	CSGIN1	12	A	P	0	CONTINUE TO RIG UP H&P CRT EQUIPMENT
	2:00 - 17:00	15.00	CSGIN1	12	C	P	0	RUN 7" 29# DOX P-110 CASING TO 6,513' LAND CASING WITH 120K , 162 JTS SHOE @ 6,513.77' FLOAT COLLAR @ 6,430.38'
	17:00 - 18:00	1.00	CSGIN1	12	A	P	6513	CIRULATE MEANWHILE RIG DOWN CASING EQUIPMENT & HOLD PJSM WITH HALLIBURTON & RIG UP CMT EQUIPMENT
	18:00 - 23:00	5.00	CSGIN2	12	A	P	6513	***CIRCULATE WAITING ON HALLIBURTON CEMENT X/O / REVIEW PJSM WITH HALLIBURTON***
	23:00 - 23:30	0.50	CSGIN2	12	E	P	6513	RIG UP HALLIBURTON CEMENTING EQUIPMENT
	23:30 - 0:00	0.50	CSGIN2	12	E	P	6513	TESTED CEMENT LINES T/2,500 PSI / DROPPED BOTTOM PLUG / PUMPED 20 BBLS WEIGHTED TUNED SPACER III / PUMPED 75.6 BBLS LEAD CEMENT - 1.93 YIELD - 220 SKS - 12.6 PPG CEMENT / PUMPED 88.9 BBLS TAIL CEMENT - YIELD 1.49 - 335 SKS - 13.5 PPG CEMENT / DROPPED TOP PLUG - PUMPED 238.6 BBLS - 9.8 PPG WBM - FINAL LIFT 1,004 PSI - BUMP PLUG 1,000 PSI OVER FINAL CIRCULATION LIFT = 2,015 PSI / HELD PRESSURE ON FLOAT F/5 MINS - RELEASED PRESSURE W/2.0 BBL FLOW BACK / R/DN HALLIBURTON CEMENT LINES & EQUIPMENT
10/16/2013	0:00 - 2:00	2.00	CSGIN2	12	E	P	6513	TESTED CEMENT LINES T/2,500 PSI / DROPPED BOTTOM PLUG / PUMPED 20 BBLS WEIGHTED TUNED SPACER III / PUMPED 75.6 BBLS LEAD CEMENT - 1.93 YIELD - 220 SKS - 12.6 PPG CEMENT / PUMPED 88.9 BBLS TAIL CEMENT - YIELD 1.49 - 335 SKS - 13.5 PPG CEMENT / DROPPED TOP PLUG - PUMPED 238.6 BBLS - 9.8 PPG WBM - FINAL LIFT 1,004 PSI - BUMP PLUG 1,000 PSI OVER FINAL CIRCULATION LIFT = 2,015 PSI / HELD PRESSURE ON FLOAT F/5 MINS - RELEASED PRESSURE W/2.0 BBL FLOW BACK / R/DN HALLIBURTON CEMENT LINES & EQUIPMENT / NO CEMENT TO SURFACE / LEAD CEMENT @ 1,547'
	2:00 - 2:30	0.50	CSGIN2	12	B	P	6513	RIG DOWN HALLIBURTON CEMENT EQUIPMENT
	2:30 - 3:00	0.50	CSGIN2	12	B	P	6513	FLUSH STACK / BLOW DOWN LINES
	3:00 - 4:30	1.50	CSGIN2	14	B	P	6513	LAY DOWN LANDING MANDREL HANGER / INSTALL 7" CAMERON PACK-OFF

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	4:30 - 6:00	1.50	CSGIN2	13	A	P	6513	WHILE WAITING ON CEMENT CLEANED RIG FLOOR / MOVED DIRECTIONAL TOOLS & BHA T/PIPE RACKS / WORKED ON MUD IN MUD PITS BY REDUCING MUD WT T/9.3 PPG / R/DN CRT / PERFORM RIG SERVICE
	6:00 - 9:30	3.50	CSGIN2	14	B	P	6513	CHANGE OUT 5.5" PIPE RAMS TO 4" / CHANGE OUT SAVER SUB / PIPE GUIDE / DRILLING ELEVATORS
	9:30 - 12:30	3.00	CSGIN2	15	A	P	6513	TEST CASING TO 895 PSI FOR 4,000 BHTP / TEST PIPE RAMS, TIW, AND DART VALVE TO 500 PSI LOW - 5,000 PSI HIGH
	12:30 - 22:30	10.00	CSGIN2	06	A	P	0	TIH WITH #11 BHA 6" SMITH BIT / 5" WEATHERFORD MUD MOTOR / TAG CEMENT @ 6,423'
	22:30 - 23:30	1.00	DRLPRO	02	F	P	6423	DRILL CEMENT & SHOE TRACK FROM 6,423' TO 6,513' CLEAN OUT RAT HOLE TO 6,536'
	23:30 - 0:00	0.50	DRLPRO	02	C	P		DRILL 6" LATERAL FROM 6,536' TO 6,563' = 27' @ 54 FPH WOB 22,000 TOP DRIVE RPM 30 MUD MOTOR RPM 113 PUMPS 55 SPM = 248 GPM PUMP PRESSURE ON/OFF BTM 1257/1010 TORQUE ON/OFF BTM 3,000/1,000 PICK UP WT 117,000 SLACK OFF WT 107,000 ROT WT 112,000 NO FLUIDS LOST MUD WT 9.5 VIS 48 NOV - OFF LINE SWACO OFF LINE
10/17/2013	0:00 - 1:00	1.00	DRLPRL	05	C	P	6563	CIRCULATE HOLE CLEAN @ 6,563' 2 BTM'S UP
	1:00 - 2:30	1.50	DRLPRL	06	A	P	6553	TOOH FROM 6,563' TO 4,900' WITH NO PROBLEMS
	2:30 - 3:30	1.00	DRLPRL	05	C	P	4900	CIRC HOLE CLEAN / NO GAS NO MUD CUT
	3:30 - 5:00	1.50	DRLPRL	06	A	P	4900	TOOH FROM 4,900' TO 1,450' WITH NO PROBLEMS
	5:00 - 6:00	1.00	DRLPRL	09	A	P	1450	PJSM SLIP & CUT 80' DRILL LINE (WHILE WAITING ON RSS/P TOOLS TO BE STRAPPED & PROGRAMED RIG SERVICE @ 1,450'
	6:00 - 6:30	0.50	DRLPRL	07	A	P	1450	
	6:30 - 8:30	2.00	DRLPRL	06	A	P	1450	TOOH SLOWLY WITH NO PROBLEMS - PROGRAMMING RSS/P TOOLS
	8:30 - 12:30	4.00	DRLPRL	06	A	P	0	INSTALLING SURFACE EQUIPMENT FOR RSS/P & CONTINUE PROGRAMMING SAME
	12:30 - 14:00	1.50	DRLPRL	06	A	P	0	PICK UP & MAKE UP RSS/P DIRECTIONAL TOOLS
	14:00 - 23:00	9.00	DRLPRL	06	A	P	0	TIH F/SURFACE - T/6,513' TIGHT THROUGH SHOE / WORKED AND REAMED T/6,563'

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

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UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	23:00 - 0:00	1.00	DRLPRL	02	D	P	6563	DRILL 6" LATERAL FROM 6,563' TO 6,579' = 16' @ 16 FPH ROTARY STEERING TOOL WOB 10,000 TOP DRIVE RPM 125 PUMPS 60 SPM = 270 GPM PUMP PRESSURE ON/OFF BTM 1400/1310 TORQUE ON/OFF BTM 5,000/3,000 PICK UP WT 120,000 SLACK OFF WT 107,000 ROT WT 111,000 NO FLUIDS LOST MUD WT 9.6 VIS 54 NOV - OFF LINE SWACO OFF LINE
10/18/2013	0:00 - 6:00	6.00	DRLPRL	02	C	P	6579	DRILL 6" LATERAL FROM 6,579' TO 6,727' = 148' @ 24.66 FPH ROTARY STEERING TOOL WOB 10,000 TOP DRIVE RPM 125 PUMPS 60 SPM = 270 GPM PUMP PRESSURE ON/OFF BTM 1400/1310 TORQUE ON/OFF BTM 5,000/3,000 PICK UP WT 120,000 SLACK OFF WT 107,000 ROT WT 111,000 NO FLUIDS LOST MUD WT 9.6 VIS 54 NOV - OFF LINE SWACO OFF LINE
	6:00 - 11:30	5.50	DRLPRL	02	C	P	6727	DRILL 6" LATERAL FROM 6,727' TO 6,893' = 166' @ 30.18 FPH ROTARY STEERING TOOL WOB 10,000 -14,000 TOP DRIVE RPM 125 PUMPS 67 SPM = 301 GPM PUMP PRESSURE ON/OFF BTM 1400/1310 TORQUE ON/OFF BTM 6,000/3,000 PICK UP WT 107,000 SLACK OFF WT 105,000 ROT WT 111,000 NO FLUIDS LOST MUD WT 9.7 VIS 54 NOV - OFF LINE SWACO OFF LINE
	11:30 - 12:00	0.50	DRLPRL	05	A	P	6893	CIRC & CLEAN HOLE FOR POSSIBLE TRIP- GO BACK TO DRILLING

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

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Start Date: 9/2/2013

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UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	12:00 - 23:30	11.50	DRLPRL	02	C	P	6893	DRILL 6" LATERAL FROM 6,893' TO 7,317' = 424' @ 36.8 FPH ROTARY STEERING TOOL WOB 10,000 - 21,000 TOP DRIVE RPM 100 PUMPS 67 SPM = 301 GPM PUMP PRESSURE ON/OFF BTM 1701/1658 TORQUE ON/OFF BTM 6,000/2,000 PICK UP WT 110,000 SLACK OFF WT 100,000 ROT WT 106,000 46' RIGHT 3' LOW NO FLUIDS LOST MUD WT 10.0 VIS 58 NOV - OFF LINE SWACO OFF LINE
	23:30 - 0:00	0.50	DRLPRL	07	A	P		RIG SERVICE @ 7,317'
10/19/2013	0:00 - 6:00	6.00	DRLPRL	02	C	P	7317	DRILL 6" LATERAL FROM 7,317' TO 7,519' = 202' @ 33.66FPH ROTARY STEERING TOOL WOB 14,000 - 21,000 TOP DRIVE RPM 100 PUMPS 67 SPM = 301 GPM PUMP PRESSURE ON/OFF BTM 1701/1658 TORQUE ON/OFF BTM 6,000/2,000 PICK UP WT 110,000 SLACK OFF WT 100,000 ROT WT 106,000 NO FLUIDS LOST MUD WT 10.0 VIS 58 NOV - OFF LINE SWACO OFF LINE
	6:00 - 18:00	12.00	DRLPRL	02	C	P	7519	DRILL 6" LATERAL FROM 7,519' TO 7,882' = 363' @ 30.25 FPH ROTARY STEERING TOOL WOB 14,000 - 23,000 TOP DRIVE RPM 100 PUMPS 67 SPM = 301 GPM PUMP PRESSURE ON/OFF BTM 1750/1740 TORQUE ON/OFF BTM 8,000/3,000 PICK UP WT 125,000 SLACK OFF WT 100,000 ROT WT 104,000 NO FLUIDS LOST MUD WT 10.0 VIS 58 NOV - OFF LINE SWACO OFF LINE
	18:00 - 18:30	0.50	DRLPRL	07	A	P	7882	RIG SERVICE @ 7,882'

US ROCKIES REGION

Operation Summary Report

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Spud Date: 9/18/2013

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	18:30 - 0:00	5.50	DRLPRL	02	D	P	7882	DRILL 6" LATERAL FROM 7,882' TO 8,089' = 207' @ 37.6 FPH ROTARY STEERING TOOL WOB 14,000 - 23,000 TOP DRIVE RPM 100 PUMPS 67 SPM = 302 GPM PUMP PRESSURE ON/OFF BTM 1710/1675 TORQUE ON/OFF BTM 7,000/3,000 PICK UP WT 120,000 SLACK OFF WT 100,000 ROT WT 105,000 2' HIGH 4.77' RIGHT OF TARGET NO FLUIDS LOST MUD WT 9.9 VIS 56 NOV - OFF LINE SWACO OFF LINE
10/20/2013	0:00 - 6:00	6.00	DRLPRL	02	C	P	8089	DRILL 6" LATERAL FROM 8,089' TO 8,342' =253' @ 42.1 FPH ROTARY STEERING TOOL WOB 14,000 - 23,000 TOP DRIVE RPM 100 PUMPS 67 SPM = 302 GPM PUMP PRESSURE ON/OFF BTM 1710/1675 TORQUE ON/OFF BTM 7,000/3,000 PICK UP WT 120,000 SLACK OFF WT 100,000 ROT WT 105,000 13.10 LEFT & 4.15 HIGH NO FLUIDS LOST MUD WT 9.9 VIS 56 NOV - OFF LINE SWACO OFF LINE
	6:00 - 18:00	12.00	DRLPRL	02	C	P	8342	DRILL 6" LATERAL FROM 8,342' TO 8,721' = 379' @ 31.5 FPH ROTARY STEERING TOOL WOB 14,000 - 23,000 TOP DRIVE RPM 100 PUMPS 67 SPM = 302 GPM PUMP PRESSURE ON/OFF BTM 1850/1840 TORQUE ON/OFF BTM 8,000/3,000 PICK UP WT 130,000 SLACK OFF WT 95,000 ROT WT 105,000 2' HIGH 20.15' LEFT OF LINE NO FLUIDS LOST MUD WT 10 VIS 53 NOV - OFF LINE SWACO OFF LINE

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

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UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	18:00 - 23:30	5.50	DRLPRL	02	C	P	8721	DRILL 6" LATERAL FROM 8,721' TO 8,914' = 193' @ 35.1 FPH ROTARY STEERING TOOL WOB 14,000 - 24,000 TOP DRIVE RPM 100 PUMPS 63 SPM = 284 GPM PUMP PRESSURE ON/OFF BTM 1897/1725 TORQUE ON/OFF BTM 9,000/4,000 PICK UP WT 112,000 SLACK OFF WT 91,000 ROT WT 102,000 9.6' HIGH 11.78' LEFT OF TARGET NO FLUIDS LOST MUD WT 10 VIS 53 NOV - OFF LINE SWACO OFF LINE
	23:30 - 0:00	0.50	DRLPRL	07	A	P		RIG SERVICE @ 8,914'
10/21/2013	0:00 - 6:00	6.00	DRLPRL	02	C	P	8914	DRILL 6" LATERAL FROM 8,914' TO 9133' = 219' @ 36.5 FPH ROTARY STEERING TOOL WOB 14,000 - 24,000 TOP DRIVE RPM 100 PUMPS 63 SPM = 284 GPM PUMP PRESSURE ON/OFF BTM 1975/1910 TORQUE ON/OFF BTM 9,000/3,000 PICK UP WT 108,000 SLACK OFF WT 91,000 ROT WT 101,000 7.64' HIGH 3.58' LEFT OF TARGET NO FLUIDS LOST MUD WT 10 VIS 56 NOV - OFF LINE SWACO OFF LINE
	6:00 - 18:00	12.00	DRLPRL	02	C	P	9133	DRILL 6" LATERAL FROM 9,133' TO 9,546' = 413' @ 34.4 FPH ROTARY STEERING TOOL WOB 14,000 - 24,000 TOP DRIVE RPM 100 PUMPS 63 SPM = 284 GPM PUMP PRESSURE ON/OFF BTM 2080/2020 TORQUE ON/OFF BTM 11,000/4,000 PICK UP WT 130,000 SLACK OFF WT 95,000 ROT WT 103,000 5.5' HIGH 8.41' LEFT OF TARGET NO FLUIDS LOST MUD WT 10 VIS 56 NOV - OFF LINE SWACO OFF LINE

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	18:00 - 23:30	5.50	DRLPRL	02	C	P	9546	DRILL 6" LATERAL FROM 9,546' TO 9,759' = 213' @ 38.7 FPH ROTARY STEERING TOOL WOB 14,000 - 24,000 TOP DRIVE RPM 100 PUMPS 63 SPM = 284 GPM PUMP PRESSURE ON/OFF BTM 2050/1995 TORQUE ON/OFF BTM 10,000/3,000 PICK UP WT 106,000 SLACK OFF WT 95,000 ROT WT 99,000 11.45' LEFT OF TARGET NO FLUIDS LOST MUD WT 10.1 VIS 56 NOV - OFF LINE SWACO OFF LINE
	23:30 - 0:00	0.50	DRLPRL	05	C	P	9759	CIRCULATE AND CONDITION WITH 4 SURFACE TO SURFACE VOLUMES PRIOR TO TOOH (RIG SERVICE)
10/22/2013	0:00 - 2:30	2.50	DRLPRL	05	C	P	9759	CIRCULATE 4 SURFACE TO SURFACE @ 9,759' TD WHILE RECIPROCATING NO MUD CUT / NO FLOW
	2:30 - 5:00	2.50	DRLPRL	06	A	P	9759	TOOH FROM 9,759' TO 4,875' WITH NO PROBLEMS
	5:00 - 6:00	1.00	DRLPRL	05	C	P	4875	CIRULATE BTM'S UP @ 4,875' WITH NO GAS OR MUD CUT FLOW CHECK WELL STATIC
	6:00 - 8:00	2.00	DRLPRL	06	A	P	4875	TOOH FROM 4,875' TO DIRECTIONAL TOOLS WITH NO PROBLEMS
	8:00 - 10:30	2.50	DRLPRL	06	A	P	102	LAY DOWN DIRECTIONAL TOOLS WITH WEATHERFORD
	10:30 - 15:30	5.00	DRLPRL	06	E	P	0	PICK UP & MAKE UP WEATHERFORD MUD MOTOR & BIT TIH TO 9,759 WITH NO PROBLEMS OR FILL
	15:30 - 17:00	1.50	DRLPRL	05	C	P	9759	CIRCULATE HOLE CLEAN @ 9,759' / PUMP SLUG
	17:00 - 20:00	3.00	DRLPRL	06	A	P	9759	TOOH T/4,781' VERTICAL SECTION
	20:00 - 21:00	1.00	DRLPRL	05	C	P	4781	CIRCULATE HOLE CLEAN @ 4,781' / FLOW CHECK / PUMP SLUG
	21:00 - 23:30	2.50	DRLPRL	06	A	P	4781	TOOH F/4,781 LAYING DOWN REAMER, MUD MOTOR AND BIT / FLOW CHECK
	23:30 - 0:00	0.50	DRLPRL	07	A	P	0	RIG SERVICE @ SURFACE
10/23/2013	0:00 - 2:30	2.50	CSGPRO	12	A	P	0	PJSM DRIFT TUBULARS IN DERRICK
	2:30 - 4:30	2.00	CSGPRO	12	A	P	0	PJSM RIG UP FRANKS CASING EQUIPMENT
	4:30 - 8:30	4.00	CSGPRO	12	C	P		RUN 4 1/2" 15.1# P-110 DQX LINER TO 2,999'
	8:30 - 10:30	2.00	CSGPRO	22	L	Z	2999	CHANGE OUT LOAD CELL & TROUBLE SHOOT TORQUE TURN CHANGE OUT TONGS(FRANKS CASING EQUIPMENT) *** TROUBLE SHOOT TORQUE TURN EQUIPMENT ***
	10:30 - 13:00	2.50	CSGPRO	12	C	P	2999	CONTINUE TO RUN 4 1/2" 15.1 DQX P-110 LINER FROM 2,999' TO 4,846'
	13:00 - 14:00	1.00	CSGPRO	12	A	P	4846	BREAK CIRCULATION & RIG DOWN FRANKS CASING EQUIPMENT
	14:00 - 15:00	1.00	CSGPRO	12	C	P	4846	MAKE UP X-O , PHR LINER HANGER , WHT PKR , POLISH BORE REC & RUNNING TOOL

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No: H&P 298/298

Event: DRILLING

Start Date: 9/2/2013

End Date: 10/25/2013

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	15:00 - 17:30	2.50	CSGPRO	12	C	P	4911	CONTINUE TO RUN 4 1/2" LINER ON 4" DRILL PIPE FROM 4,911' TO 9,759' WITH NO PROBLEMS TAG BOTTOM TWICE TO ENSURE BOTTOM RECORD PU WIEGHT 150 K /SO WIEGHTS 65K SPACE OUT TO 9,750' SHOE DEPTH TOL @ 4,877.90'
	17:30 - 19:00	1.50	CSGPRO	05	A	P	9750	CIRCULATE @ 40 SPM @ 870 PSI AS PER WEATHERFORD LINER HAND SURFACE TO SURFACE (MAX GAS 290 UNITS WITH NO MUD CUT)
	19:00 - 21:00	2.00	CSGPRO	12	C	P	9750	DROP BALL, PUMP DOWN AT 40 SPM. SEAT BALL AT 1600 PSI AND STAGE PRESSURE UP TO 2264 PSI WHEN BALL SEAT SHEARED EARLY AT 2264PSI INSTEAD OF 3600 PSI. DUE TO BALL SHEARING EARLY WAS UNABLE TO SET HANGER. PUSH LINER TO BOTTOM AND HOLD 20K WOB FOR CEMENTING. SHOE@ 9759' AND TOP OF LINER HANGER @ 4,886.9'.
	21:00 - 21:30	0.50	CSGPRO	12	B	P	9759	PJSM / RU HALLIBURTON AND PRESSURE TEST LINES TO 5000 PSI
	21:30 - 0:00	2.50	CSGPRO	12	E	P	9759	PUMPED 40 BBLs TUNED SPACER III / PUMPED 34.4 BBLs LEAD CEMENT / 1.53 YIELD / 135 SKS / 13.5 PPG CEMENT / PUMPED 59.8 BBLs TAIL CEMENT / YIELD 1.37 / 245 SKS - 13.5 PPG CEMENT / LAUNCHED DART PLUG / PUMPED 119 BBLs OF H2O DISPLACEMENT / FINAL LIFT 1792 PSI / DART DIDN'T LAND / PUMP 1 BBL MORE / STILL DIDNT LAND / TEST FLOATS / NOT HOLDING
10/24/2013	0:00 - 2:30	2.50	CSGPRO	12	E	P	9759	PLUG DID NOT BUMP / PUMP 1 BBL MORE EXTRA DISPLACEMENT / STILL DID NOT BUMP / CHECK FLOATS / NOT HOLDING / SIT ON CEMENT WITH 1200 PSI TO ALLOW TAIL TO SET UP / PULL OUT OF HANGER AND TEST WITH 2500 PSI
	2:30 - 3:30	1.00	CSGPRO	12	B	P	9759	RIG DOWN HALLIBURTON / MONITOR WELL / NO FLOW
	4:00 - 10:00	6.00	CSGPRO	21	A	S	9759	PULL 2 STANDS AT 4670'CIRCULATE WELL AND MONITOR FOR CEMENT & GAS@50 STKS/MIN,225 GPM,720 PSI,WASH 2 STNDS DOWN TO 4855',CIRCULATE BOTTOMS UP
	10:00 - 10:30	0.50	CSGPRO	05	G	P	9759	DISPLACE HOLE WITH 8.3 WATER AND MAGNITUDE 1480 STKS TILL FRESH BACK TO SHAKER
	10:30 - 11:00	0.50	CSGPRO	21	J	S	9759	MONITOR WELL FOR 30 MINUTES/NO FLOW,INSTALL WIPER RUBBER
	11:00 - 22:30	11.50	RDMO	06	J	P	9759	PRE JOB SAFETY MEET,LAYDOWN DRILL PIPE AND LINER STINGER,FLOW CHECKS EVERY 500',NO FLOW & PROPER AMOUNT TO FILL,TH WITH PIPE FROM DERRICK AND LAY DOWN SAME
	22:30 - 0:00	1.50	RDMO	14	A	P	9759	RD AND PULL ROTATE HEAD BEARING, ND BOP
10/25/2013	0:00 - 3:00	3.00	RDMO	14	A	P	9759	ND BOP
	3:00 - 6:00	3.00	RDMO	14	B	P	9759	REMOVE BIT GUIDE, INSTALL TUBING HEAD AND TEST TO 5000 PSI, RELEASE RIG

