

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-015-40025
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Longboard PWU 20
8. Well Number 1H
9. OGRID Number 6137
10. Pool name or Wildcat Parkway; 3 rd Bone Spring ss

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
Devon Energy Production Company, L.P.

3. Address of Operator
333 W. Sheridan, Oklahoma City, OK 73102 Linda Good 405-552-6558

4. Well Location
Unit Letter E 1500 feet from the North line and 355 feet from the West line
Section 20 Township 25S Range 31E NMPM Eddy County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3340' GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: Recompletion



OTHER: Spud Report



13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Devon Energy Production Co., L.P. respectfully requests permission to recomplate this well per the attached procedure.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE: Linda Good TITLE: Regulatory Compliance Specialist DATE: 11/19/2014

Type or print name: Linda Good E-mail address: linda.good@dmn.com PHONE: 405-552-6558

For State Use Only

APPROVED BY: DRDade TITLE: Dist. II Supervisor DATE: 12/3/2014

Conditions of Approval (if any):

RECOMPLETION LONGBOARD PWU 20-1H

Longboard Recompletion

<u>Hole Size</u>	<u>Setting Depth</u>	<u>OD Csg</u>	<u>Csg Interval</u>	<u>Weight</u>	<u>Collar</u>	<u>Grade</u>	<u>COMMENT</u>
17 1/2	300	13 3/8	0 to 300	48#	STC	H-40	Existing Well
12 1/4	2,735	9 5/8	0 to 2735	40#	LTC	J-55	Existing Well
8 3/4	9,150	7	0 to 9150	29#	BTC	P-110	Existing Well
6 1/8	13,600	4 1/2	7700 to 13600	13.5#	BTC	P-110	Proposed Recompletion

ASSUMPTIONS AND SCOPE OF WORK INCLUDE:

Current Status:

17 1/2" hole, 13 3/8" 48# H-40 ST&C set at 300'

12 1/4" hole, 9 5/8" 40# J-55 set @ 2735'

9150' of 7" 20# P-110 on top:

PBTD in casing @ 9146'

Mill Window in 7" @ 9133' – 9141'

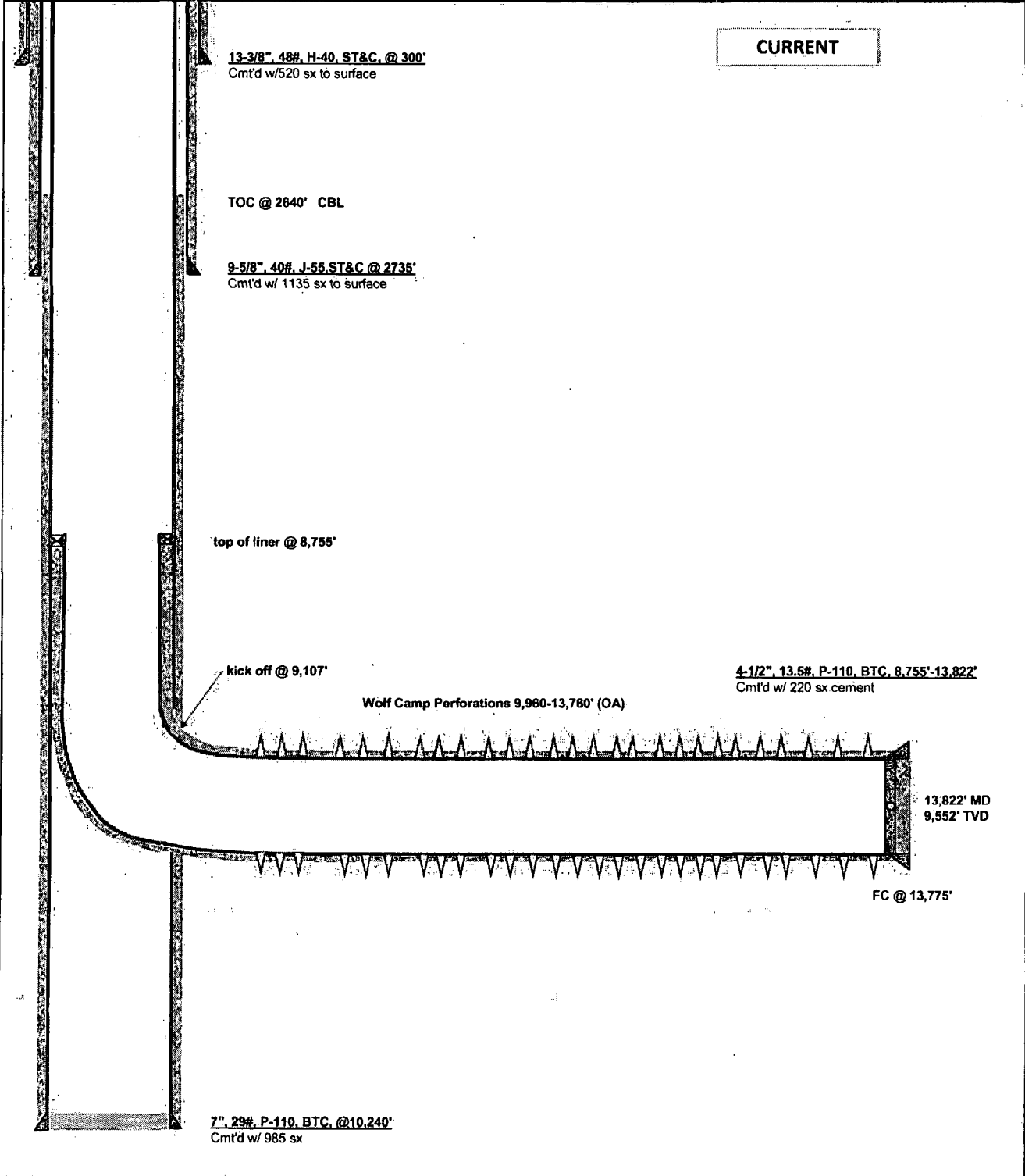
6 1/8" hole, 4 1/2" 13.5# P-110 BTC Liner set @ 8755' – 13820'

GENERAL PROCEDURE:

- 1 Prep well with WO rig; ie, pull tbg, abandon below liner top at 8755', and remove Tubinghead Adapter. Install temporary night cap.
- 2 MI X RU Drlg Rig; NU BOP & Test
- 3 RU WL and RIH w/ 10K CIBP and dump 2 sx cement, Test casing to 500 psi for 30 min. Submit to NMOCD. RD WL
- 4 PU 4" DP and GIH to 8695' and tag TOC; circ BU; POH strapping and racking back
- 5 GIH w/Retrievable Whipstock; RU Scientific and RIH w/Gyro; orient Retrievable Whipstock & Set; POH w/WL.
- 6 GIH w/section mill and cut window at 8200'; POH & LD Tools
- 7 GIH w/Curve BHA & build curve to Landing Point (EOC = 8961'); POH
- 8 GIH w/Lateral BHA & drill 4500' lateral
- 9 Circ CUC; POH to run csg
- 10 GIH w/4-1/2", 13.50 ppf, P-110 Production Casing w/Liner Hanger; Finish GIH on DP
- 11 Circ 2 BU; Set Liner Hanger at 7700'; Cement production casing; release off Liner Hanger; POH 5 stands; circ clean
- 12 GIH w/rock bit; clean out cement to Liner Hanger & dress off TOL
- 13 POH LDDP
- 14 RD & RR