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	CEDAR POINT FEE 3526-16-1H	Wellbore No.	00
Well Name	CEDAR POINT FEE 3526-16-1H	Wellbore Name	CEDAR POINT FEE 3526-16-1H
Report No.	1	Report Date	5/8/2014
Project	UTAH-SAN JUAN	Site	CEDAR POINT FEE 3526-16-1H
Rig Name/No.		Event	COMPLETION
Start Date	5/19/2014	End Date	
Spud Date	9/18/2013	Active Datum	RKB @6,724.00usft (above Mean Sea Level)
UWI	SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0		

1.3 General

Contractor	HOLESEEKERS	Job Method		Supervisor	
Perforated Assembly		Conveyed Method			

1.4 Initial Conditions

Fluid Type		Fluid Density	
Surface Press		Estimate Res Press	
TVD Fluid Top		Fluid Head	
Hydrostatic Press		Press Difference	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	6,575.0 (usft)-9,508.0 (usft)	Start Date/Time	4/8/2014 12:00AM
No. of Intervals	47	End Date/Time	4/9/2014 12:00AM
Total Shots	416	Net Perforation Interval	104.00 (usft)
Avg Shot Density	4.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

Date	Formation/Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/9/2014 12:00AM	GOthic/			6,575.0	6,577.0	4.00		0.330	EXPENDABLE/12	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/9/2014 12:00AM	GOTHIC/			6,610.0	6,612.0	4.00		0.330	EXPENDABLE/12	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			6,645.0	6,647.0	4.00		0.330	EXPENDABLE/12	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			6,680.0	6,682.0	4.00		0.330	EXPENDABLE/12	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			6,750.0	6,752.0	4.00		0.330	EXPENDABLE/11	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			6,785.0	6,787.0	4.00		0.330	EXPENDABLE/11	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			6,820.0	6,822.0	4.00		0.330	EXPENDABLE/11	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			6,855.0	6,857.0	4.00		0.330	EXPENDABLE/11	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			6,925.0	6,927.0	4.00		0.330	EXPENDABLE/10	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			6,960.0	6,962.0	4.00		0.330	EXPENDABLE/10	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			6,995.0	6,997.0	4.00		0.330	EXPENDABLE/10	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			7,030.0	7,032.0	4.00		0.330	EXPENDABLE/10	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			7,100.0	7,102.0	4.00		0.330	EXPENDABLE/9	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			7,135.0	7,137.0	4.00		0.330	EXPENDABLE/9	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			7,170.0	7,172.0	4.00		0.330	EXPENDABLE/9	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			7,205.0	7,207.0	4.00		0.330	EXPENDABLE/9	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			7,815.0	7,817.0	4.00		0.330	EXPENDABLE/8	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			7,870.0	7,872.0	4.00		0.330	EXPENDABLE/8	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			7,926.0	7,928.0	4.00		0.330	EXPENDABLE/8	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			7,981.0	7,983.0	4.00		0.330	EXPENDABLE/8	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			8,037.0	8,039.0	4.00		0.330	EXPENDABLE/8	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			8,148.0	8,150.0	4.00		0.330	EXPENDABLE/7	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/9/2014 12:00AM	GOTHIC/			8,203.0	8,205.0	4.00		0.330	EXPENDABLE/7	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			8,259.0	8,261.0	4.00		0.330	EXPENDABLE/7	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			8,315.0	8,317.0	4.00		0.330	EXPENDABLE/7	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/9/2014 12:00AM	GOTHIC/			8,370.0	8,372.0	4.00		0.330	EXPENDABLE/7	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			8,481.0	8,483.0	4.00		0.330	EXPENDABLE/6	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			8,537.0	8,539.0	4.00		0.330	EXPENDABLE/6	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			8,592.0	8,594.0	4.00		0.330	EXPENDABLE/6	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			8,648.0	8,650.0	4.00		0.330	EXPENDABLE/6	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			8,703.0	8,705.0	4.00		0.330	EXPENDABLE/6	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			8,799.0	8,801.0	4.00		0.330	EXPENDABLE/5	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			8,839.0	8,841.0	4.00		0.330	EXPENDABLE/5	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			8,879.0	8,881.0	4.00		0.330	EXPENDABLE/5	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			8,919.0	8,921.0	4.00		0.330	EXPENDABLE/5	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			9,039.0	9,041.0	4.00		0.330	EXPENDABLE/4	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			9,079.0	9,081.0	4.00		0.330	EXPENDABLE/4	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			9,089.0	9,001.0	4.00		0.330	EXPENDABLE/4	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			9,119.0	9,121.0	4.00		0.330	EXPENDABLE/4	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			9,199.0	9,201.0	4.00		0.330	EXPENDABLE/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			9,239.0	9,241.0	4.00		0.330	EXPENDABLE/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			9,279.0	9,381.0	4.00		0.330	EXPENDABLE/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOTHIC/			9,319.0	9,321.0	4.00		0.330	EXPENDABLE/3	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	

2.1 Perforated Interval (Continued)

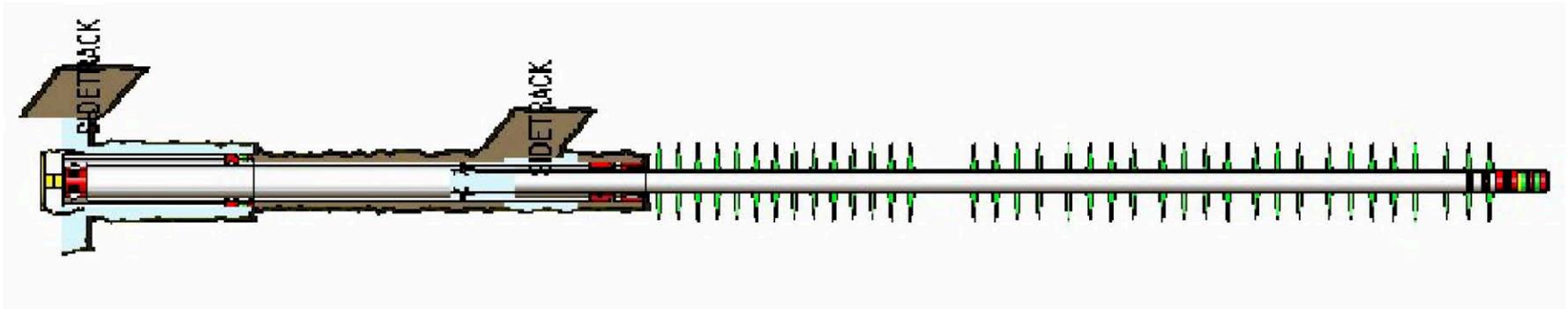
Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
4/8/2014 12:00AM	GOthic/			9,399.0	9,401.0	4.00		0.330	EXPENDABLE/2	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOthic/			9,439.0	9,441.0	4.00		0.330	EXPENDABLE/2	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOthic/			9,479.0	9,481.0	4.00		0.330	EXPENDABLE/2	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	
4/8/2014 12:00AM	GOthic/			9,506.0	9,508.0	4.00		0.330	EXPENDABLE/2	3.125	120.00	DEEP PENETRATOR/TITAN	19.00	PRODUCTIO N	

3 Others

3.1 Remarks

4 Plots

4.1 Wellbore Schematic



US ROCKIES REGION
Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H		Spud Date: 9/18/2013	
Project: UTAH-SAN JUAN		Site: CEDAR POINT FEE 3526-16-1H	Rig Name No:
Event: COMPLETION		Start Date: 5/19/2014	End Date:
Active Datum: RKB @6,724.00usft (above Mean Sea Level)		UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
10/30/2013	7:00 - 17:00	10.00	SUBSPR	30	G	P		MOVE RIG & EQUIP FROM PRICE UT TO LOC
10/31/2013	7:00 - 7:15	0.25	SUBSPR	48				JSA= COLD TEMPS & MUD
	7:15 - 17:00	9.75	SUBSPR	30				SET ANCHORS, SPOT RIG & RU ND W/H NU BOPS RU FLOOR & TUBING EQUIP MIRU W/L RIH TO L/T CUN CBL TO SURFACE SIW PREP TO PU POLISHING MILL IN AM SDFN
11/1/2013	7:00 - 7:15	0.25	SUBSPR	48				JSA= HANDLING TUB
	7:15 - 18:00	10.75	SUBSPR	30				PU POLISHING MILL TALLY & PU TUBING RIH TAG L/T W/ LOCATOR @4894' RU PWR SWVL & DRILLING HEAD POLISH PBR (UNLOAD 4-1/2 FRAC STRING ONTO PIPE RACKS) CONTINUE TO CIRC NASTY WTR OUT OF HOLE RD PWR SWVL PULL 2 JNTS SIW SDFN
11/2/2013	7:00 - 7:15	0.25	SUBSPR	48				RUNNING FRAC STRING
	7:15 - 20:00	12.75	SUBSPR	30				MILENIUM RIG BLOCK WOULD NOT FALL REPAIR RIG CONTINUE TO POOH W/ POLISHING MILL CHANGE OVER TO 4-1/2 EQUIP RU PU MACH. & RU CSG EQUIP PU SEAL ASSM & 4 1/2 FRAC STRING RIH TO PBR PUMP PKR FLUID SPACE OUT TRY TO LAND 1' TO LONG SIW SDFN CORRECT IN MORN
11/3/2013	7:00 - 7:15	0.25	SUBSPR	48				JSA= CSG TONGS
	7:15 - 10:00	2.75	SUBSPR	30		P		POOH W/ HNGR POOH W/ 1ST JNT TALLY & PU JNT 1' LONGER PU RIH MU HNGR LAND FRAC STRING TEST TO 2000 PSI RD CSK TONGS SIW SDFN
								FRAC STRING DETAIL K.B..... ...26.00 HNGR.....1.80' 1 JNTS 4-1/2" LTC 15.1 P-110.....43.21' 8'X4-1/2" LTC 15.1 P-110 PUP.....8.09' 8'X 4-1/2" LTC 15.1 P-110 PUP.....8.11' 115 JNTS 4-1/2" LTC 15.1 P-110.....4816.73' 4' X 4-1/2" LTC 15.1 P-110 PUP.....4.10 (TO LINER TOP 4908.04') WEATH SEAL ASSM.....15.30' EOT@..... ...4923.34'
11/4/2013	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= CHANGE OUT PIPE RAMS

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No:

Event: COMPLETION

Start Date: 5/19/2014

End Date:

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 11:00	3.75	SUBSPR	30				SIWP= 0 PSI ON TUB 2000 PSI ON ANN OPEN 4-1/2 CHANGE PIPE RAMS IN BOPS FROM 4-1/2" TO 2-3/8" PU MILL & BIT SUB RIH TAG ON 4-1/2, WEATH DEL 3-7/8 MILL ORDERED 3.70 MILL CALL TRY TO GET MILL FROM FARMINGTON COULDN'T GET MILL OUT OF VERNAL SIW SDFN
11/5/2013	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= PWR SWVL
	7:15 - 17:30	10.25	SUBSPR	30		P		PU 3.70 MILL 1 JNT PU 3.70 STRING MILL RIH W/ TUB OUT OF DERRICK TO LINER TOP TALLY & PU TUB OFF FLOAT TAG @ 9181' RU DRILLING EQUIP EST CIRC C/O & DRILL THRU 60' CEM FELL THRU LOOKED LIKE SETTLED DRILLING MUD C/O TO 9370' CIRC CLEAN RD SWWL PUH TO 8130' (20 JNTS) SIW SDFN
11/6/2013	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= RIG PUMP SAFETY
	7:15 - 17:00	9.75	SUBSPR	30		P		RIH W/ 20 JNTS RU DRLG EQUIP EST CIRC C/O & DRILL FROM 9370' TO TOE SLEEVE @ 9566' (TOE SLEEVE SHOULD BE OK JUST DRLG MUD @ SLEEVE) CIRC CLEAN RD DRLG EQUIP POOH STAND BACK TUB LD BHA RD FLOOR & TUB EQUIP ND BOPS NU 15K FRAC TREE & TEST FLANGES NU BOPS ON FRAC TREE RU RIG FLOOR , PULLED WIRES OUT OF CONTROL PANEL
11/7/2013	12:00 - 12:15	0.25	SUBSPR	48		P		JSA= W/L SAFETY
	19:59 - 17:00		SUBSPR	30		P		RU W/L PU 12K CBP RIH TO 5084' (190' INSIDE LINER) PRESS UP 4-1/2" @ 2600 PSI PUMPING 16 GAL PER MIN SET CBP WHILE PUMPING, ABLE TO PRESS TO 3000 PSI POOH W/ W/L PU 2ND CBP RIH TO 5040' PRESS 4-1/2" TO 4000 PSI SET CBP TRAPING PRESS BELOW PLUG POOH W/ W/L PRESS ANNULAR TO 3000 PSI PRESS TEST 4-1/2" FRAC STRING & FRAC TREE TO 12070 PSI HELD 30 MIN LOST 600 PSI BLEED OFF PSI RD W/L & TEST UNIT PREP TO RUN TUB IN AM SIW SDFN
11/8/2013	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= DRILLING CBPS
	7:15 - 17:00	9.75	SUBSPR	30		P		PU 3.70 MILL & BIT SUB, RIH TAG TOP CBP @ 5028' RU DRLG EQUIP EST CIRC DRILL THRU CBP RIH TAG 2ND CBP @ 5079' DRILL THRU CBP CONTINUE TO RIH TO TOE SLEEVE @ 9566' CIRC CLEAN W/ 50 BBLs RD DRLG EQUIP, START LAYING DOWN TUBING SIW SDFN
11/9/2013	7:00 - 7:15	0.25	SUBSPR	48		P		JSA= LD TUB
	7:15 - 17:00	9.75	SUBSPR	30		P		CONTINUE TO POOH W/ TUB LD BHA RD FLOOR & TUBING EQUIP ND BOPS NU GOATHEAD RD RIG PREP TO MOVE RIG
11/26/2013	7:00 - 7:45	0.75	FRAC	36	1	P		MIRU HALLIBURTON PUMP,
	7:45 - 8:00	0.25	FRAC	48				
	8:00 - 8:20	0.33	FRAC	36	1	P		PRESSURE TEST SURFACE LINE TO 9500 PSI,

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No:

Event: COMPLETION

Start Date: 5/19/2014

End Date:

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:20 - 12:00	3.67	FRAC	36	1	P		OPEN WELL PUMP 13 BBLS TO FILL CSG, PUMP RATE AT 4 B/M PUMP INTO FORMATION AT 2286 #, BRING RATE UP TO 10 B/M 5246# OPEN TOE SLEEVE UP PRESSURE DROP TO 3480#. BRING RATE UP TO 14.8 B/M AT 4200 TO 4500 PSI, HOLD RATE FOR 10 MIN, ISIP = 1770#, 5 MIN = 1582#, 10 MIN 1507#, 15 MIN = 1462#, 30 MIN = 1379#, 45 MIN 1319#, 60 MIN 1278#, SHUT SIDE VALVE R/D HALLIBURTON, R/U CAMERON TO SIDE VALVE, PUMP 2.4 BBLS DIESEL DN WELL FOR FREEZE PURPOSE, WRAP WELL HEAD W/ TARPS, SHUT SIDE VALVE, R/D CAMERON,
5/7/2014	7:00 - 0:00	17.00	FRAC	36	B	P		MIRU W/L, FRAC CREW SET UP WITH SPILL TROUGHS AND RESTRAINTS, TRACER , WATER TTREATMENT ALL PREP FOR FRAC HOT SHOT IN TEMP LOG TOOL PU RIH PAST L/T LOG TEMP FROM SURFACE SIW SDFN
5/8/2014	6:00 - 6:30	0.50	FRAC	48		P		HOLD PRE JOB SAFETY MEETING.
	6:30 - 7:40	1.17	FRAC	36	H	P		BUCKET TEST CHEM'S, PSI TST LINES TO 12000#, SET POP OFFS @ 11500#, REPAIR MISC LEAKS.
	7:40 - 9:20	1.67	FRAC	36	H			BEG PMP STG 1, PERF'S WERE PREV BRK DWN @ DFIT, EST INJ RT @ 65 BPM @ 7000#, FRAC STG 1 THROUGH TOE SLEEVE AS PER DESING W/ 121,503# SAND, W/ 4631 BBLS CLEAN FLUID, MAX PSI 7697# MAX RT 67.3 BPM AVG PSI 5877# AVG RT 64.3 BPM ISIP 2172# FINAL FG .80 5 MIN 2021# 10 MIN 1871# 15 MIN 1850#
	9:20 - 12:30	3.17	FRAC	34	H	P		SWI, BLEED OFF, TURN OVER TO W/L. EQUILIZE PSI & OPEN WELL P/U 3.60" CFP & 3 1/8" PERF GUNS & RIH. CORRELATE @ LT. PMP CFP & PERF GUNS TO DEPTH W/ AVG 6 BPM. S/D PMP & SET CFP @ 9520', P/U SHOOT STG 1 AS PER DESIGN SEE PERF SHEET. POOH LOG LATERAL. POOH. RD, TURN OVER TO FRAC
	12:30 - 14:00	1.50	FRAC	36	H			PUMP STG #2 AS DESIGNED, OWP= 1036 PSI, PMP BALL @ 18 BPM @ 3470 PSI, 138 BBLS, BREAK PSI= 3470 PSI, MP=9538 PSI, MR=67 BPM, AP= 8172 PSI, AR= 63.6 BPM, ISIP=2405 PSI, 5 MIN= 2148 PSI, 10 MIN= 2028 PSI, 15 MIN= 1917 PSI, TOTAL FLUID=4555 BBLS, TOTAL SAND= 123300# SIW TURN OVER TO W/L
	14:00 - 16:00	2.00	FRAC	34	H	P		PU HALLI 10K FRAC PLUG & PERF GUN RIH TO L/T PMP W/L DOWN @ 7 BPM 2730 PSI SET PLUG @ 9359' PERF AS PER PROC. TOTAL FLUID PMPED 183.7 BBLS TURN WELL OVER TO FRAC

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No:

Event: COMPLETION

Start Date: 5/19/2014

End Date:

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	16:00 - 17:40	1.67	FRAC	36	H	P		PUMP STAGE #3] AS DESIGNED, OWP=1290 PSI, PMP BALL DOWN @ 20 BPM @3500 PSI, BREAK PSI=3378 PSI @ 20.7 BPM, MP=7912, MR= 66.9, AP=7201 PSI, AR =64.4, ISIP=2529 PSI, 5 MIN=2057 PSI, 10 MIN=1980, 15 MIN=1911 PSI, TOTAL FLUID=4440.4 BBLS, TOTAL SAND =122470# TURN WELL OVER TO W/L
	17:40 - 19:10	1.50	FRAC	34	H	P		PU HALLI 10K FRAC PLUG & PERF GUN RIH TO LT PUMP W/L DOWN @ 6 BPM @ 230 FPM @ 2200 PSI SET PLUG @ 9159' PERF AS DESIGNED TOTAL FLUID PUMPED 135 BBLS SIW TURN WELL OVER TO FRAC
	19:10 - 21:20	2.17	FRAC	36	H	P		PUMP STAGE #4] AS DESIGNED, OWP=1180 PSI, PMP BALL @20 BPM 4200 PSI BBLS PMPED 144 BBLS BALL TO PLG, BREAK PSI=3550 PSI, MP= 7645 PSI, MR= 66.7 BPM, AP=7348.9 PSI, AR=65.8 BPM, ISIP= 2418 PSI, 5 MIN=2102, 10 MIN=1979 PSI, 15 MIN=1931 PSI TOTAL FLUID4590.2 TOTAL SAND= 124460# SIW TURN WELL OVER TO W/L
	21:20 - 23:00	1.67	FRAC	34	H	P		PU HALLI 10K FRAC PLG & PERF GUN RIH TO L/T PUMP W/L DOWN @ 7 BPM @ 270 FPM @ 2240 PSI SET PLUG @ 8950' PERF AS DESIGNED TOTAL FLUID PUMPED 155 BBLS SIW TURN WELL OVER TO FRAC
	23:00 - 23:59	0.98	FRAC	36	H	P		PUMP STG #5) AS PER DESIGNED, OWP 1357#, PMP BALL @ 20.2 BPM @ 4280#, BBLS PUMPED 134 BBLS. BRK PSI 3760#, CONTINUE ON NEXT DAY.
5/9/2014	0:01 - 1:00	0.98	FRAC	36	H	P		CONT FROM 4/8/14, STG 5) MAX PSI 8527#, MAX RT 65.5 BPM, AVG PSI 7657#, AVG RT 64.4 BPM. ISIP 2456#, 5 MIN 2050#, 10 MIN 1976#, 15 MIN 1905, FINAL FG .85 TOT CLEAN FL 4545.2 BBLS, TOTAL SAND 121,915#, TURN OVER TO W.L.
	1:00 - 2:22	1.37	FRAC	34	H	P		PAJ 3.54" 10K HALLIB, CFP & 3 1/8" PERF GUNS & RIH, CORRELATE TO LT, PUMP TO PLUG SET DEPTH @ 8759' W/ AVG RT @ 6 BPM, TOTAL FLUID 155 BBLS. SET CFP & SHOOT PERFS AS PER DESIGN (SEE PERF SHEET). POOH. RD, TURN OVER TO FRAC.
	2:22 - 3:22	1.00	FRAC	36	H	P		SHUT DOWN FOR 1 HR CHANGE OUT LEAKING CHICKSAND
	3:22 - 5:00	1.63	FRAC	36	H	P		STG 6) PMP STG 6 AS PER DESIGN, PMP BALL TO CFP W/136 BBLS , BRK @ 3127# @ 20.4 BPM, MAX PSI 7819#, MAX RT 66.6 BPM, AVG PSI 7155#, AVG RT 64.2 BPM, ISIP 2472#, INIT FG .85, 5 MIN 2176#, 10 MIN 2088#, 15 MIN 2020#, FFG .78, TOTAL CL FL 4458 BBLS, TOTAL SAND 122639#, SWI. TURN OVER TO W.L.
	5:00 - 6:25	1.42	FRAC	34	H	P		PAJ 3.54" 10K HALLIB, CFP & 3 1/8" PERF GUNS & RIH, CORRELATE TO LT, PUMP TO PLUG SET DEPTH @8426' W/ AVG RT @ 6 BPM, TOTAL FLUID 143 BBLS. SET CFP & SHOOT PERFS AS PER DESIGN (SEE PERF SHEET). POOH. RD, TURN OVER TO FRAC.