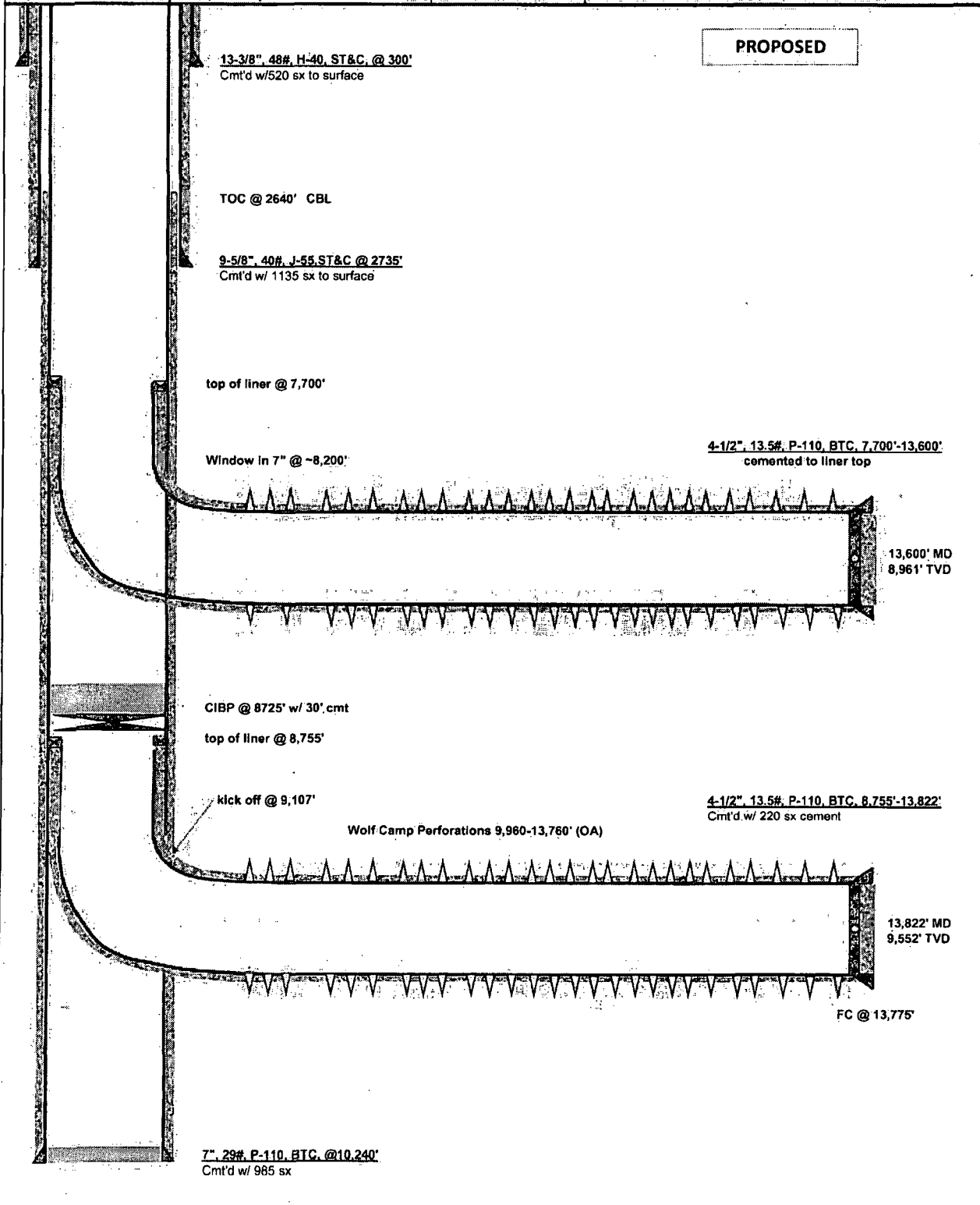
DEVON ENERGY PRODUCTION COMPANY LP

Well Name: Longboard PWU 20-1H		Field: Parkway West	
Location: SEC 20 T19S R29E		County: EDDY	State: NM
Elevation: 3365 KB; 3340 GL; 25' KB to GL		Spud Date: 7/30/12	Compl Date:
API#: 30-015-40025	Prepared by: Brent Schroder	Date: 11/19/14	Rev:



DEVON ENERGY PRODUCTION COMPANY LP

Well Name: Longboard PWU 20-1H		Field: Parkway West	
Location: SEC 20 T19S R29E		County: EDDY	State: NM
Elevation: 3365 KB; 3340 GL; 25' KB to GL		Spud Date: 7/30/12	Compl Date:
API#: 30-015-40025	Prepared by: Brent Schroder	Date: 11/19/14	Rev:



devon

Longboard PMU 10 1H RE
Eddy Co, NM

Plan Data for Longboard PMU 10 1H RE Lat

Plan Point Information:									
Dogleg Severity Unit: 1/100.00ft					Position offsets from Slot centre				
MD	Inc	Az	TVD	+N/-S	+E/-W	Northing	Easting	VSec	DLS
(USft)	(°)	(°)	(USft)	(USft)	(USft)	(USft)	(USft)	(USft)	(DLSU)
8400.00	2.54	143.24	8191.95	-18.73	-190.00	599885.52	611569.09	-181.83	0.85
8407.50	2.54	142.98	8399.44	-39.00	-190.68	599885.25	611570.00	-190.83	0.15
8422.50	3.23	144.75	8414.43	-39.37	-190.07	599884.88	611570.70	-190.22	-13.33
8427.50	3.23	144.75	8419.42	-39.44	-189.88	599884.81	611570.97	-189.95	0.00
9297.91	90.16	89.78	8963.11	-45.34	383.96	599879.11	612244.73	383.79	10.00
13554.68	90.16	89.78	8940.00	-22.64	4640.61	599895.61	616401.38	4640.47	0.00

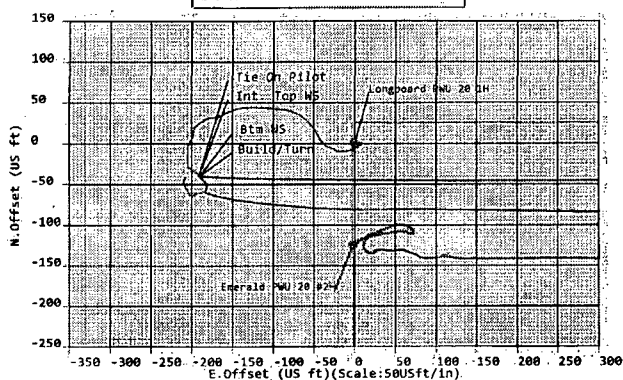
Plan Data for Longboard PMU 10 1H RE Lat

Target-Set Information:
Name: Longboard PMU 10 1H RE
Position offsets from Slot centre
Name TVD +N/-S +E/-W Northing Easting Shape Comment
(USft) (USft) (USft) (USft)
PBHL 1H RE 8949.00 -28.64 4640.61 599895.61 616401.38 Cuboid

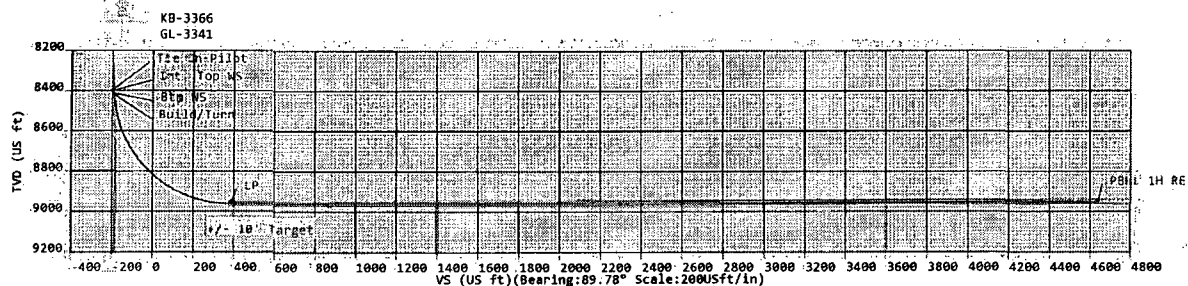
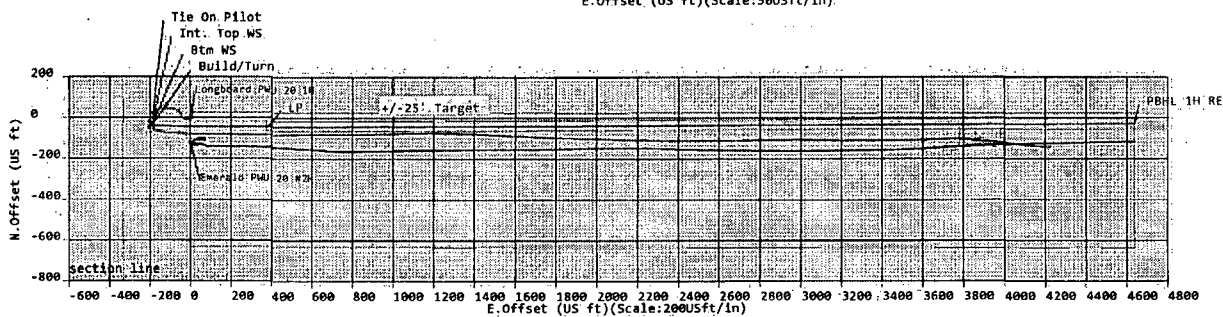
Plan Data for Longboard PMU 10 1H RE Lat

Slot: Longboard PMU 20 1H
Position:
Offset is from Site centre
+N/-S: 0.00USft Northing: 599924.25USft Latitude: 32°38'56.5"
+E/-W: 0.00USft Easting: 611760.77USft Longitude: -104°6'16.3"
Elevation Above VMD: 3341.88USft

Longboard PMU 10 1H RE Lat
Longboard PMU 20 1H Pilot
Longboard PMU 20 1H Lat OH
Emerald PMU 20 #2H



Plan Data for Longboard PMU 20 1H RE Lat
Well: Longboard PMU 20 1H RE Lat
Type: Side-track
File Number:
Plan Folder: P1
Plan: P1-V2
Vertical Section: Position offset of origin from Slot centre:
+N/-S: 0.00USft
+E/-W: 0.00USft
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
BCH 4837(N) 7.61° 60.39° 2014-12-15