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No:

Event: COMPLETION

Start Date: 5/19/2014

End Date:

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	6:25 - 8:45	2.33	FRAC	36	H	P		STG 7) PMP STG 7 , PMP BALL TO CFP w/ 128 BBLs @ 21.2 BPM @ 3680#. BRK DWN PERF'S 2000#, BEGIN 100 MESH SAND WHEN 1200# IN FORMATION, SCREENED OFF, COULD NOT CONTINUE INJ, BLEED WELL BACK TO PIT FOR 15 MIN @ 10 BPM RECOVERED ALL SAND. RE EST INJ RT & SPEAR HEAD 500 GALS 15% HCL. WHEN ACID ON FORMATION, OBSERVED GOOD BRK. @ 8370# INC RT TO 50 BPM @ 5500#, START SAND & CONT ON DESIGN. MAX PSI 11,624#, MAX RT 67 BPM, AVG PSI 6811#, AVG RT 62 BPM. ISIP 2597#, FG .87, 5 MIN 2236#, 10 MIN 2162#, 15 MIN 2103#. TOTAL CL FL 4744 BBLs. TOT SAND 119,213# FFG .79, SIW TURN OVER TO W/L.
	8:45 - 10:15	1.50	FRAC	34	H	P		PAU 3.54" 10K HALLIB, CFP & 3 1/8" PERF GUNS & RIH, CORRELATE TO LT, PUMP TO PLUG SET DEPTH @8092" W/ AVG RT @ 5 BPM, TOTAL FLUID 98.5 BBLs. SET CFP & SHOOT PERFS AS PER DESIGN (SEE PERF SHEET). POOH. RD, TURN OVER TO FRAC.
	10:15 - 13:15	3.00	FRAC	36	H	P		STG 8) PMP STAGE 8] OWP=1690 PSI PUMP BALL TO CFP W/ 120 BBLs PMP 500 GAL ACID TO PERFS PRESS. OUT W/ 1855# 100 MESH IN PERFS 2600# IN WELL BORE OPEN WELL TO PIT FLOW SAND BACK 25 MIN SIW CONTINUE FRAC EST RATE FRAC AS DESIGNED W/ 20/40, BRK DOWN @ 8459 PSI / 30 BPM, MAX PRESS=11411 PSI, MR=67.8, AP=6786 PSI, AR=61 BPM, ISIP=2826 PSI, 5 MIN=2360 PSI, 10 MIN= 2260 PSI, 15 MIN=2184 PSI, TOTAL SAND=119150#, TOTAL FLUID=4680 BBLs, SIW TURN WELL OVER TO W/L
	13:15 - 14:15	1.00	FRAC	34	H	P		PAU 3.54" 10K HALLI CFP & 3-1/8" PERF GUN RIH, CORRELATE TO L/T, PUMP PLG TO DEPTH 6 BPM @ 230 FPM TOTAL BBLs PMP= 58, BPM SET CFP @ 7240" AND PERF AS DESIGN POOH SIW TURN WELL OVER TO FRAC
	14:15 - 16:00	1.75	FRAC	36	H	P		STAGE #9] OWP= 1636 PSI, PUMP BALL TO CFP W/ 107 BBLs BREAK PSI @ 6164 PSI @ 22 BPM, PMP 300 GAL 15% ACID CUT 100 MESH TO 2000# FRAC W/ 20/40 AS DESIGN, ISIP=2642 PSI, MR=62.4 BPM, MP=10113 PSI, AR=57.3 BPM, AP=7572 PSI, TOTAL SAND=116189#, TOTAL FLUID=4558 BBLs, SIW TURN WELL OVER TO W/L
	16:00 - 17:15	1.25	FRAC	34	H	P		PU 3.53" 10K HALLI CFP & EXP PERF GUN RIH CORRELATE TO L/T PUMP PLG TO DEPTH@ 5 BPM AT 220 FPM. PUMP TOTAL OF 53 BBLs SET CFP @ 7065', PERF AS DESIGN POOH SIW TURN WELL OVER TO FRAC
	17:15 - 18:50	1.58	FRAC	36	H	P		STAGE #10] OWP=1745 PSI, PUMP BALL TO CFP W/ 106 BBLs, BREAK PSI= 6182 PSI, REPLACE 100 MESH W/ 2500# 1/4# 20/40 PMP REMAINING FRAC AS DESIGN, ISIP=2727 PSI, 5 MIN=2570 PSI, 10 MIN=2516 PSI, 15 MIN=2475 PSI, MP=8274 PSI, MR=67 BPM, AP=6122 PSI, AR=62.9 BPM, TOTAL FLUID=4030.7, TOTAL SAND= 113642 #

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No:

Event: COMPLETION

Start Date: 5/19/2014

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	19:05 - 20:00	0.92	FRAC	34	H	P		PU 3.53" 10K HALLI CFP & EXP PERF GUNS RIH CORRELATE TO L/T DEPTH PUMP PLUG TO DEPTH W/ 50 BBLS TOTAL FLUID 5 BPM @250 FPM, SET PLUG @6890' PERF AS DESIGN SIW TURN WELL OVER TO FRAC
	20:00 - 23:59	3.98	FRAC	36	H	P		STAGE #11] OWP=2606 PSI PUMP BALL TO CFP W/ 110 BBLS BREAK @ 6646 PSI AT 22 BPM, MANIFOLD ON BLENDER BROKE SD REPAIR BLENDER 2HRS NPT CONTINUE TO PUMP FRACPRESS OUT W/ 588# OF 1/4# SAND IN FORMATION, SD FLOW WELL TO PIT 20 MIN C/O PUMPS PUMP 850 GAL 15% ACID CONTINUE TO PMP FRACAS DESIGN
5/10/2014	0:01 - 0:50	0.82	FRAC	36	H	P		CONT FROM PREV. DAY. STG 11). ISIP 2850#, FG .91, 5 MIN 2650#, 10 MIN 2605#, 15 MIN 2559#, FFG .87, AP=5530 PSI, AR= 56 BPM, MP=11253 PSI, MR=63.4 BPM, TOT CL FL 4202 BBLS. TOTAL SAND 113,000# SAND. TURN OVER TO W.L.
	0:50 - 2:00	1.17	FRAC	34	H	P		PU 3.54" 10K HALLIB, CFP & 3 1/8" PERF GUNS & RIH, CORRELATE TO LT, PUMP TO PLUG SET DEPTH @ 6715 ' W/ AVG RT @ 4 BPM, TOTAL FLUID BBLS 18. SET CFP & SHOOT PERFSAS PER DESIGN (SEE PERF SHEET). POOH. RD, TURN OVER TO FRAC. RDMO CASED HOLE SOLUTIONS
	2:00 - 3:30	1.50	FRAC	36	H	P		STG 12) WAIT ON SAND,
	3:30 - 5:07	1.62	FRAC	36	H	P		STG 12). PMP STG 12 AS PER DESIGN, PMP BALL TO CFP W/ 80 BBLS , BRK @ 6438# @ 20 BPM, MAX PSI 7110#, MAX RT 69.2 BPM, AVG PSI 5573#, AVG RT 65.1 BPM, ISIP 2778#, INIT FG .90, 5 MIN 2660#, 10 MIN 2591#, 15 MIN 2544# , FFG .86, TOTAL CL FL 4006 BBLS, TOTAL SAND 128,564#, SWI. RDMO CAL FRAC
	7:00 - 17:00	10.00	DRLOUT	32	F	P		PREP TO MIRU COIL TBG FOR DRL OUT MIRU FLOW BACK EQUIP, SPOT TEST SEP & TANKS NU & RUN FLOW LINE & FLARE STACK, MIRU COIL TUB UNIT ND GOAT HEAD NU COIL BOPS PREP TO D/O IN AM SDFN
5/11/2014	7:00 - 7:15	0.25	DRLOUT	48		P		JSA= COIL TUBING
	7:15 - 13:45	6.50	DRLOUT	32	F	P		SIWP= 2200 PSI PRESS TEST FLOW LINE OPEN WELL RIH TAG 1ST CFP @ 6715' DRILL THRU PLUG IN 14 MIN MOTOR STALLED AND PLUGGED UP POOH W/ COIL B/O MOTOR, STATER BAD, INSTALL NEW MOTOR RIH

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	13:45 - 19:00	5.25	DRLOUT	32	F	P		TAG 2ND PLUG DRILL 45 MIN 2 BPM HOLDING 1200 PSI ON WELL PLUG #3]CONTINUE TO RIH TAG PLUG #3] @7065' DRILL THRU PLUG #3 IN 17 MIN PLUG #4] CONTINUE TO RIH TAG PLUG #4 @7240' DRILL THRU IN 14 MIN CONTINUE TO RIH PLUG #5 WAS SET @ 8092, PLUG #6 WAS SET @8426' DID NOT TAG TILL 8503' PUMP SWEEP POOH W/ COIL SIW SDFN DRILLING PLUGS W/ COIL
5/12/2014	7:00 - 7:15	0.25	DRLOUT	48		P		DRILLING PLUGS W/ COIL
	7:15 - 22:00	14.75	DRLOUT	32	M	P		SIWP=900 PSI TEST BOPS & TEST RUN MOTOR RIH TAG @ 8527' DRILL PLUG #5, PLUG #6 & THRU PLUG #7 @ 8759' IN 5 HOURS CONTINUE TO RIH TAG PLUG #8 8950' @ 8950' AT 12:40 DRILL THUR PLUG IN 27 MIN SHORT TRIP COIL TO L/T TAG ON PLUG #9 9195' @ 16:57 DRILL THRU PLUG IN 14 MIN CONTINUE TO RIH TAG PLUG #10 9359' @ 17:34 DRILL THRU PLUG IN 18 MIN, CONTINUE TO RIH TAG PLUG #12 9520' @ 18:16 DRILL THRU PLUG IN 16 MIN CONTINUE TO RIH TAG TOE SLEEVE @ 9555' DRILL 5 MIN CIRC CLEAN POOH W/ COIL PULL INTO LUBE SHUT TOP VALVE TURN WELL OVER TO FBC TOTAL FRAC FL PUMPED=53934 BBLS WE RECOVERED= 1600 BBLS LEFT TO REC= 52334 BBLS
5/13/2014	8:00 - 10:00	2.00	DRLOUT	32	1	P		RD COIL MOVE OFF LOC WELL ON FLOW BACK
5/14/2014	-							
5/15/2014	-							
5/16/2014	-							
5/17/2014	-							
5/18/2014	-							
5/19/2014	4:00 - 15:30	11.50	RUNTBG	33	A	P		RIG CREW DRIVE FROM VERNAL TO LEWIS ROAD MOVE RIG & EQUIPTO CEDAR POINT, WINDS TO HIGH TO RU RIG
5/20/2014	7:00 - 7:15	0.25	RUNTBG	48		P		JSA= RIGGING UP
	7:15 - 17:00	9.75	RUNTBG	31		P		FWP 0 PSI, RU RIG, ND FRAC VALVES, NU BOPS & CHANGE RAMS RU FLOOR & 4-1/2 CSG CREW EQUIP, UNLAND 4-1/2" ALLOW WELL TO EQUILIZE POOH LD 4-1/2" FRAC STRING LD BHA SIW SDFN LIFTING
5/21/2014	7:00 - 7:15	0.25	RUNTBG	48		P		LIFTING
	7:15 - 9:00	1.75	RUNTBG	31	J	Z		WEATHERFORD DIDNT BRINGANCHOR GET HOT SHOT FROM ROCK SPRINGS WYO. SDFN
5/22/2014	7:00 - 7:15	0.25	RUNTBG	48	J	P		JSA= CAP STRING

US ROCKIES REGION
Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H		Spud Date: 9/18/2013	
Project: UTAH-SAN JUAN		Site: CEDAR POINT FEE 3526-16-1H	Rig Name No:
Event: COMPLETION		Start Date: 5/19/2014	End Date:
Active Datum: RKB @6,724.00usft (above Mean Sea Level)		UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 7:15	0.00	RUNTBG	31	J	P		FWP= 0 PSI RU SPOOL FOR CAP STRING PU BHA TALLY & PU TUBING INSTALLING CAP STRING TO OD OF TUB RIH W/ 152 JNTS 2-3/8" P-110 LAND TUB ON HNGR RD FLOOR & TUB EQUIP ND BOPS UNLAND TUB B/O HNGR LOWER TUB 20" TURN 1 ROUND TO LEFT TO SET ANCHORPULL UP HOLE INSTALL HNGR CONNECT CAP STRING TO HNGR LAND TUB W/ 1000# TENSION NU WELLHEAD CHANGE HANDLING EQUIP TO RODS TUBING DETAIL K.B.....26.0 HANGER.....80".....26.80' 152 JNTS 2-3/8" P-110.....4819.13'.....4845.93' 7" CSP TUB ANCHOR.....5.65'.....4851.58' 2-3/8" L-80 PUP.....4.19'.....4855.77' 2-3/8 SEATTING NPL.....1.10'.....4856.87' 2-3/8" B X 2-7/8" P X-OVER.....73".....4857.60' 2-7/8" PERF PUP.....6.18".....4863.78' 1 JNT 2-7/8"31.71'.....4895.49' 2-7/8" BULL PLUG.....70".....4896.19' EOT=4896.19
5/23/2014	7:00 - 7:15	0.25	RUNTBG	48		P		5 JSA= PU RUN RODS

US ROCKIES REGION

Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud Date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig Name No:

Event: COMPLETION

Start Date: 5/19/2014

End Date:

Active Datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 19:00	11.75	RUNTBG	39		P		PU 2"X1-1/2" X 24' RWBC PUMP AND 2' X 2-3/4 GUIDED PONY PRIME UP PUMP W/ WTR RIH TAG S/N SPACE OUT RODS FOR HYD PUMP UNIT RD RIG PREP TO ROAD TO VERNAL SDFN ROD DETAIL 30' POLISH ROD 25 SLICK 7/8" RODS 35 GUIDED 7/8" RODS 18 SLICK 3/4" SLICK RODS 27 GUIDED 3/4" RODS 75 SLICK 3/4" RODS 12 WEIGHT RODS 1 3/4 X 2' STABILIZER PONY ROD 2' X 1-1/2" X 24' RWBC PUMP W/ SAND SEAL
5/24/2014	-							
5/25/2014	-							
5/26/2014	-							
5/27/2014	-							
5/28/2014	-							
5/29/2014	-							
5/30/2014	-							
5/31/2014	-							
6/1/2014	-							
6/2/2014	-							
6/3/2014	-							
6/4/2014	-							
6/5/2014	-							
6/6/2014	-							
6/7/2014	-							
6/8/2014	-							
6/9/2014	-							
6/10/2014	-							
6/11/2014	-							
6/12/2014	-							
6/13/2014	-							
6/14/2014	-							
6/15/2014	-							
6/16/2014	-							
6/17/2014	-							
6/18/2014	-							
6/19/2014	-							
6/20/2014	-							
6/21/2014	-							
6/22/2014	-							
6/23/2014	-							
6/24/2014	-							



Plan Data for CEDAR POINT FEE 3526-16-1H - LATERAL

Field: SAN JUAN COUNTY_NAD83
 Map Unit: USFt Vertical Reference Datum (VRD): Mean Sea Level
 Projected Coordinate System: NAD83 / Utah South (ftUS)

Site: CEDAR POINT FEE 3526-16P PAD
 Unit: USFeet TVD Reference:
 Company Name: ANADARKO
 Position: Northing: 10238315.33USft Latitude: 37.728547°
 Easting: 2344482.14USft Longitude: -109.065270°
 North Reference: True Grid Convergence: 1.49°
 Elevation Above VRD: 6698.00USft

Slot: CEDAR POINT FEE 3526-16-1H
 Position:
 Offset is from Site centre
 +N/-S: -0.00USft Northing: 10238315.33USft Latitude: 37.728547°
 +E/-W: -0.01USft Easting: 2344482.14USft Longitude: -109.065270°
 Elevation Above VRD: 6698.00USft

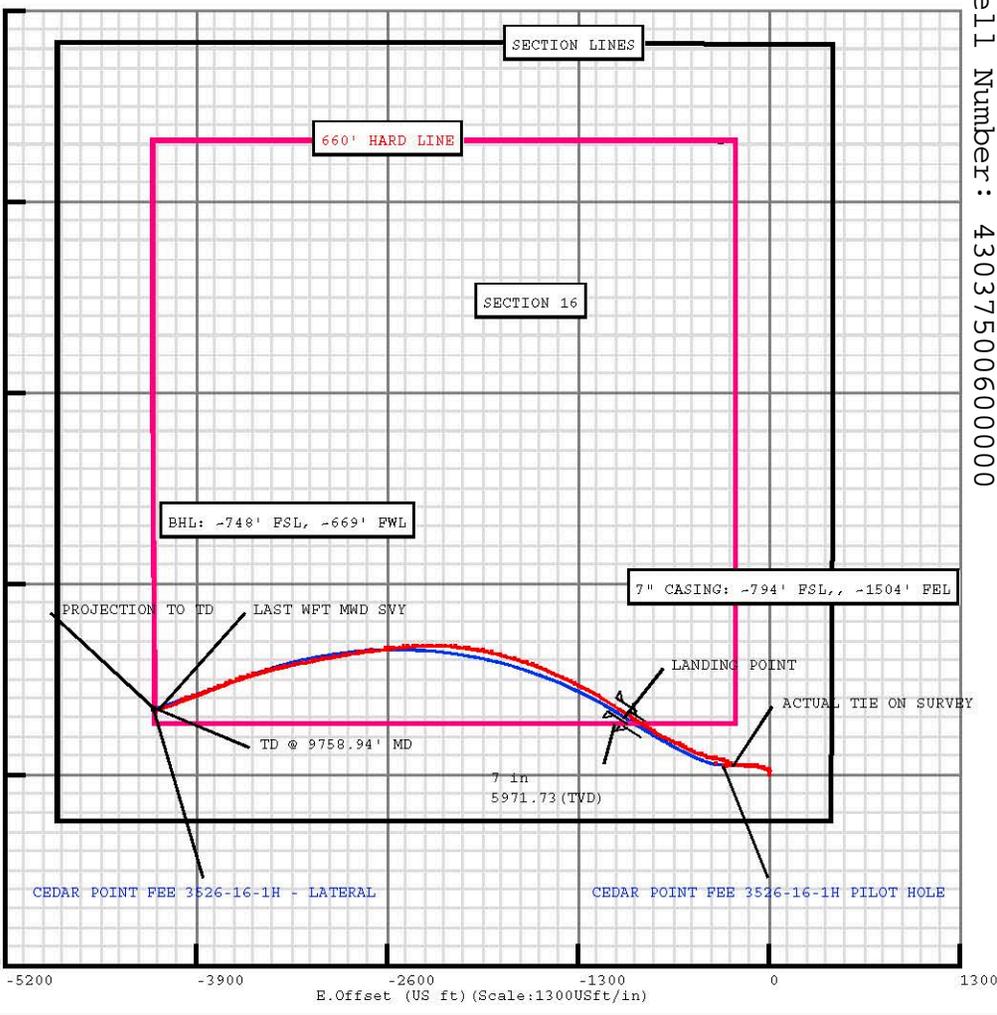
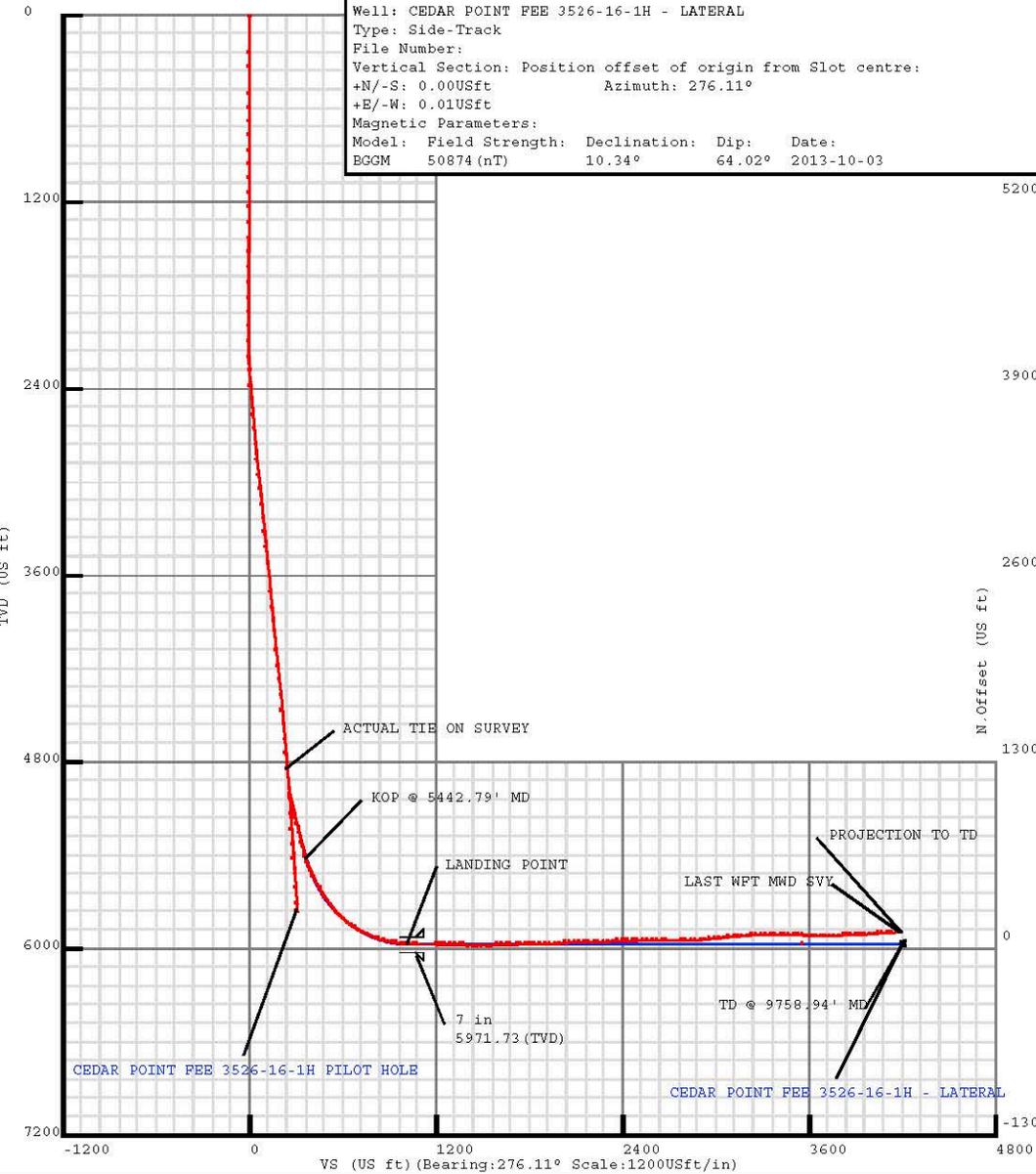
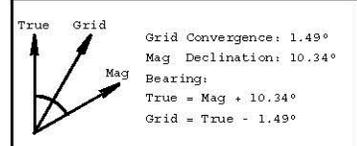
Well: CEDAR POINT FEE 3526-16-1H - LATERAL
 Type: Side-Track
 File Number:
 Vertical Section: Position offset of origin from Slot centre:
 +N/-S: 0.00USft Azimuth: 276.11°
 +E/-W: 0.01USft
 Magnetic Parameters:
 Model: Field Strength: Declination: Dip: Date:
 BGGM 50874 (nT) 10.34° 64.02° 2013-10-03