Sign Off: Russell Joyner

5D Plan Report

Devon Energy

Field Name: *Eddy Co, NM (Nad 83 NME)*

Site Name: *Longboard PWU 20 1H*

Well Name: *Longboard PWU 10 1H RE Lat*

Plan: *P1:V2*

19 November 2014



Weatherford®

5D Plan Report

Longboard PWU 10 1H RE Lat			
Field Name Eddy Co, NM (Nad:83 NME)	Map Units : US ft Company Name : Devon Energy Vertical Reference Datum (VRD) : Mean Sea Level Projected Coordinate System : NAD83 / New Mexico East (ftUS) Comment :		
Site Name Longboard PWU 20 1H	Units : US ft North Reference : Grid Position Northing : 599924.25 US ft Latitude : 32° 38' 56.51" Easting : 611760.77 US ft Longitude : -104° 6' 16.30" Elevation above Mean Sea Level: 3341.00 US ft Comment :		
Slot Name Longboard PWU 20 1H	Position (Offsets relative to Site Centre) +N / -S : 0.00 US ft Northing : 599924.25 US ft Latitude : 32° 38' 56.51" +E / -W : 0.00 US ft Easting : 611760.77 US ft Longitude : -104° 6' 16.30" Slot TVD Reference : Ground Elevation Elevation above Mean Sea Level : 3341.00 US ft Comment :		
Well Name Longboard PWU 10 1H RE Lat	Type : Sidetrack UWI : Plan : P1:V2 Parent : Longboard PWU 20 1H Pilot Tie Point Method : MD Tie Point : 8400.00 US ft Rig Height Drill Floor : 25.00 US ft Comment : Relative to Mean Sea Level: 3366.00 US ft Closure Distance : 4640.7 US ft Closure Azimuth : 90.3536° Vertical Section (Position of Origin Relative to Slot) +N / -S : 0.00 US ft +E / -W : 0.00 US ft Az : 89.78° Magnetic Parameters Model : BGGM Field Strength : 48437.7nT Dec : 7.61° Dip : 60.39° Date : 15/Dec/2014		

Target Set			
Name : Longboard PWU 10 1H RE Number of Targets : 1			
Comment :			
Target Name: PBHL 1H RE	Position (Relative to Slot centre) +N / -S : -28.64 US ft Northing : 599895.61 US ft Latitude : 32° 38' 56.13" +E / -W : 4640.61 US ft Easting : 616401.38 US ft Longitude : -104° 5' 22.02"		
Shape: Cuboid	TVD (Drill Floor) : 8949.00 US ft Orientation Azimuth : 89.80° Inclination : -0.16° Dimensions Length : 8520.00 US ft Breadth : 50.00 US ft Height : 20.00 US ft		

Well path created using minimum curvature

5D Plan Report

Salient Points (Relative to Slot centre, TVD relative to Drill Floor)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	V3 (US ft)	DLS (°/100 US ft)	D.Rate (°/100 US ft)	T.Rate (°/100 US ft)	I.Face (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
100.00	0.24	168.24	100.00	-0.21	0.04	0.04	0.24	0.24	0.00	168.24	
200.00	0.15	29.82	200.00	-0.30	0.15	0.15	0.37	-0.09	-138.42	195.78	
300.00	0.26	322.21	300.00	-0.00	0.08	0.08	0.25	0.11	-67.61	258.03	
400.00	0.37	254.60	400.00	0.09	-0.37	-0.37	0.36	0.11	-67.61	250.81	
500.00	0.28	339.56	500.00	0.23	-0.77	-0.77	0.44	-0.09	84.96	141.08	
600.00	0.18	64.51	600.00	0.53	-0.71	-0.71	0.32	-0.10	84.95	145.83	
700.00	0.83	75.76	699.99	0.78	0.13	0.13	0.65	0.65	11.25	14.33	
800.00	1.48	87.01	799.97	1.02	2.12	2.13	0.69	0.65	11.25	24.91	
900.00	1.21	90.54	899.94	1.08	4.47	4.47	0.28	-0.27	3.53	164.70	
1000.00	0.95	94.07	999.93	1.01	6.35	6.35	0.27	-0.26	3.53	167.41	
1100.00	0.62	97.16	1099.92	0.88	7.71	7.72	0.33	-0.33	3.09	174.23	
1200.00	0.28	100.25	1199.91	0.77	8.49	8.49	0.34	-0.34	3.09	177.46	
1300.00	0.29	147.93	1299.91	0.51	8.87	8.87	0.23	0.01	47.68	111.57	
1400.00	0.30	195.62	1399.91	0.05	8.93	8.93	0.24	0.01	47.69	111.65	
1500.00	0.43	216.91	1499.91	-0.50	8.63	8.63	0.19	0.13	21.29	57.19	
1600.00	0.56	238.20	1599.90	-1.06	7.99	7.99	0.22	0.13	21.29	65.70	
1700.00	0.93	236.90	1699.90	-1.76	6.90	6.89	0.37	0.37	-1.30	356.73	
1800.00	1.30	235.61	1799.88	-2.85	5.28	5.27	0.37	0.37	-1.29	355.47	
1900.00	1.33	237.96	1899.85	-4.10	3.36	3.35	0.06	0.03	2.35	62.09	
2000.00	1.36	240.31	1999.82	-5.31	1.35	1.33	0.06	0.03	2.35	62.64	
2100.00	1.26	242.12	2099.80	-6.41	-0.66	-0.68	0.11	-0.10	1.81	158.42	
2200.00	1.16	243.94	2199.77	-7.37	-2.54	-2.56	0.11	-0.10	1.82	159.89	
2300.00	1.34	251.08	2299.75	-8.19	-4.55	-4.58	0.24	0.18	7.14	44.48	
2400.00	1.52	258.22	2399.72	-8.84	-6.96	-6.99	0.25	0.18	7.14	48.32	
2500.00	1.37	262.58	2499.69	-9.27	-9.44	-9.48	0.19	-0.15	4.36	145.93	
2600.00	1.22	266.93	2599.66	-9.48	-11.69	-11.73	0.18	-0.15	4.35	148.92	
2700.00	1.22	267.60	2699.64	-9.58	-13.82	-13.85	0.01	0.00	0.67	90.33	
2800.00	1.23	268.26	2799.62	-9.66	-15.95	-15.99	0.02	0.01	0.66	55.00	
2900.00	1.14	275.71	2899.60	-9.59	-18.01	-18.05	0.18	-0.09	7.45	123.98	
3000.00	1.04	283.16	2999.58	-9.28	-19.89	-19.92	0.17	-0.10	7.45	128.89	
3100.00	1.10	291.51	3099.56	-8.73	-21.66	-21.70	0.17	0.06	8.35	73.16	
3200.00	1.15	299.86	3199.54	-7.87	-23.43	-23.46	0.17	0.05	8.35	77.24	
3300.00	1.28	296.47	3299.52	-6.88	-25.30	-25.32	0.15	0.13	-3.39	329.36	
3400.00	1.40	293.07	3399.49	-5.90	-27.42	-27.44	0.14	0.12	-3.40	324.76	
3500.00	1.43	289.15	3499.46	-5.01	-29.72	-29.74	0.10	0.03	-3.92	285.25	
3600.00	1.47	285.24	3599.43	-4.27	-32.14	-32.16	0.11	0.04	-3.91	290.05	
3700.00	2.15	303.17	3699.38	-2.90	-34.95	-34.96	0.88	0.68	17.93	48.98	
3800.00	2.84	321.10	3799.28	0.05	-38.07	-38.07	1.03	0.69	17.93	57.71	
3900.00	3.95	325.68	3899.11	4.83	-41.57	-41.55	1.14	1.11	4.58	16.02	
4000.00	5.06	330.26	3998.80	11.50	-45.70	-45.66	1.17	1.11	4.58	20.25	
4100.00	4.99	324.12	4098.41	18.85	-50.44	-50.37	0.54	-0.07	-6.14	259.53	
4200.00	4.93	317.98	4198.04	25.57	-55.86	-55.77	0.53	-0.06	-6.14	260.50	
4300.00	4.18	308.83	4297.73	31.05	-61.58	-61.46	1.04	-0.75	-9.15	219.59	
4400.00	3.43	299.68	4397.51	34.81	-67.02	-66.88	0.96	-0.75	-9.15	214.49	
4500.00	2.93	294.28	4497.35	37.34	-71.95	-71.80	0.58	-0.50	-5.40	208.25	
4600.00	2.43	288.88	4597.24	39.08	-76.28	-76.13	0.56	-0.50	-5.40	204.11	
4700.00	2.58	283.89	4697.15	40.31	-80.47	-80.32	0.26	0.15	-4.99	302.01	
4800.00	2.74	278.90	4797.04	41.22	-85.02	-84.86	0.28	0.16	-4.99	302.13	
4900.00	3.32	276.73	4896.90	41.93	-90.26	-90.09	0.59	0.58	-2.17	347.73	
5000.00	3.90	274.56	4996.70	42.54	-96.52	-96.36	0.60	0.58	-2.17	345.66	
5100.00	4.23	275.15	5096.45	43.14	-103.59	-103.42	0.33	0.33	0.59	7.52	
5200.00	4.55	275.74	5196.15	43.87	-111.21	-111.04	0.32	0.32	0.59	8.33	
5300.00	4.63	272.23	5295.83	44.42	-119.18	-119.01	0.29	0.08	-3.51	284.14	
5400.00	4.71	268.71	5395.50	44.48	-127.32	-127.15	0.30	0.08	-3.52	283.84	
5500.00	4.18	263.85	5495.20	44.00	-135.05	-134.88	0.65	-0.53	-4.86	212.99	
5600.00	3.66	258.99	5594.97	43.00	-141.81	-141.64	0.62	-0.52	-4.86	210.17	
5700.00	3.35	253.24	5694.78	41.55	-147.74	-147.58	0.47	-0.31	-5.75	225.75	