Survey Point Information:

DogLeg Severity Unit: °/100.00ft		Position offsets from Slot centre										Annotations
MD (USft)	Inc (°)	Az (°)	TVD (USft)	+N/-S (USft)	+E/-W (USft)	VSec (USft)	DLS (DLSU)	Toolface (°)	Build (DLSU)	Turn (DLSU)	Annotations	
4857.00	4.66	272.11	4844.77	65.03	-238.15	243.72	0.12	284.3	0.03	-1.44	TIE ON	
4955.00	5.25	277.84	4942.40	65.79	-246.57	252.17	0.79	42.9	0.60	5.85	FIRST WPT MWD SV	
9738.00	93.52	250.27	5890.92	443.28	-4154.23	4177.82	0.86	82.4	0.11	0.85	LAST WPT MWD SV	
9759.00	93.54	250.45	5889.63	436.23	-4173.98	4196.70	0.86	83.6	0.10	0.86	PROJECTION TO TD	

Target Set Information:
 Name: CEDAR POINT FEE 3526-16-1H - LATERAL
 Name TVD Lat Long
 (USft) (°) (°)
 PBHL 5970.00 37.729776 -109.079742

Casing Point Information:
 Name MD TVD
 (USft) (USft)
 7 in 6513.77 5971.73



Standby Number : 53628 API Well Number : 43037500600000



5D Survey Report

ANADARKO

Field Name: *SAN JUAN COUNTY_NAD83*
Site Name: *CEDAR POINT FEE 3526-16P PAD*
Well Name: *CEDAR POINT FEE 3526-16-1H - LATERAL*
Survey: *Definitive Survey*



DEFINITIVE SURVEYS FOR THE CEDAR POINT FEE 3526-16-1H - LATERAL

Site Name	Units : US ft North Reference : True Convergence Angle : 1.49 Position Northing : 10238315.33 US ft Latitude : 37.728547 Easting : 2344482.14 US ft Longitude : -109.065270
CEDAR POINT FEE 3526-16P PAD	Elevation above: 6698.00 US ft Comment :
Slot Name	<p style="text-align: center;">Position (Offsets relative to Site Centre)</p> +N / -S : -0.00 US ft Northing : 10238315.33 US ft Latitude : 37.728547 +E / -W : -0.01 US ft Easting : 2344482.14 US ft Longitude : -109.065270 Slot TVD Reference : Ground Elevation Elevation above : 6698.00 US ft Comment :
CEDAR POINT FEE 3526-16-1H	
Well Name	Type : Sidetrack UWI : Parent : CEDAR POINT FEE 3526-16-1H PILOT HOLE Tie Point Method : MD Tie Point : 4857.00 US ft Rig Height Drill Floor : 26.00 US ft Comment : Relative to : 6724.00 US ft Closure Azimuth : 275.388° Closure Distance : 3953.29 US ft Vertical Section (Position of Origin Relative to Slot) +N / -S : 0.00 US ft +E / -W : 0.01 US ft Az : 276.11°
CEDAR POINT FEE 3526-16-1H - LATERAL	

5D Survey Report

Target Set

Name : CEDAR POINT FEE 3526-16-1H - LATERAL **Number of Targets :** 1

Comment :

TargetName:	Position (Relative to centre)		
PBHL	+ N / -S : 447.84US ft	Northing : 10238654.06 US ft	Latitude : 37°43'47.193600"
Shape:	+ E / -W : -4185.35 US ft	Easting : 2340286.55US ft	Longitude : -109°4'47.071200"
Cuboid	TVD (Drill Floor) : 5970.00 US ft		
Orientation	Azimuth : 0.00°	Inclination : 0.00°	
Dimensions	Length : 20.00 US ft	Breadth : 20.00 US ft	Height : 20.00 US ft

Survey Name :Definitive Survey

Date : 15/Oct/2013 **Survey Tool :** **Comment :** **Company :**

Magnetic Model

Model Name: BGGM **Date:** 03/Oct/2013 **Field Strength:** 50874.7 nT **Declination:** 10.34° **Dip:** 64.02°

Survey Tool Ranges

Name	Start MD (us ft)	End MD (us ft)	Source Survey
MWD	4857.00	9759.00	MWD SURVEYS

Casing Points (Relative to centre, TVD relative to Drill Floor)

Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)
7 in	6513.77	89.88	302.72	5971.73	479.90	-1073.02	37.729865	-109.068980

Well path created using minimum curvature

Survey Points (Relative to centre, TVD relative to Drill Floor)

MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)	DLS (°/100 US ft)	I.Face (°)	CL (US ft)	VS (US ft)	High to Plan (US ft)	Right to Plan (US ft)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	37.728547	-109.065270	0.00	0.00	0.00	0.00	58.81	-239.76	
240.00	0.26	10.65	240.00	0.54	0.10	37.728548	-109.065270	0.11	10.65	240.00	-0.04	-1.54	-246.06	
328.00	0.30	12.46	328.00	0.76	0.19	37.728550	-109.065269	0.05	13.38	88.00	-0.08	-12.51	-246.55	
507.00	0.38	18.09	506.99	1.98	0.47	37.728552	-109.065268	0.05	25.50	179.00	-0.25	-42.93	-246.40	
596.00	0.38	17.84	595.99	2.54	0.65	37.728554	-109.065268	0.00	269.88	89.00	-0.38	-41.85	-246.47	
686.00	0.44	11.72	685.99	3.16	0.82	37.728556	-109.065267	0.08	320.79	90.00	-0.47	-19.90	-246.55	
775.00	0.56	13.22	774.99	3.92	0.99	37.728558	-109.065267	0.14	6.98	89.00	-0.56	-34.97	-246.77	
865.00	0.56	5.84	864.98	4.79	1.13	37.728560	-109.065266	0.08	266.31	90.00	-0.61	-3.31	-244.17	

5D Survey Report

Survey Points (Relative to centre, TVD relative to Drill Floor)														
MC (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)	DLS (°/100 US ft)	T.Face (°)	CL (US ft)	VS (US ft)	High to Plan (US ft)	Right to Plan (US ft)	Comment
955.00	0.56	1.96	954.98	5.66	1.19	37.728563	-109.065266	0.04	268.06	90.00	-0.58	13.13	-241.23	
1044.00	0.79	11.41	1043.97	6.70	1.33	37.728565	-109.065265	0.29	30.60	89.00	-0.60	-42.60	-246.28	
1141.00	0.91	13.40	1140.96	8.10	1.64	37.728569	-109.065264	0.13	14.82	97.00	-0.76	-59.02	-246.45	
1237.00	1.00	14.26	1236.95	9.66	2.02	37.728574	-109.065263	0.09	9.48	96.00	-0.98	-68.46	-246.41	
1333.00	1.00	26.97	1332.93	11.22	2.61	37.728578	-109.065261	0.23	96.35	96.00	-1.39	-122.51	-238.98	
1428.00	1.17	32.75	1427.92	12.77	3.51	37.728582	-109.065258	0.21	35.69	95.00	-2.12	-156.53	-231.51	
1523.00	1.09	33.39	1522.90	14.34	4.53	37.728586	-109.065254	0.09	171.35	95.00	-2.97	-154.41	-230.52	
1623.00	1.19	28.12	1622.88	16.05	5.54	37.728591	-109.065251	0.14	310.99	100.00	-3.80	-138.55	-238.01	
1717.00	1.21	20.67	1716.86	17.84	6.35	37.728596	-109.065246	0.17	273.57	94.00	-4.41	-106.19	-245.42	
1814.00	1.34	17.64	1813.83	19.88	7.06	37.728602	-109.065240	0.15	331.07	97.00	-4.90	-102.15	-247.36	
1909.00	1.36	13.11	1908.81	22.04	7.65	37.728608	-109.065244	0.11	278.34	95.00	5.26	-83.56	-249.14	
1992.00	1.34	11.84	1991.78	23.94	8.07	37.728613	-109.065242	0.04	235.61	83.00	-5.47	-77.02	-249.41	
2092.00	1.06	0.40	2091.76	26.01	8.32	37.728618	-109.065241	0.37	214.93	100.00	-5.50	-13.64	-246.73	
2188.00	1.98	300.52	2187.73	27.74	6.90	37.728623	-109.065246	1.79	267.79	96.00	-3.90	138.09	-92.32	
2283.00	3.30	291.34	2282.61	29.72	2.55	37.728629	-109.065261	1.97	341.12	95.00	0.63	66.72	-54.70	
2376.00	5.19	292.51	2375.32	32.46	-4.21	37.728636	-109.065285	1.50	4.36	93.00	7.64	4.27	-59.47	
2473.00	5.26	292.15	2471.92	35.81	-12.38	37.728645	-109.065313	0.08	334.72	97.00	16.12	1.67	-58.06	
2568.00	5.00	288.47	2566.54	38.76	-20.34	37.728653	-109.065340	0.44	229.86	95.00	24.35	15.53	-44.09	
2663.00	5.00	288.36	2661.18	41.38	-28.19	37.728661	-109.065368	0.01	269.95	95.00	32.44	15.62	-43.69	
2761.00	4.70	288.60	2758.82	44.01	-36.05	37.728668	-109.065395	0.31	176.25	98.00	40.54	26.66	-44.53	
2858.00	6.32	288.51	2855.37	46.79	-44.94	37.728675	-109.065425	1.68	351.90	97.00	49.67	-29.72	-37.42	
2954.00	6.29	288.96	2950.79	49.56	-55.11	37.728683	-109.065461	0.29	262.62	96.00	60.07	-27.23	-29.14	
3048.00	6.08	286.20	3044.25	52.19	64.89	37.728690	-109.065494	0.34	132.14	94.00	70.08	-21.70	-36.01	
3143.00	5.72	287.08	3139.74	54.99	-74.24	37.728698	-109.065527	0.39	166.33	95.00	79.68	-11.20	-38.54	
3237.00	5.45	287.38	3232.30	57.70	82.98	37.728705	-109.065557	0.29	173.98	94.00	88.65	-3.55	-39.35	
3330.00	6.00	272.80	3324.84	59.25	-92.05	37.728710	-109.065588	1.67	283.36	93.00	97.84	-13.47	-1.37	
3426.00	5.79	272.55	3420.33	59.71	-101.90	37.728711	-109.065622	0.22	186.85	96.00	107.68	-8.05	-0.75	
3522.00	5.95	271.82	3515.83	60.09	-111.71	37.728712	-109.065656	0.18	334.62	96.00	117.48	-11.91	0.93	
3617.00	5.70	270.18	3610.34	60.26	-121.35	37.728712	-109.065690	0.32	212.84	95.00	127.08	-6.37	4.41	
3712.00	5.60	272.06	3704.87	60.44	-130.70	37.728713	-109.065722	0.22	119.31	95.00	136.39	-4.20	0.73	
3809.00	5.29	270.85	3801.44	60.68	-139.90	37.728714	-109.065754	0.34	199.72	97.00	145.57	1.69	2.90	
3904.00	4.94	275.12	3895.06	60.96	-148.36	37.728714	-109.065783	0.43	151.09	95.00	154.01	7.84	-0.82	
4001.00	6.13	272.29	3992.60	61.40	-157.71	37.728716	-109.065815	1.23	355.74	97.00	163.35	-10.94	0.42	
4094.00	6.19	275.93	4085.07	61.94	-167.67	37.728717	-109.065850	0.20	71.99	93.00	173.32	-11.80	-1.75	
4187.00	6.12	275.77	4177.53	62.61	-177.62	37.728719	-109.065884	0.08	193.69	93.00	183.28	-10.92	-1.56	
4282.00	5.74	271.26	4272.02	63.05	-187.42	37.728720	-109.065918	0.48	213.07	95.00	193.07	-6.78	0.37	
4378.00	5.28	274.57	4367.58	63.50	-196.63	37.728721	-109.065950	0.58	147.00	96.00	202.27	-2.58	-1.79	
4475.00	5.26	271.55	4464.17	63.98	-205.52	37.728723	-109.065981	0.29	264.37	97.00	211.17	-2.38	0.17	
4571.00	5.13	270.96	4559.77	64.17	-214.21	37.728723	-109.066011	0.15	202.05	96.00	219.83	-1.63	0.46	
4667.00	4.39	271.26	4655.41	64.33	-222.59	37.728724	-109.066040	0.25	173.92	96.00	228.18	0.63	0.36	
4761.00	4.53	275.49	4749.08	64.65	-230.38	37.728725	-109.066067	0.34	145.67	94.00	235.96	0.02	-0.09	

5D Survey Report

Survey Points (Relative to centre, TVD relative to Drill Floor)														
MC (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)	DLS (°/100 US ft)	T.Face (°)	CL (US ft)	VS (US ft)	High to Plan (US ft)	Right to Plan (US ft)	Comment
4857.00	4.56	272.11	4844.77	65.03	-238.15	37.728726	-109.066093	0.12	284.34	96.00	243.72	0.00	-0.00	TIE ON FROM PILOT HOLE
4955.00	5.25	277.84	4942.40	65.79	-246.57	37.728728	-109.066123	0.79	42.87	98.00	252.17	-0.49	-0.33	
4987.00	8.51	290.01	4974.17	66.80	-250.24	37.728730	-109.066135	11.10	30.22	32.00	255.94	-1.34	-0.82	
5018.00	13.10	296.57	5004.61	69.27	-255.49	37.728737	-109.066153	15.65	23.52	31.00	261.41	-2.99	-2.28	
5050.00	14.55	301.00	5035.69	73.07	-262.12	37.728748	-109.066176	4.88	23.01	32.00	268.41	-4.90	-5.05	
5083.00	14.61	300.58	5067.62	77.32	-269.26	37.728759	-109.066201	0.37	299.37	33.00	275.96	-5.82	-8.88	
5114.00	14.34	296.83	5097.64	81.16	-275.98	37.728770	-109.066224	1.66	237.47	31.00	283.06	-6.19	-12.55	
5146.00	13.75	296.34	5128.68	84.76	-282.86	37.728780	-109.066248	2.54	224.48	32.00	290.28	-5.93	-16.16	
5179.00	13.89	296.94	5160.73	88.30	-289.91	37.728789	-109.066272	0.51	45.96	33.00	297.67	-6.27	-19.41	
5212.00	14.34	294.79	5192.73	91.80	-297.15	37.728799	-109.066297	2.09	309.59	33.00	305.24	-5.77	-22.85	
5244.00	14.05	291.90	5223.75	94.92	-304.35	37.728808	-109.066322	2.39	246.35	32.00	312.73	-4.78	-25.93	
5277.00	14.80	286.10	5255.71	97.72	-312.08	37.728815	-109.066349	3.66	306.54	33.00	320.71	-3.19	-28.62	
5308.00	14.88	285.75	5285.68	100.03	-319.67	37.728822	-109.066375	1.96	276.43	31.00	328.51	-2.30	-30.61	
5341.00	14.65	284.11	5317.59	102.20	-327.80	37.728828	-109.066403	1.45	240.39	33.00	336.82	-1.64	-32.38	
5373.00	14.59	282.90	5348.55	104.08	-335.65	37.728833	-109.066431	0.97	258.30	32.00	344.83	-1.05	-33.86	
5404.00	13.88	281.96	5378.60	105.73	-343.09	37.728837	-109.066456	2.41	197.58	31.00	352.40	-0.36	-35.14	
5437.00	15.78	281.57	5410.50	107.45	-351.36	37.728842	-109.066485	5.77	356.80	33.00	360.81	-0.25	-36.39	
5469.00	19.83	281.89	5440.96	109.44	-360.94	37.728848	-109.066518	12.66	1.54	32.00	370.54	-1.79	-37.44	
5500.00	23.47	281.53	5469.77	111.76	-372.14	37.728854	-109.066557	11.75	357.74	31.00	381.92	-3.77	-37.94	
5531.00	25.15	284.46	5498.02	114.63	-384.57	37.728862	-109.066600	6.57	37.02	31.00	394.59	-7.94	-37.87	
5563.00	25.06	285.09	5527.00	118.10	-397.69	37.728871	-109.066645	0.88	108.89	32.00	408.01	-9.90	-37.83	
5594.00	25.30	285.18	5555.05	121.54	-410.43	37.728881	-109.066689	0.78	9.11	31.00	421.04	-10.16	-37.47	
5626.00	27.83	286.82	5583.67	125.49	-424.18	37.728892	-109.066737	8.23	16.90	32.00	435.13	-10.74	-36.60	
5658.00	30.88	286.19	5611.56	130.22	-439.13	37.728905	-109.066788	9.76	13.02	32.00	450.50	-11.28	-35.71	
5690.00	33.24	286.25	5638.68	135.53	-455.27	37.728919	-109.066844	7.38	0.80	32.00	467.11	-11.19	-34.81	
5722.00	35.14	286.22	5665.15	141.16	-472.34	37.728935	-109.066903	5.94	359.48	32.00	484.69	-10.83	-33.49	
5754.00	37.23	290.26	5690.98	147.39	-490.18	37.728952	-109.066965	7.54	30.78	32.00	502.08	-11.10	-31.83	
5787.00	39.73	292.97	5716.81	154.96	-509.25	37.728973	-109.067031	9.14	35.07	33.00	522.86	-11.35	-30.52	
5818.00	41.57	295.54	5740.33	163.27	-527.66	37.728995	-109.067095	8.02	43.28	31.00	542.04	-11.27	-29.92	
5849.00	43.25	296.87	5763.22	172.50	-546.41	37.729021	-109.067159	6.14	28.59	31.00	561.68	-10.26	-30.00	
5880.00	45.50	297.10	5785.37	182.34	-565.73	37.729048	-109.067226	7.28	4.17	31.00	581.93	-8.54	-30.30	
5912.00	48.87	296.87	5807.12	192.99	-586.65	37.729077	-109.067298	10.54	357.06	32.00	603.86	-6.76	-30.42	
5944.00	53.43	295.87	5827.19	204.05	-608.97	37.729107	-109.067376	14.46	349.99	32.00	627.24	-5.56	-30.04	
5975.00	57.04	295.14	5844.86	215.01	-631.95	37.729137	-109.067455	11.80	350.36	31.00	651.25	5.39	-29.02	
6006.00	59.94	294.75	5861.06	226.15	-655.92	37.729168	-109.067538	9.42	353.36	31.00	676.27	-5.78	-27.49	
6038.00	62.34	295.54	5876.51	236.06	-681.28	37.729201	-109.067626	7.81	16.27	32.00	702.76	-6.51	-25.70	
6070.00	64.76	296.48	5890.76	250.62	-707.03	37.729235	-109.067715	8.01	19.39	32.00	729.69	-7.15	-24.08	
6102.00	66.93	296.99	5903.85	264.22	-732.86	37.729273	-109.067804	9.86	47.06	32.00	756.83	-7.83	-23.02	
6134.00	68.71	301.53	5915.94	275.15	-758.45	37.729314	-109.067893	9.22	53.37	32.00	783.86	-8.11	-23.03	
6165.00	70.12	302.13	5926.83	294.46	-783.11	37.729356	-109.067978	4.90	21.83	31.00	810.01	-7.57	-23.76	

5D Survey Report

Survey Points (Relative to centre, TVD relative to Drill Floor)														
MC (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Latitude (°)	Longitude (°)	DLS (°/100 US ft)	T.Face (°)	CL (US ft)	VS (US ft)	High to Plan (US ft)	Right to Plan (US ft)	Comment
6197.00	73.41	302.30	5936.85	310.66	-808.82	37.729400	-109.068067	10.29	2.84	32.00	837.29	-6.82	-24.56	
6228.00	77.01	301.96	5944.76	326.59	-834.20	37.729444	-109.068154	11.66	354.74	31.00	864.23	-6.54	-25.13	
6260.00	79.32	302.78	5951.32	343.36	-860.65	37.729490	-109.068246	7.64	19.24	32.00	892.31	-6.62	-25.62	
6293.00	81.83	302.56	5956.73	360.93	-888.05	37.729538	-109.068341	7.63	355.04	33.00	921.43	-6.48	-26.14	
6324.00	82.50	302.29	5960.95	377.40	-913.97	37.729583	-109.068430	2.33	338.22	31.00	948.95	-5.83	-26.31	
6355.00	82.96	302.43	5964.87	393.86	-939.95	37.729629	-109.068520	1.55	16.81	31.00	976.53	-4.16	-26.25	
6387.00	84.08	302.88	5968.49	411.01	-966.72	37.729676	-109.068613	3.77	21.79	32.00	1004.98	-1.49	-26.18	
6392.00	84.59	303.06	5968.98	413.72	-970.89	37.729683	-109.068627	10.81	19.36	5.00	1009.42	-1.02	-26.18	
6418.00	87.48	303.05	5970.78	427.87	-992.63	37.729722	-109.068702	11.12	359.80	26.00	1032.54	0.77	-26.32	
6450.00	89.63	302.87	5971.58	445.27	-1019.47	37.729770	-109.068795	6.74	355.21	32.00	1061.08	1.58	-26.76	
6478.00	89.97	303.00	5971.68	460.49	-1042.97	37.729812	-109.068876	1.30	20.92	28.00	1086.06	1.68	-27.42	
6513.77	89.88	302.72	5971.73	475.90	-1073.02	37.729865	-109.068980	0.83	251.89	35.77	1118.00	1.73	-28.61	7 in
6610.00	89.63	301.96	5972.14	531.38	-1154.32	37.730006	-109.069261	0.83	251.90	96.23	1204.32	2.13	-33.11	
6642.00	89.44	300.94	5972.40	546.07	-1181.62	37.730052	-109.069356	3.24	259.44	32.00	1233.24	2.39	-34.84	
6674.00	89.38	299.58	5972.73	564.20	-1209.25	37.730096	-109.069451	4.25	267.47	32.00	1262.44	2.72	-36.26	
6706.00	89.26	298.07	5973.11	579.62	-1237.29	37.730139	-109.069548	4.73	265.45	32.00	1291.96	3.10	-37.24	
6737.00	89.26	296.63	5973.51	593.86	-1264.82	37.730178	-109.069643	4.64	269.99	31.00	1320.85	3.51	-37.71	
6769.00	89.07	295.64	5973.98	607.96	-1293.54	37.730217	-109.069743	3.15	259.13	32.00	1350.91	3.98	-37.87	
6800.00	88.64	295.19	5974.60	621.26	-1321.54	37.730253	-109.069840	2.31	226.29	31.00	1380.16	4.59	-37.96	
6832.00	89.20	295.06	5975.20	634.84	-1350.50	37.730290	-109.069940	1.80	346.93	32.00	1410.41	5.19	-38.24	
6863.00	90.00	294.89	5975.42	647.93	-1378.60	37.730326	-109.070037	2.64	348.00	31.00	1439.74	5.42	-38.76	
6895.00	90.19	294.95	5975.36	661.42	-1407.62	37.730363	-109.070137	0.62	17.53	32.00	1470.03	5.37	-39.61	
6926.00	90.06	294.83	5975.30	674.46	-1435.75	37.730399	-109.070235	0.57	222.71	31.00	1499.38	5.30	-40.75	
6958.00	90.06	294.61	5975.26	687.85	-1464.81	37.730436	-109.070335	0.59	270.00	32.00	1529.71	5.27	-42.18	
6990.00	90.25	294.18	5975.18	701.06	-1493.96	37.730472	-109.070436	1.47	293.84	32.00	1560.09	5.19	-43.78	
7021.00	90.49	292.64	5974.98	713.38	-1522.40	37.730506	-109.070534	5.03	278.86	31.00	1589.69	4.99	-45.18	
7053.00	90.74	291.32	5974.63	725.35	-1552.07	37.730539	-109.070637	4.20	280.73	32.00	1620.47	4.65	-46.15	
7085.00	90.99	290.44	5974.15	736.76	-1581.97	37.730570	-109.070740	2.86	285.87	32.00	1651.41	4.17	-46.85	
7116.00	91.60	289.88	5973.45	747.44	-1611.06	37.730600	-109.070841	2.57	317.46	31.00	1681.47	3.48	-47.46	
7149.00	92.28	289.43	5972.33	758.53	-1642.12	37.730630	-109.070948	2.47	326.53	33.00	1713.53	2.38	-48.19	
7180.00	91.98	287.61	5971.18	768.37	-1671.49	37.730657	-109.071050	5.95	260.67	31.00	1743.79	1.18	-48.61	
7212.00	91.36	286.73	5970.25	777.81	-1702.05	37.730683	-109.071155	3.36	234.84	32.00	1775.18	0.25	-48.63	
7244.00	92.28	286.62	5969.23	786.99	-1732.69	37.730708	-109.071261	2.90	353.19	32.00	1806.62	-0.75	-48.72	
7275.00	91.61	285.83	5968.18	795.65	-1762.44	37.730732	-109.071364	3.34	229.70	31.00	1837.12	-1.81	-48.90	
7307.00	91.36	285.32	5967.35	804.24	-1793.26	37.730756	-109.071471	1.77	243.89	32.00	1868.67	-2.64	-49.07	
7339.00	91.36	285.12	5966.59	812.64	-1824.12	37.730779	-109.071578	0.62	270.00	32.00	1900.26	-3.39	-49.39	
7371.00	91.79	284.80	5965.71	820.89	-1855.03	37.730801	-109.071684	1.67	323.36	32.00	1931.87	-4.26	-49.91	
7402.00	92.96	283.99	5964.43	828.59	-1885.03	37.730822	-109.071788	4.59	325.34	31.00	1962.52	-5.53	-50.45	
7434.00	93.45	282.99	5962.64	836.05	-1916.10	37.730843	-109.071896	3.48	296.17	32.00	1994.20	-7.32	-50.85	
7466.00	92.84	280.53	5960.88	842.56	-1947.37	37.730861	-109.072004	7.31	256.12	32.00	2026.00	9.16	-50.63	
7498.00	92.53	279.10	5959.38	848.01	-1978.87	37.730876	-109.072113	4.57	257.79	32.00	2057.89	-10.69	-49.65	

5D Survey Report

Survey Points (Relative to centre, TVD relative to Drill Floor)														
MC (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Latitude (°)	Longitude (°)	DLS (°/100 US ft)	T.Face (°)	CL (US ft)	VS (US ft)	High to Plan (US ft)	Right to Plan (US ft)	Comment
7529.00	92.04	276.89	5958.15	852.85	-2009.47	37.730889	-109.072218	1.72	203.19	31.00	2088.83	-11.90	-48.63	
7561.00	91.48	276.16	5957.16	857.59	-2041.10	37.730902	-109.072328	2.87	232.51	32.00	2120.79	-12.87	-47.65	
7592.00	90.86	277.89	5956.53	861.92	-2071.79	37.730914	-109.072434	2.18	203.53	31.00	2151.76	-13.49	-46.77	
7624.00	90.43	276.62	5956.17	865.96	-2103.53	37.730925	-109.072544	4.19	251.30	32.00	2183.75	-13.84	-45.75	
7656.00	92.22	275.85	5955.43	869.43	-2135.33	37.730934	-109.072654	6.09	336.74	32.00	2215.74	-14.63	-44.53	
7687.00	91.67	274.92	5954.38	872.34	-2166.17	37.730942	-109.072760	3.48	239.40	31.00	2246.72	-15.67	-43.22	
7719.00	91.48	272.94	5953.50	874.53	-2198.08	37.730948	-109.072871	6.21	264.54	32.00	2278.69	-16.57	-41.35	
7751.00	92.47	271.55	5952.39	875.79	-2230.04	37.730952	-109.072981	5.33	305.50	32.00	2310.59	-17.73	-38.92	
7782.00	92.96	270.50	5950.93	876.34	-2261.00	37.730953	-109.073088	3.73	295.07	31.00	2341.44	-19.22	-36.26	
7814.00	92.16	269.43	5949.50	876.32	-2292.97	37.730953	-109.073199	4.17	233.21	32.00	2373.22	-20.61	-33.27	
7846.00	90.74	268.53	5948.69	875.75	-2324.95	37.730952	-109.073309	5.25	212.37	32.00	2404.96	-21.35	-30.09	
7877.00	89.32	268.03	5948.67	874.82	-2355.93	37.730949	-109.073416	4.36	199.40	31.00	2435.67	-21.29	-26.99	
7909.00	90.37	267.99	5948.76	873.71	-2387.92	37.730946	-109.073527	3.28	357.82	32.00	2467.35	-21.26	-24.00	
7941.00	91.73	266.88	5948.17	872.28	-2419.88	37.730942	-109.073638	5.49	320.79	32.00	2498.98	-21.88	-21.00	
7973.00	91.05	265.48	5947.39	870.15	-2451.79	37.730936	-109.073748	4.36	244.11	32.00	2530.49	-22.64	-17.65	
8004.00	90.62	264.81	5946.94	867.52	-2482.68	37.730929	-109.073855	2.57	237.31	31.00	2560.92	-23.07	-14.21	
8035.00	90.99	264.32	5946.51	864.59	-2513.54	37.730921	-109.073961	1.98	307.06	31.00	2591.29	-23.51	-10.79	
8066.00	90.74	263.79	5945.01	861.17	-2546.36	37.730912	-109.074075	1.78	244.75	33.00	2623.56	-24.00	-7.22	
8099.00	90.56	263.44	5945.66	857.72	-2577.16	37.730902	-109.074181	1.27	242.78	31.00	2653.82	-24.34	-3.97	
8132.00	90.19	263.29	5945.44	853.91	-2609.94	37.730892	-109.074295	1.21	202.07	33.00	2686.01	-24.56	-0.72	
8227.00	90.31	262.06	5945.03	841.80	-2704.16	37.730858	-109.074621	1.30	275.57	95.00	2778.40	-24.97	7.57	
8258.00	90.19	261.59	5944.89	837.39	-2734.85	37.730846	-109.074727	1.56	255.68	31.00	2808.45	-25.10	10.19	
8290.00	91.32	261.92	5944.47	832.80	-2766.51	37.730834	-109.074836	3.58	16.28	32.00	2839.44	-25.50	12.50	
8321.00	93.01	261.75	5943.30	828.40	-2797.18	37.730822	-109.074942	5.48	354.26	31.00	2869.46	-26.62	14.34	
8354.00	94.76	261.61	5941.06	823.64	-2829.75	37.730809	-109.075055	5.32	355.44	33.00	2901.35	-28.77	16.03	
8385.00	96.06	260.98	5938.14	816.97	-2860.26	37.730796	-109.075160	4.36	334.27	31.00	2931.18	-31.59	17.46	
8417.00	95.81	260.55	5934.83	812.86	-2891.67	37.730782	-109.075269	1.55	239.71	32.00	2961.88	-34.90	18.89	
8448.00	95.63	260.21	5931.74	808.70	-2922.09	37.730767	-109.075374	1.24	242.00	31.00	2991.57	-38.00	20.14	
8480.00	95.68	259.70	5928.59	803.15	-2953.44	37.730752	-109.075482	1.59	275.65	32.00	3022.15	-41.13	21.31	
8512.00	95.75	259.47	5925.40	797.39	-2984.76	37.730736	-109.075591	0.75	287.02	32.00	3052.68	-44.31	22.34	
8543.00	95.44	259.20	5922.38	791.68	-3015.08	37.730721	-109.075696	1.32	220.93	31.00	3082.22	-47.36	23.13	
8575.00	94.82	259.15	5919.52	785.70	-3046.38	37.730704	-109.075804	1.94	184.59	32.00	3112.71	-50.28	23.69	
8606.00	94.32	258.92	5917.05	779.82	-3076.72	37.730688	-109.075909	1.77	204.64	31.00	3142.25	-52.79	23.96	
8637.00	93.70	258.87	5914.88	773.86	-3107.06	37.730672	-109.076014	2.01	184.60	31.00	3171.79	-55.01	23.96	
8669.00	93.39	258.89	5912.90	767.70	-3138.40	37.730655	-109.076122	0.97	176.32	32.00	3202.29	-57.02	23.62	
8700.00	92.28	258.83	5911.37	761.72	-3168.78	37.730638	-109.076227	3.59	183.09	31.00	3231.86	-58.61	22.96	
8732.00	91.36	258.76	5910.35	755.51	-3200.15	37.730621	-109.076336	2.88	184.35	32.00	3262.39	-59.65	21.95	
8764.00	90.86	258.57	5909.73	749.22	-3231.52	37.730604	-109.076444	1.67	200.81	32.00	3292.92	-60.27	20.66	
8796.00	90.25	257.84	5909.42	742.68	-3262.85	37.730586	-109.076552	2.97	230.12	32.00	3323.37	-60.58	19.28	
8827.00	89.51	256.79	5909.49	735.87	-3293.09	37.730567	-109.076657	4.14	234.83	31.00	3352.71	-60.50	18.08	
8859.00	89.26	256.47	5909.83	728.47	-3324.22	37.730547	-109.076765	1.27	232.00	32.00	3382.88	-60.15	16.86	

5D Survey Report

Survey Points (Relative to centre, TVD relative to Drill Floor)														
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Latitude (°)	Longitude (°)	DLS (%/100 US ft)	T.Face (°)	CL (US ft)	VS (US ft)	High to Plan (US ft)	Right to Plan (US ft)	Comment
8891.00	89.44	255.84	5910.19	726.81	-3355.29	37.730526	-109.076672	2.05	285.94	32.00	3412.95	-59.80	15.55	
8923.00	89.51	255.29	5910.49	712.84	-3386.28	37.730504	-109.076979	1.73	277.25	32.00	3442.92	-59.50	14.21	
8954.00	89.32	254.92	5910.80	704.87	-3416.23	37.730482	-109.077083	1.34	242.82	32.00	3471.86	-59.18	12.81	
8986.00	89.89	254.50	5911.30	695.43	-3447.10	37.730459	-109.077189	1.88	224.32	32.00	3501.65	-59.67	11.24	
9017.00	89.14	254.05	5911.84	686.03	-3476.93	37.730436	-109.077293	1.66	299.05	31.00	3530.42	-58.15	9.52	
9049.00	89.57	253.43	5912.20	676.07	-3507.85	37.730411	-109.077399	2.36	304.74	32.00	3560.01	-57.80	7.91	
9081.00	89.32	252.92	5912.51	665.81	-3538.28	37.730386	-109.077505	1.77	243.88	32.00	3589.48	-57.48	6.44	
9112.00	89.57	252.29	5912.81	665.54	-3567.96	37.730360	-109.077607	2.19	291.64	31.00	3617.90	-57.19	5.31	
9144.00	89.32	251.34	5913.12	655.56	-3598.26	37.730333	-109.077712	3.07	255.25	32.00	3647.07	-56.88	4.50	
9176.00	89.44	250.65	5913.46	645.14	-3628.51	37.730304	-109.077817	2.19	279.86	32.00	3676.04	-56.53	4.34	
9208.00	89.51	250.07	5913.76	625.38	-3658.65	37.730275	-109.077921	1.83	276.88	32.00	3704.86	-56.24	4.43	
9240.00	89.51	249.68	5914.03	616.37	-3688.69	37.730245	-109.078025	1.22	270.00	32.00	3733.56	-55.97	4.79	
9271.00	90.43	248.30	5914.05	607.51	-3717.73	37.730215	-109.078125	3.21	337.56	31.00	3761.28	-55.95	5.35	
9302.00	92.22	245.40	5913.33	596.58	-3746.73	37.730185	-109.078225	5.78	3.20	31.00	3788.95	-56.62	5.99	
9335.00	92.84	245.06	5911.87	584.89	-3777.55	37.730153	-109.078332	2.14	331.29	33.00	3818.35	-58.05	6.73	
9366.00	92.28	246.62	5910.49	575.71	-3806.43	37.730122	-109.078432	2.30	218.14	31.00	3845.89	-59.45	7.64	
9398.00	91.42	248.79	5909.46	563.10	-3836.23	37.730090	-109.078535	2.74	168.82	32.00	3874.27	-60.52	8.56	
9430.00	91.91	245.27	5908.53	555.65	-3866.10	37.730059	-109.078638	2.14	44.39	32.00	3902.75	-61.43	9.50	
9461.00	93.46	245.67	5907.07	535.79	-3895.10	37.730029	-109.078738	5.16	14.45	31.00	3930.43	-62.80	10.07	
9493.00	93.27	245.31	5905.20	525.60	-3925.02	37.729998	-109.078842	1.27	242.15	32.00	3958.99	-64.69	10.65	
9525.00	92.90	245.34	5903.47	517.32	-3954.92	37.729967	-109.078945	1.16	175.37	32.00	3987.52	-66.43	11.32	
9557.00	93.46	245.14	5901.70	505.99	-3984.79	37.729936	-109.079049	1.86	340.38	32.00	4016.02	-68.16	12.03	
9588.00	93.46	245.47	5899.83	495.06	-4013.74	37.729906	-109.079149	1.06	89.99	31.00	4043.64	-70.03	12.69	
9621.00	93.21	245.66	5897.91	483.55	-4044.61	37.729874	-109.079255	0.95	142.81	33.00	4073.11	-71.97	13.25	
9653.00	93.40	245.55	5896.06	472.42	-4074.55	37.729844	-109.079359	0.69	329.98	32.00	4101.70	-73.79	13.76	
9685.00	93.46	245.82	5894.15	461.33	-4104.51	37.729813	-109.079462	0.36	77.44	32.00	4130.30	-75.70	14.23	
9738.00	93.52	250.27	5890.92	443.28	-4154.23	37.729763	-109.079634	0.36	82.38	53.00	4177.82	-78.92	14.67	LAST WTT MWD SVY
9759.00	93.54	250.45	5889.63	436.23	-4173.98	37.729744	-109.079703	0.36	83.64	21.00	4196.70	-80.22	14.74	PROJECTION TO TD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-52114
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217	8. WELL NAME and NUMBER: CEDAR POINT FEE 3526-16-1H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0315 FSL 0430 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 16 Township: 35.0S Range: 26.0E Meridian: S	9. API NUMBER: 43037500600000
9. FIELD and POOL or WILDCAT: WILDCAT	COUNTY: SAN JUAN
9. PHONE NUMBER: 720 929-6100 Ext	STATE: UTAH

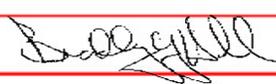
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/1/2015	<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 type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="BURY DRILL CUTTINGS"/>

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

Anadarko E & P Onshore, LLC is requesting to bury approximately 50 yards of water-based cuttings in the completion pit on the CEDAR POINT FEE 3526-16-1H location. See the attached analytical results.

REQUEST DENIED
 April 01, 2015
 Oil, Gas and Mining

Date: _____
 By: 

NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 2/24/2015	



19-Feb-2015

Jana Nilsen
InterTech
743 Horizon Court, Suite 110
Grand Junction, CO 81506

Re: **Anadarko PF 3526 16P Cuttings 2.11.15**

Work Order: **1502518**

Dear Jana,

ALS Environmental received 4 samples on 12-Feb-2015 09:30 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested.

Sample results are compliant with NELAP standard requirements and QC results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 27.

If you have any questions regarding this report, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston
Project Manager



Certificate No: MN 532786

Report of Laboratory Analysis

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

RECEIVED: Feb. 24, 2015

ALS Group USA, Corp

Date: 19-Feb-15

Client: InterTech
Project: Anadarko PF 3526 16P Cuttings 2.11.15
Work Order: 1502518

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1502518-01	CPF_3526_16P_SP1	Soil		2/11/2015 13:30	2/12/2015 09:30	<input type="checkbox"/>
1502518-02	CPF_3526_16P_SP2	Soil		2/11/2015 13:40	2/12/2015 09:30	<input type="checkbox"/>
1502518-03	CPF_3526_16P_SP3	Soil		2/11/2015 13:50	2/12/2015 09:30	<input type="checkbox"/>
1502518-04	CPF-3526_16P_BG	Soil		2/11/2015 14:00	2/12/2015 09:30	<input type="checkbox"/>

ALS Group USA, Corp

Date: 19-Feb-15

Client: InterTech
Project: Anadarko PF 3526 16P Cuttings 2.11.15
Work Order: 1502518

Case Narrative

Batch 67689 MS/MSD data for DRO is not related to this project's samples. No data requires qualification.

Batch 67748 MS/MSD data for Metals is not related to this project's samples. No data requires qualification.

Batch 67748 samples 1502518-01 through 1502518-04 reporting limits for Metals were elevated due to dilution for high concentrations of non-target analytes.

Batch 67794 MS/MSD data for Hexavalent Chromium is not related to this project's samples. No data requires qualification.

Batch 67802 sample 1502518-01 MS/MSD recoveries for Chloride were below control limits, however, the result in the parent sample was greater than 4x the spiked amount. No qualification is required for Chloride.