SD Plan Report

Salient Points (Relative to Slot centre, TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	R.Rate (%/100 US ft)	T.Rate (%/100 US ft)	T.Face (°)
5800.00	3.04	247.48	5794.62	39.69	-152.98	-152.83	0.45	-0.31	-5.76	223.15
5900.00	2.81	244.27	5894.49	37.61	-157.64	-157.50	0.28	-0.23	-3.21	213.86
6000.00	2.58	241.05	5994.38	35.46	-161.82	-161.68	0.28	-0.23	-3.22	211.75
6100.00	2.29	250.02	6094.29	33.69	-165.67	-165.54	0.48	-0.29	8.97	131.69
6200.00	2.00	258.99	6194.22	32.67	-169.26	-169.13	0.44	-0.29	8.97	135.24
6300.00	1.93	264.18	6294.17	32.17	-172.65	-172.52	0.19	-0.07	5.19	114.05
6400.00	1.86	269.38	6394.11	31.98	-175.94	-175.82	0.19	-0.07	5.20	114.74
6500.00	1.98	253.95	6494.06	31.48	-179.23	-179.10	0.53	0.12	-15.43	275.28
6600.00	2.09	238.52	6593.99	30.05	-182.44	-182.33	0.56	0.11	-15.43	273.57
6700.00	2.06	238.78	6693.93	28.17	-185.53	-185.42	0.03	-0.03	0.26	162.71
6800.00	2.03	239.03	6793.86	26.33	-188.59	-188.49	0.03	-0.03	0.25	163.56
6900.00	1.88	234.99	6893.81	24.47	-191.45	-191.36	0.20	-0.15	-4.04	220.57
7000.00	1.74	230.94	6993.76	22.58	-193.97	-193.89	0.19	-0.14	-4.05	220.41
7100.00	2.63	207.64	7093.68	19.59	-196.22	-196.14	1.24	0.89	-23.30	303.01
7200.00	3.51	184.34	7193.54	14.50	-197.51	-197.46	1.51	0.88	-23.30	293.18
7300.00	3.46	200.42	7293.36	8.62	-198.80	-198.76	0.98	-0.05	16.08	100.93
7400.00	3.40	216.50	7393.18	3.41	-201.62	-201.60	0.96	-0.06	16.08	101.57
7500.00	3.03	195.77	7493.03	-1.52	-204.10	-204.10	1.21	-0.37	-20.73	242.18
7600.00	2.66	175.03	7592.91	-6.37	-204.61	-204.64	1.09	-0.37	-20.74	240.07
7700.00	2.50	180.84	7692.81	-10.87	-204.45	-204.49	0.31	-0.16	5.81	124.34
7800.00	2.34	186.66	7792.72	-15.07	-204.71	-204.77	0.29	-0.16	5.82	125.95
7900.00	2.45	182.43	7892.63	-19.24	-205.04	-205.11	0.21	0.11	-4.23	299.77
8000.00	2.56	178.20	7992.54	-23.61	-205.06	-205.15	0.22	0.11	-4.23	298.63
8100.00	3.13	147.82	8092.42	-28.15	-203.54	-203.64	1.59	0.57	-30.38	275.09
8200.00	3.70	117.45	8192.25	-31.95	-199.22	-199.34	1.87	0.57	-30.37	271.94
8300.00	3.12	130.34	8292.07	-35.20	-194.28	-194.42	0.96	-0.58	12.89	133.42
8400.00	2.54	143.24	8391.95	-38.73	-190.88	-191.03	0.86	-0.58	12.90	138.64
8407.50	2.54	142.98	8399.44	-39.00	-190.68	-190.83	0.15	-0.00	-3.47	269.87
8422.50	3.23	104.75	8414.43	-39.37	-190.07	-190.22	13.33	4.61	-254.87	270.00
8427.50	3.23	104.75	8419.42	-39.44	-189.80	-189.95	0.00	0.00	0.00	0.00
9297.91	90.16	89.78	8961.11	-45.14	383.96	383.79	10.00	9.99	-1.72	345.01
13554.60	90.16	89.78	8949.00	-28.64	4640.61	4640.47	0.00	0.00	0.00	0.00