ALS Group USA, Corp

Date: 19-Feb-15

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte is present at an estimated concentration between the MDL and Report Limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	
s.u.	Standard Units

ALS Group USA, Corp

Date: 19-Feb-15

Client: InterTech

Project: Anadarko PF 3526 16P Cuttings 2.11.15

Work Order: 1502518

Sample ID: CPF_3526_16P_SP1

Lab ID: 1502518-01

Collection Date: 2/11/2015 01:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep: SW3541 / 2/13/15	Analyst: IT
DRO (C10-C28)	94		4.8	mg/Kg-dry	1	2/16/2015 02:31 PM
<i>Surr: 4-Terphenyl-d14</i>	62.5		39-133	%REC	1	2/16/2015 02:31 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015		Prep: SW5035 / 2/13/15	Analyst: IT
GRO (C6-C10)	ND		2.9	mg/Kg-dry	1	2/16/2015 01:40 PM
<i>Surr: Toluene-d8</i>	114		50-150	%REC	1	2/16/2015 01:40 PM
MERCURY BY CVA			SW7471		Prep: SW7471 / 2/17/15	Analyst: LR
Mercury	ND		0.015	mg/Kg-dry	1	2/17/2015 07:28 PM
SOLUBLE CATIONS FOR SAR			SW846 6010C		Prep: USDA Method 20B / 2/18/15	Analyst: JEC
Calcium	2,100		5.0	mg/L	10	2/18/2015 12:41 PM
Magnesium	140		2.0	mg/L	10	2/18/2015 12:41 PM
Sodium	10,000		20	mg/L	100	2/18/2015 01:26 PM
SODIUM ADSORPTION RATIO			USDA H60 METHOD		Prep: USDA Method 20B / 2/18/15	Analyst: JEC
Exchangeable Sodium Percentage	45		0.010	none	1	2/18/2015
Sodium Adsorption Ratio	57		0.010	none	1	2/18/2015
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 2/16/15	Analyst: ML
Arsenic	ND		1.5	mg/Kg-dry	4	2/17/2015 03:25 AM
Barium	3,100		15	mg/Kg-dry	40	2/17/2015 03:10 PM
Cadmium	ND		0.60	mg/Kg-dry	4	2/17/2015 03:25 AM
Chromium	18		1.5	mg/Kg-dry	4	2/17/2015 03:25 AM
Copper	19		1.5	mg/Kg-dry	4	2/17/2015 03:25 AM
Lead	7.8		1.5	mg/Kg-dry	4	2/17/2015 03:25 AM
Nickel	16		1.5	mg/Kg-dry	4	2/17/2015 03:25 AM
Selenium	ND		1.5	mg/Kg-dry	4	2/17/2015 03:25 AM
Silver	ND		1.5	mg/Kg-dry	4	2/17/2015 03:25 AM
Zinc	50		3.0	mg/Kg-dry	4	2/17/2015 03:25 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep: SW5035 / 2/13/15	Analyst: BG
Benzene	ND		0.035	mg/Kg-dry	1	2/16/2015 08:10 PM
Ethylbenzene	ND		0.035	mg/Kg-dry	1	2/16/2015 08:10 PM
m,p-Xylene	0.10		0.071	mg/Kg-dry	1	2/16/2015 08:10 PM
o-Xylene	0.035		0.035	mg/Kg-dry	1	2/16/2015 08:10 PM
Toluene	ND		0.035	mg/Kg-dry	1	2/16/2015 08:10 PM
Xylenes, Total	0.14		0.11	mg/Kg-dry	1	2/16/2015 08:10 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	98.7		70-130	%REC	1	2/16/2015 08:10 PM
<i>Surr: 4-Bromofluorobenzene</i>	96.4		70-130	%REC	1	2/16/2015 08:10 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 19-Feb-15

Client: InterTech

Project: Anadarko PF 3526 16P Cuttings 2.11.15

Work Order: 1502518

Sample ID: CPF_3526_16P_SP1

Lab ID: 1502518-01

Collection Date: 2/11/2015 01:30 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Dibromofluoromethane	97.0		70-130	%REC	1	2/16/2015 08:10 PM
Surr: Toluene-d8	98.4		70-130	%REC	1	2/16/2015 08:10 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHOD	Prep: USDA Method 20B / 2/18/15		Analyst: JB
Electrical Conductivity @ Saturation	87		0.050	mmhos/cm @25	10	2/18/2015 12:15 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	18		0.59	mg/Kg-dry	1	2/18/2015 05:10 PM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A / 2/17/15		Analyst: MB
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	2/18/2015 10:30 AM
ANIONS BY ION CHROMATOGRAPHY			SW9056	Prep: EXTRACT / 2/17/15		Analyst: ED
Chloride	11,000		580	mg/Kg-dry	50	2/18/2015 01:47 PM
MOISTURE			E160.3M			Analyst: EVB
Moisture	15		0.050	% of sample	1	2/17/2015 03:05 PM
PH			SW9045D	Prep: EXTRACT / 2/16/15		Analyst: KF
pH	8.1			s.u.	1	2/16/2015 07:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 19-Feb-15

Client: InterTech

Project: Anadarko PF 3526 16P Cuttings 2.11.15

Work Order: 1502518

Sample ID: CPF_3526_16P_SP2

Lab ID: 1502518-02

Collection Date: 2/11/2015 01:40 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep: SW3541 / 2/13/15	Analyst: IT
DRO (C10-C28)	250		4.8	mg/Kg-dry	1	2/16/2015 03:01 PM
Surr: 4-Terphenyl-d14	74.4		39-133	%REC	1	2/16/2015 03:01 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015		Prep: SW5035 / 2/13/15	Analyst: IT
GRO (C6-C10)	ND		3.0	mg/Kg-dry	1	2/16/2015 02:04 PM
Surr: Toluene-d8	108		50-150	%REC	1	2/16/2015 02:04 PM
MERCURY BY CVA			SW7471		Prep: SW7471 / 2/17/15	Analyst: LR
Mercury	0.063		0.016	mg/Kg-dry	1	2/17/2015 07:31 PM
SOLUBLE CATIONS FOR SAR			SW846 6010C		Prep: USDA Method 20B / 2/18/15	Analyst: JEC
Calcium	2,600		5.0	mg/L	10	2/18/2015 12:46 PM
Magnesium	20		2.0	mg/L	10	2/18/2015 12:46 PM
Sodium	8,200		20	mg/L	100	2/18/2015 01:32 PM
SODIUM ADSORPTION RATIO			USDA H60 METHOD		Prep: USDA Method 20B / 2/18/15	Analyst: JEC
Exchangeable Sodium Percentage	39		0.010	none	1	2/18/2015
Sodium Adsorption Ratio	44		0.010	none	1	2/18/2015
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 2/16/15	Analyst: ML
Arsenic	2.9		1.7	mg/Kg-dry	4	2/17/2015 04:01 AM
Barium	1,900		17	mg/Kg-dry	40	2/17/2015 03:16 PM
Cadmium	ND		0.66	mg/Kg-dry	4	2/17/2015 04:01 AM
Chromium	36		1.7	mg/Kg-dry	4	2/17/2015 04:01 AM
Copper	43		1.7	mg/Kg-dry	4	2/17/2015 04:01 AM
Lead	9.4		1.7	mg/Kg-dry	4	2/17/2015 04:01 AM
Nickel	27		1.7	mg/Kg-dry	4	2/17/2015 04:01 AM
Selenium	3.4		1.7	mg/Kg-dry	4	2/17/2015 04:01 AM
Silver	ND		1.7	mg/Kg-dry	4	2/17/2015 04:01 AM
Zinc	70		3.3	mg/Kg-dry	4	2/17/2015 04:01 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep: SW5035 / 2/13/15	Analyst: BG
Benzene	ND		0.036	mg/Kg-dry	1	2/16/2015 08:36 PM
Ethylbenzene	ND		0.036	mg/Kg-dry	1	2/16/2015 08:36 PM
m,p-Xylene	0.20		0.071	mg/Kg-dry	1	2/16/2015 08:36 PM
o-Xylene	0.058		0.036	mg/Kg-dry	1	2/16/2015 08:36 PM
Toluene	0.056		0.036	mg/Kg-dry	1	2/16/2015 08:36 PM
Xylenes, Total	0.26		0.11	mg/Kg-dry	1	2/16/2015 08:36 PM
Surr: 1,2-Dichloroethane-d4	96.8		70-130	%REC	1	2/16/2015 08:36 PM
Surr: 4-Bromofluorobenzene	96.8		70-130	%REC	1	2/16/2015 08:36 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 19-Feb-15

Client: InterTech

Project: Anadarko PF 3526 16P Cuttings 2.11.15

Work Order: 1502518

Sample ID: CPF_3526_16P_SP2

Lab ID: 1502518-02

Collection Date: 2/11/2015 01:40 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Dibromofluoromethane	94.6		70-130	%REC	1	2/16/2015 08:36 PM
Surr: Toluene-d8	97.3		70-130	%REC	1	2/16/2015 08:36 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHOD	Prep: USDA Method 20B / 2/18/15		Analyst: JB
Electrical Conductivity @ Saturation	82		0.050	mmhos/cm @25	10	2/18/2015 12:15 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	35		0.59	mg/Kg-dry	1	2/18/2015 05:10 PM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A / 2/17/15		Analyst: MB
Chromium, Hexavalent	ND		1.2	mg/Kg-dry	1	2/18/2015 10:30 AM
ANIONS BY ION CHROMATOGRAPHY			SW9056	Prep: EXTRACT / 2/17/15		Analyst: ED
Chloride	8,500		590	mg/Kg-dry	50	2/18/2015 04:28 PM
MOISTURE			E160.3M			Analyst: EVB
Moisture	16		0.050	% of sample	1	2/17/2015 03:05 PM
PH			SW9045D	Prep: EXTRACT / 2/16/15		Analyst: KF
pH	9.1			s.u.	1	2/16/2015 07:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 19-Feb-15

Client: InterTech

Project: Anadarko PF 3526 16P Cuttings 2.11.15

Work Order: 1502518

Sample ID: CPF_3526_16P_SP3

Lab ID: 1502518-03

Collection Date: 2/11/2015 01:50 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep: SW3541 / 2/13/15	Analyst: IT
DRO (C10-C28)	320		5.4	mg/Kg-dry	1	2/16/2015 03:31 PM
<i>Surr: 4-Terphenyl-d14</i>	75.4		39-133	%REC	1	2/16/2015 03:31 PM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015		Prep: SW5035 / 2/13/15	Analyst: IT
GRO (C6-C10)	ND		3.3	mg/Kg-dry	1	2/16/2015 02:57 PM
<i>Surr: Toluene-d8</i>	110		50-150	%REC	1	2/16/2015 02:57 PM
MERCURY BY CVA			SW7471		Prep: SW7471 / 2/17/15	Analyst: LR
Mercury	0.017		0.017	mg/Kg-dry	1	2/17/2015 07:33 PM
SOLUBLE CATIONS FOR SAR			SW846 6010C		Prep: USDA Method 20B / 2/18/15	Analyst: JEC
Calcium	570		5.0	mg/L	10	2/18/2015 12:52 PM
Magnesium	70		2.0	mg/L	10	2/18/2015 12:52 PM
Sodium	1,900		2.0	mg/L	10	2/18/2015 12:52 PM
SODIUM ADSORPTION RATIO			USDA H60 METHOD		Prep: USDA Method 20B / 2/18/15	Analyst: JEC
Exchangeable Sodium Percentage	22		0.010	none	1	2/18/2015
Sodium Adsorption Ratio	20		0.010	none	1	2/18/2015
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 2/16/15	Analyst: ML
Arsenic	2.6		1.9	mg/Kg-dry	4	2/17/2015 04:07 AM
Barium	4,600		19	mg/Kg-dry	40	2/17/2015 03:44 PM
Cadmium	ND		0.78	mg/Kg-dry	4	2/17/2015 04:07 AM
Chromium	18		1.9	mg/Kg-dry	4	2/17/2015 04:07 AM
Copper	32		1.9	mg/Kg-dry	4	2/17/2015 04:07 AM
Lead	7.9		1.9	mg/Kg-dry	4	2/17/2015 04:07 AM
Nickel	20		1.9	mg/Kg-dry	4	2/17/2015 04:07 AM
Selenium	ND		1.9	mg/Kg-dry	4	2/17/2015 04:07 AM
Silver	ND		1.9	mg/Kg-dry	4	2/17/2015 04:07 AM
Zinc	37		3.9	mg/Kg-dry	4	2/17/2015 04:07 AM
VOLATILE ORGANIC COMPOUNDS			SW8260B		Prep: SW5035 / 2/13/15	Analyst: BG
Benzene	ND		0.040	mg/Kg-dry	1	2/16/2015 09:03 PM
Ethylbenzene	ND		0.040	mg/Kg-dry	1	2/16/2015 09:03 PM
m,p-Xylene	ND		0.080	mg/Kg-dry	1	2/16/2015 09:03 PM
o-Xylene	ND		0.040	mg/Kg-dry	1	2/16/2015 09:03 PM
Toluene	ND		0.040	mg/Kg-dry	1	2/16/2015 09:03 PM
Xylenes, Total	ND		0.12	mg/Kg-dry	1	2/16/2015 09:03 PM
<i>Surr: 1,2-Dichloroethane-d4</i>	99.4		70-130	%REC	1	2/16/2015 09:03 PM
<i>Surr: 4-Bromofluorobenzene</i>	96.3		70-130	%REC	1	2/16/2015 09:03 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 19-Feb-15

Client: InterTech

Project: Anadarko PF 3526 16P Cuttings 2.11.15

Work Order: 1502518

Sample ID: CPF_3526_16P_SP3

Lab ID: 1502518-03

Collection Date: 2/11/2015 01:50 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Dibromofluoromethane	97.2		70-130	%REC	1	2/16/2015 09:03 PM
Surr: Toluene-d8	94.8		70-130	%REC	1	2/16/2015 09:03 PM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHOD	Prep: USDA Method 20B / 2/18/15		Analyst: JB
Electrical Conductivity @ Saturation	14		0.050	mmhos/cm @25	10	2/18/2015 12:15 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	18		0.67	mg/Kg-dry	1	2/18/2015 05:10 PM
CHROMIUM, HEXAVALENT			SW7196A	Prep: SW3060A / 2/17/15		Analyst: MB
Chromium, Hexavalent	ND		1.3	mg/Kg-dry	1	2/18/2015 10:30 AM
ANIONS BY ION CHROMATOGRAPHY			SW9056	Prep: EXTRACT / 2/17/15		Analyst: ED
Chloride	2,200		130	mg/Kg-dry	10	2/18/2015 04:08 PM
MOISTURE			E160.3M			Analyst: EVB
Moisture	25		0.050	% of sample	1	2/17/2015 03:05 PM
PH			SW9045D	Prep: EXTRACT / 2/16/15		Analyst: KF
pH	8.2			s.u.	1	2/16/2015 07:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 19-Feb-15

Client: InterTech

Project: Anadarko PF 3526 16P Cuttings 2.11.15

Work Order: 1502518

Sample ID: CPF-3526_16P_BG

Lab ID: 1502518-04

Collection Date: 2/11/2015 02:00 PM

Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MERCURY BY CVA			SW7471		Prep: SW7471 / 2/17/15	Analyst: LR
Mercury	ND		0.014	mg/Kg-dry	1	2/17/2015 07:35 PM
SOLUBLE CATIONS FOR SAR			SW846 6010C		Prep: USDA Method 20B / 2/18/15	Analyst: JEC
Calcium	190		5.0	mg/L	10	2/18/2015 12:58 PM
Magnesium	20		2.0	mg/L	10	2/18/2015 12:58 PM
Sodium	8.8		2.0	mg/L	10	2/18/2015 12:58 PM
SODIUM ADSORPTION RATIO			USDA H60 METHOD		Prep: USDA Method 20B / 2/18/15	Analyst: JEC
Exchangeable Sodium Percentage	ND		0.010	none	1	2/18/2015
Sodium Adsorption Ratio	0.16		0.010	none	1	2/18/2015
METALS BY ICP-MS			SW6020A		Prep: SW3050B / 2/16/15	Analyst: ML
Arsenic	2.7		1.6	mg/Kg-dry	4	2/17/2015 04:13 AM
Barium	230		1.6	mg/Kg-dry	4	2/17/2015 03:54 PM
Cadmium	ND		0.65	mg/Kg-dry	4	2/17/2015 04:13 AM
Chromium	7.9		1.6	mg/Kg-dry	4	2/17/2015 04:13 AM
Copper	10		1.6	mg/Kg-dry	4	2/17/2015 04:13 AM
Lead	9.3		1.6	mg/Kg-dry	4	2/17/2015 04:13 AM
Nickel	8.4		1.6	mg/Kg-dry	4	2/17/2015 04:13 AM
Selenium	ND		1.6	mg/Kg-dry	4	2/17/2015 04:13 AM
Silver	ND		1.6	mg/Kg-dry	4	2/17/2015 04:13 AM
Zinc	25		3.2	mg/Kg-dry	4	2/17/2015 04:13 AM
ELECTRICAL CONDUCTIVITY (SAR)			USDA H60 METHOD		Prep: USDA Method 20B / 2/18/15	Analyst: JB
Electrical Conductivity @ Saturation	1.3		0.050	mmhos/cm @25	10	2/18/2015 12:15 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: MB
Chromium, Trivalent	7.9		0.56	mg/Kg-dry	1	2/18/2015 05:10 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep: SW3060A / 2/17/15	Analyst: MB
Chromium, Hexavalent	ND		1.1	mg/Kg-dry	1	2/18/2015 10:30 AM
ANIONS BY ION CHROMATOGRAPHY			SW9056		Prep: EXTRACT / 2/17/15	Analyst: ED
Chloride	ND		11	mg/Kg-dry	1	2/18/2015 03:47 PM
MOISTURE			E160.3M			Analyst: EVB
Moisture	11		0.050	% of sample	1	2/17/2015 03:05 PM
PH			SW9045D		Prep: EXTRACT / 2/16/15	Analyst: KF
pH	8.2			s.u.	1	2/16/2015 07:00 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group USA, Corp

Date: 19-Feb-15

Client: InterTech

QC BATCH REPORT

Work Order: 1502518

Project: Anadarko PF 3526 16P Cuttings 2.11.15

Batch ID: 67689 Instrument ID GC8 Method: SW8015M

MBLK		Sample ID: DBLKS1-67689-67689				Units: mg/Kg		Analysis Date: 2/16/2015 11:02 AM		
Client ID:		Run ID: GC8_150216A		SeqNo: 3144480		Prep Date: 2/13/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	ND	5.0								
<i>Surr: 4-Terphenyl-d14</i>	1.335	0	2	0	66.7	39-133	0			

LCS		Sample ID: DLCSS1-67689-67689				Units: mg/Kg		Analysis Date: 2/16/2015 11:32 AM		
Client ID:		Run ID: GC8_150216A		SeqNo: 3144481		Prep Date: 2/13/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	152.7	5.0	200	0	76.4	61-109	0			
<i>Surr: 4-Terphenyl-d14</i>	1.279	0	2	0	64	39-133	0			

MS		Sample ID: 1502516-01B MS				Units: mg/Kg		Analysis Date: 2/16/2015 12:02 PM		
Client ID:		Run ID: GC8_150216A		SeqNo: 3144482		Prep Date: 2/13/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	383	8.0	318.8	102.8	87.9	48-110	0			
<i>Surr: 4-Terphenyl-d14</i>	4.431	0	3.188	0	139	39-133	0			S

MSD		Sample ID: 1502516-01B MSD				Units: mg/Kg		Analysis Date: 2/16/2015 12:32 PM		
Client ID:		Run ID: GC8_150216A		SeqNo: 3144483		Prep Date: 2/13/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
DRO (C10-C28)	359.9	7.9	316.7	102.8	81.2	48-110	383	6.23	30	
<i>Surr: 4-Terphenyl-d14</i>	3.967	0	3.167	0	125	39-133	4.431	11.1	30	

The following samples were analyzed in this batch: | 1502518-01B | 1502518-02B | 1502518-03B |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

QC Page: 1 of 14

RECEIVED: Feb. 24, 2015

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **67697** Instrument ID **GC9** Method: **SW8015**

MBLK		Sample ID: MBLK-67697-67697				Units: µg/Kg		Analysis Date: 2/16/2015 12:00 PM		
Client ID:		Run ID: GC9_150216A		SeqNo: 3144467		Prep Date: 2/13/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	ND	2,500								
<i>Surr: Toluene-d8</i>	5147	0	5000	0	103	50-150	0			

LCS		Sample ID: LCS-67697-67697				Units: µg/Kg		Analysis Date: 2/16/2015 11:36 AM		
Client ID:		Run ID: GC9_150216A		SeqNo: 3144466		Prep Date: 2/13/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	485300	2,500	500000	0	97.1	70-130	0			
<i>Surr: Toluene-d8</i>	5120	0	5000	0	102	50-150	0			

MS		Sample ID: 1502518-01A MS				Units: µg/Kg		Analysis Date: 2/16/2015 03:22 PM		
Client ID: CPF_3526_16P_SP1		Run ID: GC9_150216A		SeqNo: 3144822		Prep Date: 2/13/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	503500	2,500	500000	0	101	70-130	0			
<i>Surr: Toluene-d8</i>	4704	0	5000	0	94.1	50-150	0			

MSD		Sample ID: 1502518-01A MSD				Units: µg/Kg		Analysis Date: 2/16/2015 03:47 PM		
Client ID: CPF_3526_16P_SP1		Run ID: GC9_150216A		SeqNo: 3144823		Prep Date: 2/13/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	480500	2,500	500000	0	96.1	70-130	503500	4.68	30	
<i>Surr: Toluene-d8</i>	4681	0	5000	0	93.6	50-150	4704	0.48	30	

The following samples were analyzed in this batch:

1502518-01A	1502518-02A	1502518-03A
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Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **67776** Instrument ID **HG1** Method: **SW7471**

MBLK		Sample ID: MBLK-67776-67776				Units: mg/Kg		Analysis Date: 2/17/2015 06:56 PM		
Client ID:		Run ID: HG1_150217A				SeqNo: 3146727		Prep Date: 2/17/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury ND 0.020

LCS		Sample ID: LCS-67776-67776				Units: mg/Kg		Analysis Date: 2/17/2015 06:58 PM		
Client ID:		Run ID: HG1_150217A				SeqNo: 3146728		Prep Date: 2/17/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1758 0.020 0.1665 0 106 80-120 0

MS		Sample ID: 1502573-01BMS				Units: mg/Kg		Analysis Date: 2/17/2015 07:47 PM		
Client ID:		Run ID: HG1_150217A				SeqNo: 3146749		Prep Date: 2/17/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1189 0.013 0.1099 0.0009101 107 75-125 0

MSD		Sample ID: 1502573-01BMSD				Units: mg/Kg		Analysis Date: 2/17/2015 07:49 PM		
Client ID:		Run ID: HG1_150217A				SeqNo: 3146750		Prep Date: 2/17/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Mercury 0.1142 0.013 0.107 0.0009101 106 75-125 0.1189 4.06 35

The following samples were analyzed in this batch:

1502518-01B	1502518-02B	1502518-03B
1502518-04B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **67741** Instrument ID **ICP2** Method: **SW846 6010C**

DUP		Sample ID: 1502628-01CDUP				Units: mg/L		Analysis Date: 2/18/2015 01:09 PM		
Client ID:		Run ID: ICP2_150218A			SeqNo: 3147855		Prep Date: 2/18/2015		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	394.7	5.0	0	0	0	0-0	0	0	0	
Magnesium	51.57	2.0	0	0	0	0-0	0	0	0	
Sodium	41.69	2.0	0	0	0	0-0	0	0	0	

DUP		Sample ID: 1502628-01CDUP				Units: none		Analysis Date: 2/18/2015		
Client ID:		Run ID: SAR_150218A			SeqNo: 3147879		Prep Date: 2/18/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Exchangeable Sodium Percentage	ND	0.010	0	0	0		-0.123	0	50	
Sodium Adsorption Ratio	0.5241	0.010	0	0	0		0.7709	38.1	50	

The following samples were analyzed in this batch:

1502518-01C	1502518-02C	1502518-03C
1502518-04C		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **67748** Instrument ID **ICPMS1** Method: **SW6020A**

MBLK		Sample ID: MBLK-67748-67748				Units: mg/Kg		Analysis Date: 2/17/2015 12:45 AM		
Client ID:		Run ID: ICPMS1_150216A			SeqNo: 3145619		Prep Date: 2/16/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	ND	0.25								
Barium	0.007745	0.25								J
Cadmium	ND	0.10								
Chromium	ND	0.25								
Copper	ND	0.25								
Lead	ND	0.25								
Nickel	ND	0.25								
Selenium	ND	0.25								
Silver	ND	0.25								
Zinc	ND	0.50								

LCS		Sample ID: LCS-67748-67748				Units: mg/Kg		Analysis Date: 2/17/2015 01:34 AM		
Client ID:		Run ID: ICPMS1_150216A			SeqNo: 3145636		Prep Date: 2/16/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	4.636	0.25	5	0	92.7	80-120	0			
Barium	4.994	0.25	5	0	99.9	80-120	0			
Cadmium	4.978	0.10	5	0	99.6	80-120	0			
Chromium	4.892	0.25	5	0	97.8	80-120	0			
Copper	4.842	0.25	5	0	96.8	80-120	0			
Lead	4.808	0.25	5	0	96.2	80-120	0			
Nickel	4.849	0.25	5	0	97	80-120	0			
Selenium	4.898	0.25	5	0	98	80-120	0			
Silver	4.825	0.25	5	0	96.5	80-120	0			
Zinc	4.834	0.50	5	0	96.7	80-120	0			

MS		Sample ID: 1502517-06BMS				Units: mg/Kg		Analysis Date: 2/17/2015 02:48 AM		
Client ID:		Run ID: ICPMS1_150216A			SeqNo: 3145660		Prep Date: 2/16/2015		DF: 4	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	11.58	1.5	7.474	1.842	130	75-125	0			S
Barium	19.93	1.5	7.474	12.2	103	75-125	0			
Cadmium	8.762	0.60	7.474	0.1195	116	75-125	0			
Chromium	18.74	1.5	7.474	9.648	122	75-125	0			
Copper	15.33	1.5	7.474	8.202	95.3	75-125	0			
Lead	12.07	1.5	7.474	4.042	107	75-125	0			
Nickel	14.52	1.5	7.474	5.636	119	75-125	0			
Selenium	8.105	1.5	7.474	0.9534	95.7	75-125	0			
Silver	7.638	1.5	7.474	0.01185	102	75-125	0			
Zinc	28.48	3.0	7.474	18.92	128	75-125	0			S

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **67748** Instrument ID **ICPMS1** Method: **SW6020A**

MSD		Sample ID: 1502517-06BMSD				Units: mg/Kg		Analysis Date: 2/17/2015 02:54 AM			
Client ID:		Run ID: ICPMS1_150216A			SeqNo: 3145663		Prep Date: 2/16/2015		DF: 4		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	11.41	1.5	7.508	1.842	127	75-125	11.58	1.5	25	S	
Barium	17.54	1.5	7.508	12.2	71.1	75-125	19.93	12.7	25	S	
Cadmium	9.024	0.60	7.508	0.1195	119	75-125	8.762	2.94	25		
Chromium	18.49	1.5	7.508	9.648	118	75-125	18.74	1.34	25		
Copper	15.43	1.5	7.508	8.202	96.2	75-125	15.33	0.644	25		
Lead	12.14	1.5	7.508	4.042	108	75-125	12.07	0.598	25		
Nickel	14.44	1.5	7.508	5.636	117	75-125	14.52	0.585	25		
Selenium	8.357	1.5	7.508	0.9534	98.6	75-125	8.105	3.07	25		
Silver	7.901	1.5	7.508	0.01185	105	75-125	7.638	3.38	25		
Zinc	28.86	3.0	7.508	18.92	132	75-125	28.48	1.33	25	S	

The following samples were analyzed in this batch:

1502518-01B	1502518-02B	1502518-03B
1502518-04B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **67694** Instrument ID **VMS7** Method: **SW8260B**

MBLK		Sample ID: MBLK-67694-67694			Units: µg/Kg			Analysis Date: 2/13/2015 01:24 PM		
Client ID:		Run ID: VMS7_150213A			SeqNo: 3143936			Prep Date: 2/13/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	ND	30								
Ethylbenzene	ND	30								
m,p-Xylene	ND	60								
o-Xylene	ND	30								
Toluene	ND	30								
Xylenes, Total	ND	90								
<i>Surr: 1,2-Dichloroethane-d4</i>	961	0	1000	0	96.1	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	990.5	0	1000	0	99	70-130	0			
<i>Surr: Dibromofluoromethane</i>	974.5	0	1000	0	97.4	70-130	0			
<i>Surr: Toluene-d8</i>	961.5	0	1000	0	96.2	70-130	0			

LCS		Sample ID: LCS-67694-67694			Units: µg/Kg			Analysis Date: 2/13/2015 11:43 AM		
Client ID:		Run ID: VMS7_150213A			SeqNo: 3143933			Prep Date: 2/13/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	947.5	30	1000	0	94.8	75-125	0			
Ethylbenzene	958.5	30	1000	0	95.8	75-125	0			
m,p-Xylene	1898	60	2000	0	94.9	80-125	0			
o-Xylene	956.5	30	1000	0	95.6	75-125	0			
Toluene	937	30	1000	0	93.7	70-125	0			
Xylenes, Total	2855	90	3000	0	95.2	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	946.5	0	1000	0	94.6	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	967	0	1000	0	96.7	70-130	0			
<i>Surr: Dibromofluoromethane</i>	1004	0	1000	0	100	70-130	0			
<i>Surr: Toluene-d8</i>	963	0	1000	0	96.3	70-130	0			

MS		Sample ID: 1502495-27A MS			Units: µg/Kg			Analysis Date: 2/14/2015 09:19 AM		
Client ID:		Run ID: VMS6_150213A			SeqNo: 3144221			Prep Date: 2/13/2015		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1065	30	1000	0	106	75-125	0			
Ethylbenzene	1116	30	1000	0	112	75-125	0			
m,p-Xylene	2181	60	2000	0	109	80-125	0			
o-Xylene	1058	30	1000	0	106	75-125	0			
Toluene	1072	30	1000	0	107	70-125	0			
Xylenes, Total	3240	90	3000	0	108	75-125	0			
<i>Surr: 1,2-Dichloroethane-d4</i>	946.5	0	1000	0	94.6	70-130	0			
<i>Surr: 4-Bromofluorobenzene</i>	976	0	1000	0	97.6	70-130	0			
<i>Surr: Dibromofluoromethane</i>	1047	0	1000	0	105	70-130	0			
<i>Surr: Toluene-d8</i>	982.5	0	1000	0	98.2	70-130	0			

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **67694** Instrument ID **VMS7** Method: **SW8260B**

MSD		Sample ID: 1502495-27A MSD				Units: µg/Kg		Analysis Date: 2/14/2015 09:45 AM		
Client ID:		Run ID: VMS6_150213A			SeqNo: 3144223		Prep Date: 2/13/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	992.5	30	1000	0	99.2	75-125	1065	7.05	30	
Ethylbenzene	1030	30	1000	0	103	75-125	1116	8.01	30	
m,p-Xylene	2050	60	2000	0	102	80-125	2181	6.22	30	
o-Xylene	998	30	1000	0	99.8	75-125	1058	5.88	30	
Toluene	1001	30	1000	0	100	70-125	1072	6.8	30	
Xylenes, Total	3048	90	3000	0	102	75-125	3240	6.11	30	
<i>Surr: 1,2-Dichloroethane-d4</i>	950.5	0	1000	0	95	70-130	946.5	0.422	30	
<i>Surr: 4-Bromofluorobenzene</i>	973.5	0	1000	0	97.4	70-130	976	0.256	30	
<i>Surr: Dibromofluoromethane</i>	1046	0	1000	0	105	70-130	1047	0.0956	30	
<i>Surr: Toluene-d8</i>	983	0	1000	0	98.3	70-130	982.5	0.0509	30	

The following samples were analyzed in this batch: | 1502518-01A | 1502518-02A | 1502518-03A |

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **67741** Instrument ID **WETCHEM** Method: **USDA H60 Method**

DUP	Sample ID: 1502628-01C DUP					Units: mmhos/cm @25°C	Analysis Date: 2/18/2015 12:15 PM			
Client ID:	Run ID: WETCHEM_150218G			SeqNo: 3147670	Prep Date: 2/18/2015	DF: 10				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	3.06	0.050	0	0	0		2.4	24.2	50	

The following samples were analyzed in this batch:

1502518-01C	1502518-02C	1502518-03C
1502518-04C		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **67764** Instrument ID **WETCHEM** Method: **SW9045D**

DUP		Sample ID: 1502516-01B DUP					Units: s.u.		Analysis Date: 2/16/2015 07:00 PM		
Client ID:		Run ID: WETCHEM_150216G			SeqNo: 3145128		Prep Date: 2/16/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH	8.65	0	0	0	0	0-0	8.51	1.63	20		

DUP		Sample ID: 1502573-01B DUP					Units: s.u.		Analysis Date: 2/16/2015 07:00 PM		
Client ID:		Run ID: WETCHEM_150216G			SeqNo: 3145134		Prep Date: 2/16/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
pH	9.06	0	0	0	0	0-0	9.08	0.221	20		

The following samples were analyzed in this batch:

1502518-01B	1502518-02B	1502518-03B
1502518-04B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **67794** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK		Sample ID: MBLK-67794-67794				Units: mg/Kg		Analysis Date: 2/18/2015 10:30 AM		
Client ID:		Run ID: WETCHEM_150218A		SeqNo: 3147558		Prep Date: 2/17/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent ND 1.0

LCS		Sample ID: LCS-67794-67794				Units: mg/Kg		Analysis Date: 2/18/2015 10:30 AM		
Client ID:		Run ID: WETCHEM_150218A		SeqNo: 3147559		Prep Date: 2/17/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 4.52 1.0 5 0 90.4 80-120 0

MS		Sample ID: 1502628-02B MS				Units: mg/Kg		Analysis Date: 2/18/2015 10:30 AM		
Client ID:		Run ID: WETCHEM_150218A		SeqNo: 3147566		Prep Date: 2/17/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 3.74 1.0 5 0 74.8 75-125 0 S

MS		Sample ID: 1502628-02B MSI				Units: mg/Kg		Analysis Date: 2/18/2015 10:30 AM		
Client ID:		Run ID: WETCHEM_150218A		SeqNo: 3147574		Prep Date: 2/17/2015		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1720 100 1866 0 92.2 75-125 0

MSD		Sample ID: 1502628-02B MSD				Units: mg/Kg		Analysis Date: 2/18/2015 10:30 AM		
Client ID:		Run ID: WETCHEM_150218A		SeqNo: 3147567		Prep Date: 2/17/2015		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 3.61 1.0 5 0 72.2 75-125 3.74 3.54 20 S

The following samples were analyzed in this batch:

1502518-01B	1502518-02B	1502518-03B
1502518-04B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **67802** Instrument ID **IC4** Method: **SW9056**

MBLK		Sample ID: MBLK-67802-67802				Units: mg/Kg		Analysis Date: 2/18/2015 07:01 AM		
Client ID:		Run ID: IC4_150218A			SeqNo: 3148650		Prep Date: 2/17/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride ND 10

MBLK		Sample ID: MBLK-67802-67802				Units: mg/Kg		Analysis Date: 2/18/2015 01:14 PM		
Client ID:		Run ID: IC3_150218A			SeqNo: 3148737		Prep Date: 2/17/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride ND 10

LCS		Sample ID: LCS-67802-67802				Units: mg/Kg		Analysis Date: 2/18/2015 07:21 AM		
Client ID:		Run ID: IC4_150218A			SeqNo: 3148651		Prep Date: 2/17/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 98.29 10 100 0 98.3 80-120 0

LCS		Sample ID: LCS-67802-67802				Units: mg/Kg		Analysis Date: 2/18/2015 01:35 PM		
Client ID:		Run ID: IC3_150218A			SeqNo: 3148738		Prep Date: 2/17/2015		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 95.75 10 100 0 95.8 80-120 0

MS		Sample ID: 1502518-01B MS				Units: mg/Kg		Analysis Date: 2/18/2015 02:07 PM		
Client ID: CPF_3526_16P_SP1		Run ID: IC4_150218A			SeqNo: 3148659		Prep Date: 2/17/2015		DF: 50	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 8357 490 98.81 8944 -593 75-125 0 SO

MSD		Sample ID: 1502518-01B MSD				Units: mg/Kg		Analysis Date: 2/18/2015 03:27 PM		
Client ID: CPF_3526_16P_SP1		Run ID: IC4_150218A			SeqNo: 3148663		Prep Date: 2/17/2015		DF: 50	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 8858 490 98.81 8944 -87.1 75-125 8357 5.81 20 SO

DUP		Sample ID: 1502120-06A DUP				Units: mg/Kg		Analysis Date: 2/18/2015 02:15 PM		
Client ID:		Run ID: IC3_150218A			SeqNo: 3148740		Prep Date: 2/17/2015		DF: 5	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chloride 573.4 50 0 0 0 0-0 580 1.15 20

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **67802** Instrument ID **IC4** Method: **SW9056**

The following samples were analyzed in this batch:

1502518-01B	1502518-02B	1502518-03B
1502518-04B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.

Client: InterTech
Work Order: 1502518
Project: Anadarko PF 3526 16P Cuttings 2.11.15

QC BATCH REPORT

Batch ID: **R157694** Instrument ID **MOIST** Method: **E160.3M**

MBLK		Sample ID: WBLKS-R157694				Units: % of sample			Analysis Date: 2/17/2015 03:05 PM		
Client ID:		Run ID: MOIST_150217B				SeqNo: 3147626			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture ND 0.050

LCS		Sample ID: LCS-R157694				Units: % of sample			Analysis Date: 2/17/2015 03:05 PM		
Client ID:		Run ID: MOIST_150217B				SeqNo: 3147625			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 100 0.050 100 0 100 99.5-100.5 0

DUP		Sample ID: 1502516-01B DUP				Units: % of sample			Analysis Date: 2/17/2015 03:05 PM		
Client ID:		Run ID: MOIST_150217B				SeqNo: 3147606			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 32.77 0.050 0 0 0 36.44 10.6 20

DUP		Sample ID: 1502518-03B DUP				Units: % of sample			Analysis Date: 2/17/2015 03:05 PM		
Client ID: CPF_3526_16P_SP3		Run ID: MOIST_150217B				SeqNo: 3147617			Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	

Moisture 25.26 0.050 0 0 0 24.96 1.19 20

The following samples were analyzed in this batch:

1502518-01B	1502518-02B	1502518-03B
1502518-04B		

Note: See Qualifiers Page for a list of Qualifiers and their explanation.



Environmental

Chain of Custody Form

Page 1 of 1

COC ID: 123456

- Cincinnati, OH +1 513 733 5336
- Everett, WA +1 425 356 2600
- Fort Collins, CO +1 970 490 1511
- Holland, MI +1 616 399 6070
- Houston, TX +1 281 530 5656
- Middletown, PA +1 717 944 5541
- Salt Lake City, UT +1 801 266 7700
- Spring City, PA +1 610 948 4903
- York, PA +1 717 505 5280

Customer Information		Project Information					Parameter/Method Request for Analysis											
Purchase Order		Project Name	CPF_3526_16P_Cuttings			A	BTEX, GRO											
Work Order		Project Number				B	DRO											
Company Name	Anadarko	Bill To Company	Anadarko			C	EC, SAR, ESP, pH											
Send Report To	Chantill Recker	Invoice Attn:	Chantill Recker			D	As, Ba, Cd, CrIII, CrVI, Cu, Pd, Hg, Se, Ag, Zn											
Address	1368 S 1200 E	Address	1368 S 1200 E			E	Chlorides											
City/State/Zip	Vernal, UT	City/State/Zip	Vernal, UT			F												
Phone	435.781.7078	Phone	435.781.7078			G												
Fax		Fax				H												
e-Mail Address	chantill.recker@anadarko.com	e-Mail Address	chantill.recker@anadarko.com			I												
e-Mail Address	chantill.recker@anadarko.com	e-Mail Address	chantill.recker@anadarko.com			J												
No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold	
1	CPF_3526_16P_SP1	02/11/15	1330	Soil		5	x	x	x	x	x							
2	CPF_3526_16P_SP2	02/11/15	1340	Soil		5	x	x	x	x	x							
3	CPF_3526_16P_SP3	02/11/15	1350	Soil		5	x	x	x	x	x							
4	CPF_3526_16P_BG	02/11/15	1400	Soil		5			x	x	x							
5																		
6																		
7																		
8																		
9																		
10																		
Sampler(s): Please Print & Sign Jana Nilsen		Shipment Method: FedEx		Required Turnaround Time: <input checked="" type="checkbox"/> STD 10 Wk Days <input type="checkbox"/> 5 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour			Other		Results Due Date:									
Relinquished by:	Date:	Time:	Received by:		Notes:													
<i>[Signature]</i>	2/11/15	1700	FEDEx															
Relinquished by:	Date:	Time:	Received by (Laboratory):		Cooler Temp.	QC Package: (Check Box Below)												
FEDEx	2/12/15	0930	<i>[Signature]</i>		30°C	<input type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Std QC + Raw Data <input type="checkbox"/> Level IV: SW846 CLP-Like Other:												
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):															
Kew	2/12/15	1525	<i>[Signature]</i>															
Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8- degrees C 9-5035																		

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental.

ALS Group USA, Corp

Sample Receipt Checklist

Client Name: **INTERTECH**

Date/Time Received: **12-Feb-15 09:30**

Work Order: **1502518**

Received by: **KRW**

Checklist completed by Keith Warenga 12-Feb-15
eSignature Date

Reviewed by: Ann Preston 12-Feb-15
eSignature Date

Matrices: Soil
Carrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>3.0 C</u>		<u>SR2</u>
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>2/12/2015 3:30:47 PM</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<u></u>		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:
Contacted By: Regarding:

Comments:

CorrectiveAction:

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	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-52114
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217	7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0315 FSL 0430 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 16 Township: 35.0S Range: 26.0E Meridian: S	8. WELL NAME and NUMBER: CEDAR POINT FEE 3526-16-1H
PHONE NUMBER: 720 929-6100 Ext	9. API NUMBER: 43037500600000
9. FIELD and POOL or WILDCAT: WILDCAT	COUNTY: SAN JUAN
	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: 5/5/2015	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="DRILL CUTTINGS"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

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

ANADARKO E&P ONSHORE, LLC is requesting to haul and dispose of 55 tons of drill cuttings to Reams Construction Disposal Facility located in Naturita, CO.

Approved by the
April 20, 2015
Oil, Gas and Mining

Date: _____
By: 

NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 4/20/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-52114
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC	7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217	8. WELL NAME and NUMBER: CEDAR POINT FEE 3526-16-1H
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0315 FSL 0430 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 16 Township: 35.0S Range: 26.0E Meridian: S	9. API NUMBER: 43037500600000
9. FIELD and POOL or WILDCAT: WILDCAT	COUNTY: SAN JUAN
9. API NUMBER: 43037500600000	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: 4/21/2015	<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 type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="SHUT-IN/PIT EXTENSION"/>

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

ANADARKO E&P ONSHORE, LLC IS REQUESTING A 2 MONTH SHUT-IN AND COMPLETIONS PIT EXTENSION FOR THE CEDAR POINT FEE 3526-16-1H. THE WELL WAS COMPLETED ON 05/12/2014 AND TESTED FOR PRODUCTION FROM 05/12/2014-07/01/2014. ON 07/01/2014 THE WELL WAS SHUT IN. THE DRILL CUTTINGS PIT AND COMPLETIONS PIT REMAIN ON LOCATION. WE RECEIVED APPROVAL 04/20/2015 TO HAUL AND DISPOSE OF THE DRILL CUTTINGS TO REAMS CONSTRUCTION DISPOSAL FACILITY WHICH WILL BEGIN IN APPROXIMATELY TWO WEEKS. THE COMPLETIONS PIT HAS APPROXIMATELY 10,000 BBLs IN THE PIT. THE LOCATION HAS BEEN INSPECTED ON A MONTHLY BASIS SINCE JANUARY 2015 WITH THE LAST INSPECTION ON 03/26/2015 WITH THE COMPLETIONS PIT, NETTING AND FENCING IN GOOD SHAPE. THERE HAS BEEN NO COMPLIANCE ISSUES ON THIS LOCATION.

Approved by the
May 08, 2015
Oil, Gas and Mining

Date: _____

By: 

NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 4/21/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: ML-52114
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: CEDAR POINT FEE 3526-16-1H
2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC	9. API NUMBER: 43037500600000
3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217	PHONE NUMBER: 720 929-6100 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0315 FSL 0430 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 16 Township: 35.0S Range: 26.0E Meridian: S	9. FIELD and POOL or WILDCAT: WILDCAT
	COUNTY: SAN JUAN
	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: 7/15/2015	<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
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	<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 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.

ANADARKO E&P ONSHORE, LLC IS REQUESTING TO PLUG AND ABANDON THE CEDAR POINT FEE 3526-16-1H. SEE THE ATTACHED P&A PROCEDURES.

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: July 22, 2015
 By: 

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 6/26/2015	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43037500600000

- 1. Notify the Division at least 24 hours prior to conducting abandonment operations. Please call Dan Jarvis at 801-538-5338.**
- 2. All balanced plugs shall be tagged to ensure they are at the depths specified in the procedure.**
 - 3. All annuli shall be cemented from a minimum depth of 100' to the surface.**
 - 4. Surface reclamation shall be done in accordance with R649-3-34 – Well Site Restoration.**
 - 5. All requirements in the Oil and Gas Conservation General Rule R649-3-24 shall apply.**
- 6. If there are any changes to the procedure or the wellbore configuration, notify Dustin Doucet at 801-538-5281 (ofc) or 801-733-0983 (home) prior to continuing with the procedure.**
- 7. All other requirements for notice and reporting in the Oil and Gas Conservation General Rules shall apply.**

Wellbore Diagram

API Well No: 43-037-50060-00-00 Permit No: Well Name/No: CEDAR POINT FEE 3526-16-1H

Company Name: ANADARKO E&P ONSHORE, LLC

Location: Sec: 16 T: 35S R: 26E Spot: SESE

Coordinates: X: 670496 Y: 4177459

Field Name: WILDCAT

County Name: SAN JUAN

String Information

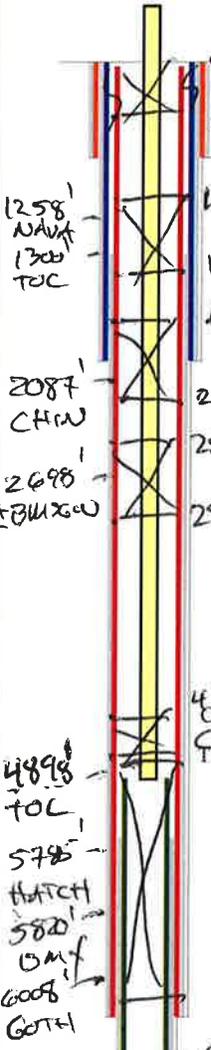
String	Bottom (ft sub)	Diameter (inches)	Weight (lb/ft)	Length (ft)
HOL1	40	30		
COND	40	20	90	40
HOL2	2042	12.25		
SURF	2042	9.625	36	2042
HOL3	6514	8.75		
II	6514	7	29	6514
HOL4	9759	6		
PROD	9759	4.5	15.1	9759
TI	4896	2.375		

Capacity (S/CF)

41.794

12.525

5.995



Plug #5
 $100' / (1.15) (4.794) = 19.5x$
 $100' / (1.15) (5.995) = 15.5x$
 Cement from 40 ft. to surface
 Conductor: 20 in. @ 40 ft.
 Hole: 30 in. @ 40 ft.
Plug #4
 $(38x) (1.15) (4.794) = 209'$
 Cement from 2042 ft. to surface
 Surface: 9.625 in. @ 2042 ft.
 Hole: 12.25 in. @ 2042 ft.
Plug #3
 $(41.5x) (1.15) (4.794) = 226'$
 Cement from 6514 ft. to 1300 ft.
 Intermediate: 7 in. @ 6514 ft.
 Hole: 8.75 in. @ 6514 ft.
 Cement from 9759 ft. to 5288 ft.
 Tubing: 2.375 in. @ 4896 ft.
Plug #2
 $(52x) (1.15) (4.794) = 286'$
 Cement from 6514 ft. to 1300 ft.
 Intermediate: 7 in. @ 6514 ft.
 Hole: 8.75 in. @ 6514 ft.
 Cement from 9759 ft. to 5288 ft.
 Tubing: 2.375 in. @ 4896 ft.
Plug #1
 * if can't reject call for orders.
 Below $8' / (1.15) (4.794) = 2.5x$
 $(93.5x) (1.15) (12.525) = 1340'$
 max
 BOC max = 6230'
 Production: 4.5 in. @ 9759 ft.
 Hole: 6 in. @ 9759 ft.
 $(19.5x) (1.15) (4.794) = 105'$
 TOC @ 4790'

Cement Information

String	BOC (ft sub)	TOC (ft sub)	Class	Sacks
COND	40	0	UK	108
II	6514	1300	UK	555
PROD	9759	5288	G	355
SURF	2042	0	UK	485

Perforation Information

Top (ft sub)	Bottom (ft sub)	Shts/Ft	No Shts	Dt Squeeze
6575	9508			

Formation Information

Formation	Depth
NAVA	1258
CHIN	2087
HATCH	5785
ISMY	5820
HOVWP	5897
GOTH	6008
DSCR	6069
CMYRK	6153

TD: 9759 TVD: 5890 PBD: 9566

CEDAR POINT FEE 3526-16-1H
SESE 315 FSL 430 FEL (AT SURFACE)
SESE SEC. 16, T35S, R26E
SAN JUAN COUNTY, UT

RKB: 6724'
TVD: 5890'
MD: 9759'
PBSD: 9666'

API NUMBER: 43-037-50060
LEASE NUMBER: ML-52115

CASING : **12.25" Hole**
 9.625", 36#, J-55 @ 0' - 2042'
 Top Cement 0' (based on drilling report) - cemented with 355 sks of 2.38 yield.
 Perform top out cement job with 130 sks of 15.8 ppg cement. Cemented to surface

8.75" Hole
 7", 29#, P-110 @ 31' - 6514'
 Cemented with 215 sx. PREMIUM CLASS G
 Top Cement 1300' (based on 9/23/13 CBL) - lead cement w/ 220 sks 1.93 yield, tail cement w/ 335 sks 1.49 yield

6" Hole
 4.5", 15.1#, P-110 @ 4887' - 9759'
 Cemented with 355 sx. PREMIUM CLASS G
 Top Cement 5288' -9619'

TUBING: no tbg downhole

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 15.1# P-110 liner	3.701	6350	7780	0.5972	0.0798	0.0142
7" 29# P-110 csg	8.845	1400	2270	1.5603	0.2086	0.0371
Annular Capacities						
2.375" tbg. X 4 1/2" 15.1# liner				0.2600	0.0348	0.0062
2.375" tbg X 7" 29# csg				1.2230	0.1635	0.0291
7" 29# csg X 9.625" 40# csg				1.1855	0.1585	0.0282

GEOLOGIC INFORMATION:

Formation	Top Measured depth
Navajo	1258'
Chinle	2087'
White Rim SS	2613'
Hatch	5782'
Ismay	5820'
Hovenweep	5897'
Lower Ismay	5949'
Gothic	6008'
Desert Creek	6069'
Chimney Rock	6153'

BMSW Elevation ~2698' KBE (based on DNR technical publication #94)

PERFORATIONS:

Formation	Top, MD	Base, MD	Status
GOthic	6575'	9508'	376 holes

Relevant History:

9/15/13: Started drilling
 5/7/14: Completions – started fracking
 5/18/14: finish drilling out plugs
 5/22/14: run tbg to 4896', run rods, set pumping unit
 10/24/14: Pull out rods and tbg. NUWH (Note that tbg hanger has bad threads and was sent to Vernal, no hanger left on well)

GENERAL

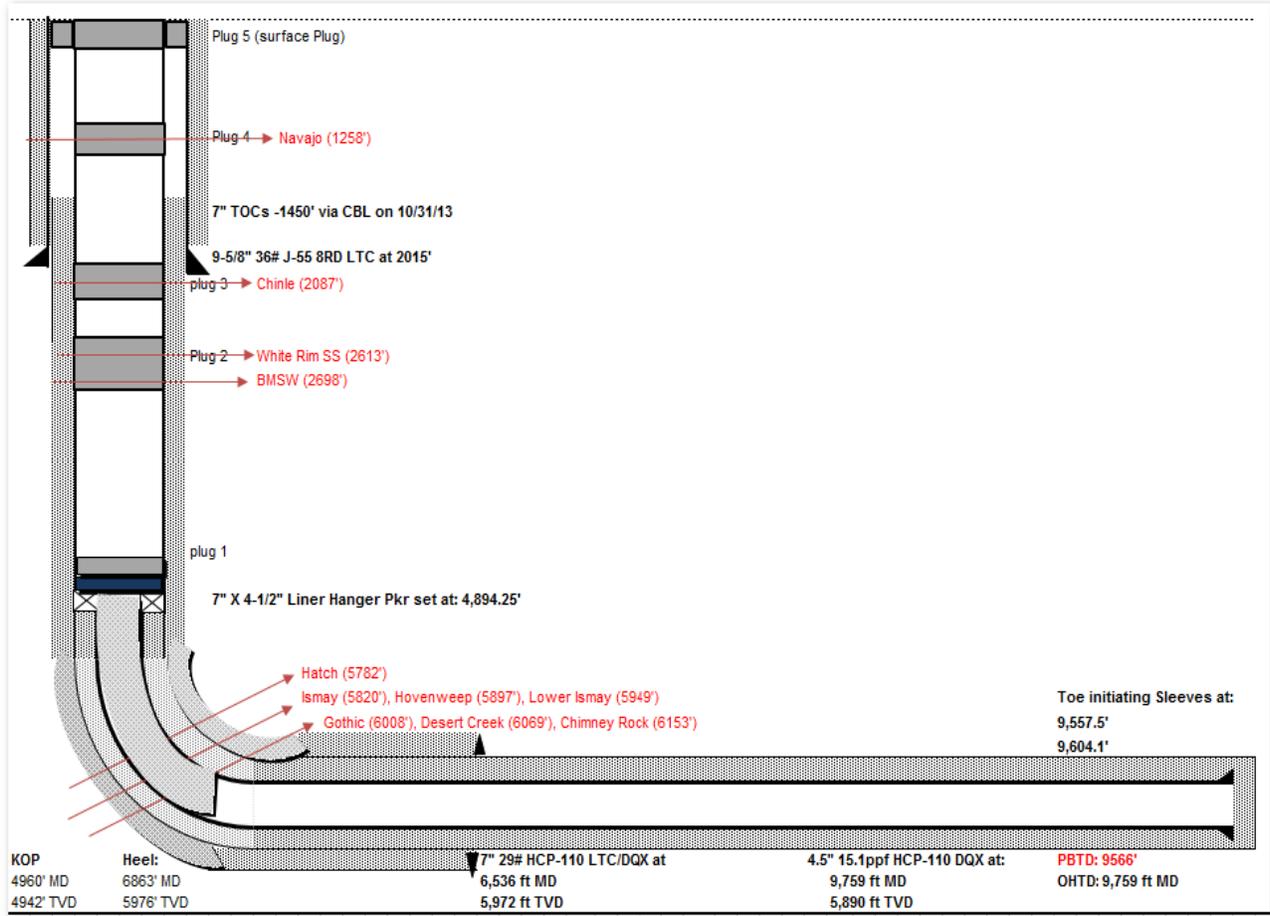
- H₂S MAY BE PRESENT. CHECK FOR H₂S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED PRODUCED WATER OR FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID.
- NOTIFY APPROPRIATE AGENCY 24 HOURS BEFORE MOVING ON LOCATION.
- A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.

PROCEDURE (please see diagram on last page)**Note:** Approx. 278 sks Class "G" cement needed for procedure & (1) 7" 29# CICR**Note:** No Gyro needed, Directional Survey done by Weatherford on 11/1/2013.

1. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
2. MIRU. PUMP PRODUCED WATER (CURRENTLY IN THE PIT ON LOCATION) INTO THE WELL TO KILL WELL AND DISPOSE THE WATER. USE PRODUCE PIT WATER AS CEMENT PLUG SPACER IF NEEDED. ND WH, NU AND TEST BOPE.
3. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL ON 7" CSG.
4. **PLUG #1, ISOLATE PERFORATIONS (6210' - 9163'), TOP OF CHIMNEY ROCK (~6153'), TOP OF DESERET CREEK (~6069'), TOP OF GOthic (6008'), TOP OF LOWER ISMAY (5949'), TOP OF HOVENWEEP (5897'), TOP OF ISMAY (5820') & TOP OF HATCH (5782'):RIH W/ WIRELINE W/ 7" 29# CICR. SET @ ~4890' (on top of 4.5" liner). RELEASE CICR, POOH, RIH W/ TBG AND STING INTO CICR AND DISPLACE A MINIMUM OF 95 SkS / 20 BBL/ 100.8 CFT (Bottom of cement plug ~6253'). STING OUT OF CICR AND SPOT 19 SKS/ 4 BBL/ 21.8CFT OF CEMENT. PUH ABOVE TOC ~4780' (1460' of cover). REVERSE CIRCULATE W/ TREATED WATER**
5. **PLUG #2, PROTECT TOP OF WHITE RIM SS (2613') & BMSW (2698')PUH TO ~2800'. BRK CIRC W/ FRESH WATER. DISPLACE 52 SkS / 10.9 BBL/ 59.5 CFT AND BALANCE PLUG W/ TOC @ ~2515' (285' of cover). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER**

6. **PLUG #4, PROTECT TOP OF CHINLE (2087') & SURFACE SHOE (2015')**;PUH TO ~2190'. BRK CIRC W/ FRESH WATER. DISPLACE 41 Sks / 8.6 BBL/ 46.9 CFT AND BALANCE PLUG W/ TOC @ ~1965' (225' of cover). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER
7. **PLUG #5, PROTECT TOP OF NAVAJO (1258')**;PUH TO ~1360'. BRK CIRC W/ FRESH WATER. DISPLACE 38 Sks / 8 BBL/ 43.5 CFT AND BALANCE PLUG W/ TOC @ ~1151' (209' of cover). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED WATER
8. **PLUG #6, PROTECT SURFACE HOLE** POOH. CUT OFF WELLHEAD AND RIH INSIDE 7" CSG W/ 100' OF 1" STEEL TBG, TOP OUT CEMENT TO SURFACE, 19 Sks/ 4 BBL/ 21.8 CFT. RIH INSIDE 7" AND 9 5/8 ANNULUS W/ 100' OF 1" STEEL TBG, TOP OUT CEMENT TO SURFACE, 14 Sks/ 2.9 BBL/ 16 CFT
9. INSTALL MARKER PER REGULATIONS.
10. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

RT9/11/14



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-52114	
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:	
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2. NAME OF OPERATOR: ANADARKO E&P ONSHORE, LLC	9. API NUMBER: 43037500600000		
3. ADDRESS OF OPERATOR: P.O. Box 173779 , Denver, CO, 80217	PHONE NUMBER: 720 929-6100 Ext	9. FIELD and POOL or WILDCAT: WILDCAT	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0315 FSL 0430 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SESE Section: 16 Township: 35.0S Range: 26.0E Meridian: S	COUNTY: SAN JUAN		
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TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/16/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
ANADARKO E&P ONSHORE, LLC has plugged and abandoned the CEDAR POINT FEE 3526-16-1H, see the attached operations summary.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 19, 2015			
NAME (PLEASE PRINT) Doreen Green	PHONE NUMBER 435 781-9758	TITLE Regulatory Analyst II	
SIGNATURE N/A		DATE 8/18/2015	

US ROCKIES REGION
Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: CEDAR POINT FEE 3526-16-1H					Spud date: 9/18/2013			
Project: UTAH-SAN JUAN			Site: CEDAR POINT FEE 3526-16-1H			Rig name no.: WESTERN WELL SERVICES 9/9		
Event: ABANDONMENT			Start date: 6/29/2015		End date: 8/16/2015			
Active datum: RKB @6,724.00usft (above Mean Sea Level)				UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
8/11/2015	12:30 - 17:00	4.50	ABANDP	30	A	P		ROAD TO LOCATION. MIRU. 0# ON WELL. NDWH. NUBOP. R/U FLOOR & TBNG EQUIP. MIRU WIRELINE. RIH W/ 7" GR-JB TO LINER TOP @4914'. POOH. RDMO E-LINE. R/U PUMP LINES. BEGIN PUMPING FLUID FROM PIT INTO WELL 5BPM @ 0#. PUMPING 24HRS. 2 MEN ON LOCATION.
8/12/2015	0:01 - 23:59	23.97	ABANDP	30		P		PUMPING FLUID FROM PIT INTO WELLBORE. USING RIG PUMP & CMT PUMP TRUCK. MIRU 6" SUCTION PUMP TO FEED FRAC TANKS. PREESURES SLOWLY CLIMBING. CURRENT AVG RATE= 8BPM. CURRENT AVG PRESSURE= 1700#. 24HR OPS.
8/13/2015	0:01 - 23:59	23.97	ABANDP	30		P		CONT PUMPING WATER FROM PIT INTO WELLBORE. AVG RATE= 6BPM. AVG PRESSURE= 2100#. 24HR OPERATIONS.
8/14/2015	7:00 - 7:15	0.25	ABANDP	48		P		SAFETY= JSA.
	7:15 - 11:00	3.75	ABANDP	30		P		FINSIH PUMPING FLUID INTO WELLBORE W/ CMT PUMP TRUCK & RIG PUMP. SHUT DOWN. DRAIN EQUIP. INJECTING 4BPM @ 2000#.
	11:00 - 13:00	2.00	ABANDP	34	I	P		MIRU WIRELINE. R/U FULL LUBE. P/U 7" CICR. LUBE IN CICR. RIH & SET @ 4890'. POOH E-LINE. BLEED OFF PRESSURE. RDMO WIRELINE.
	13:00 - 16:30	3.50	ABANDP	31	I	P		P/U & RIH W/ STINGER FOR CICR + 154JTS 2-3/8" P-110 TBNG. T/U ON CICR @ 4890'. H/U PUMP LINES. BREAK CONV CIRC W/ RIG PUMP. CIRC WELLBORE CLEAN W/ 200BBLS TMAC.
	16:30 - 17:00	0.50	ABANDP	52	F	P		PRESSURE TEST 7" CSNG & CICR GOOD @ 500#. LOST 0# IN 15MIN.
8/15/2015	7:00 - 7:15	0.25	ABANDP	48		P		SAFETY = JSA.
	7:15 - 7:40	0.42	ABANDP	52	F	P		MIRU CMT CREW. RE-PRESSURE TEST CSG FOR STATE HAND (BART KETTLE). P/T GOOD @ 500#. NO VISIBLE PRESSURE LOSS IN 15MIN.
	7:40 - 10:30	2.83	ABANDP	51	D	P		STING INTO CICR W/ 2-3/8" P-110 TBNG. EST INJECTION RATE 2.2BPM @ 1800#. \nNOTE: ALL CMT 15.8# NEAT G CMT AND PUMPED @ 15.8#\nMIX & PUMP CMT PLUGS AS FOLLOWS:\n\nPLUG #1. EOT @4890'. PUMP 95SX CMT BELOW CICR. STING OUT OF CICR & PUMP 19SX CMT BALANCED PLUG ON TOP OF CICR. DISPLACE W/ .5BBL FRESH WATER & 18.9BBLS TMAC. SHUT DOWN. PUH TO 2800'.\n\nPLUG #2. EOT @2800'. PUMP 4BBLS FRESH WATER LEAD. PUMP 52SX CMT. DISPLACE W/ .5BBLS FRESH WATER & 10.6BBLS TMAC. SHUT DOWN. PUH TO 2190'.\n\nPLUG #3. EOT @2190'. PUMP 4BBLS FRESH WATER LEAD. PUMP 41SX CMT. DISPLACE W/ .5BBLS FRESH WATER & 7BBLS TMAC. SHUT DOWN. PUH TO 1360'.\n\nPLUG #4. EOT @1360'. PUMP 4BBLS FRESH WATER LEAD. PUMP 38SX CMT. DISPLACE W/ .5BBLS FRESH WATER & 3.9BBLS TMAC. POOH WHILE L/D REMAINDER OF TBNG.

US ROCKIES REGION
Operation Summary Report

Well: CEDAR POINT FEE 3526-16-1H

Spud date: 9/18/2013

Project: UTAH-SAN JUAN

Site: CEDAR POINT FEE 3526-16-1H

Rig name no.: WESTERN WELL SERVICES 9/9

Event: ABANDONMENT

Start date: 6/29/2015

End date: 8/16/2015

Active datum: RKB @6,724.00usft (above Mean Sea Level)

UWI: SE/SE/0/35/S/26/E/16/0/0/26/PM/S/315/E/0/430/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	10:30 - 11:00	0.50	ABANDP	34	H	P		MIRU WIRELINE. P/U & RIH W/ 4HOLE X 1' PERF GUN. PERF 7" CSG @ 100'. POOH W/ WIRELINE. PUMP 5BBLS FRESH WATER DOWN 7" CSNG & HAD FULL RETURNS UP 9-5/8" CSNG. SHUT DOWN. RDMO WIRELINE.
	11:00 - 12:00	1.00	ABANDP	30		P		R/D FLOOR & TBNG EQUIP. NDBOP. INSTALL TBNG HANGER. RDMO RIG.
	12:00 - 12:30	0.50	ABANDP	51	D	P		PLUG #5. PUMP 68SX CMT DOWN 7" PRODUCTION CSG & UP 9-5/8" SURFACE CSNG. FULL RETURNS THRU JOB. SHUT DOWN.
	12:30 - 13:30	1.00	ABANDP	53	B	P		MIRU ROUSTABOUT CREW. EXPOSE WELLHEAD & CSNG. CUT & LOWER WELLHEAD 6' BELOW GRADE.
	13:30 - 16:25	2.92	ABANDP	51	D	P		TOP OFF SURFACE & PRODUCTION CSNG W/ 15SX CMT. 9-5/8" CSNG HAS LIGHT GAS BUBBLES. LET BUBBLES WORK OUT OF CSNG.
	16:25 - 18:30	2.08	ABANDP	53	A	P		INSTALL WELLHEAD MARKER. BACKFILL WELLHEAD. DIG UP DEAD MAN ANCHORS.\n\nP/A WITNESSED & APPROVED BY BART KETTLE (STATE OF UTAH).\nWELLHEAD COORDINATES:\nLAT: 37.728555\nLONG: -109.064604\n
8/16/2015	7:00 - 17:00	10.00	ABANDP	30	G	P		DE-MOBE EQUIP.