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	VS (US ft)	DLS (%/100 US ft)	Northing (US ft)	Easting (US ft)	Comment
8400.00	2.54	143.24	8391.95	-38.73	-190.88	-191.03	0.00	599885.52	611569.89	Tie On Pilot
8407.50	2.54	142.98	8399.44	-39.00	-190.68	-190.83	0.15	599885.25	611570.09	Int. Top WS
8422.50	3.23	104.75	8414.43	-39.37	-190.07	-190.22	13.33	599884.88	611570.70	Btm WS
8427.50	3.23	104.75	8419.42	-39.44	-189.80	-189.95	0.00	599884.81	611570.97	Build/Turn
8500.00	10.41	94.34	8491.36	-40.46	-181.28	-181.44	10.00	599883.79	611579.49	
8600.00	20.39	92.03	8587.65	-41.76	-154.80	-154.96	10.00	599882.49	611605.97	
8700.00	30.38	91.21	8677.88	-42.92	-112.00	-112.17	10.00	599881.33	611648.77	
8800.00	40.38	90.76	8759.31	-43.88	-54.18	-54.35	10.00	599880.37	611706.59	
8900.00	50.38	90.47	8829.46	-44.63	16.90	16.73	10.00	599879.62	611777.67	
9000.00	60.38	90.26	8886.21	-45.14	99.08	98.91	10.00	599879.11	611859.85	
9100.00	70.37	90.08	8927.82	-45.40	189.87	189.70	10.00	599878.85	611950.64	
9200.00	80.37	89.92	8953.04	-45.40	286.51	286.33	10.00	599878.85	612047.28	
9297.91	90.16	89.78	8961.11	-45.14	383.96	383.79	10.00	599879.11	612144.73	LP
9300.00	90.16	89.78	8961.10	-45.14	386.06	385.88	0.00	599879.11	612146.83	
9400.00	90.16	89.78	8960.82	-44.75	486.06	485.88	0.00	599879.50	612246.83	
9500.00	90.16	89.78	8960.53	-44.36	586.05	585.88	0.00	599879.89	612346.82	
9600.00	90.16	89.78	8960.25	-43.97	686.05	685.88	0.00	599880.28	612446.82	
9700.00	90.16	89.78	8959.96	-43.59	786.05	785.88	0.00	599880.66	612546.82	
9800.00	90.16	89.78	8959.68	-43.20	886.05	885.88	0.00	599881.05	612646.82	
9900.00	90.16	89.78	8959.39	-42.81	986.05	985.88	0.00	599881.44	612746.82	
10000.00	90.16	89.78	8959.11	-42.42	1086.05	1085.88	0.00	599881.83	612846.82	
10100.00	90.16	89.78	8958.83	-42.03	1186.05	1185.88	0.00	599882.22	612946.82	
10200.00	90.16	89.78	8958.54	-41.65	1286.05	1285.88	0.00	599882.60	613046.82	

SD Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Drill Floor)										
MD (US.ft)	Inc (°)	Az (°)	TVD (US.ft)	N.Offset (US.ft)	E.Offset (US.ft)	VS (US.ft)	DLS (N/100 US.ft)	Northing (US.ft)	Easting (US.ft)	Comment
10300.00	90.16	89.78	8958.26	-41.26	1386.05	1385.88	0.00	599882.99	613146.82	
10400.00	90.16	89.78	8957.97	-40.87	1486.04	1485.88	0.00	599883.38	613246.81	
10500.00	90.16	89.78	8957.69	-40.48	1586.04	1585.88	0.00	599883.77	613346.81	
10600.00	90.16	89.78	8957.40	-40.10	1686.04	1685.88	0.00	599884.15	613446.81	
10700.00	90.16	89.78	8957.12	-39.71	1786.04	1785.88	0.00	599884.54	613546.81	
10800.00	90.16	89.78	8956.83	-39.32	1886.04	1885.87	0.00	599884.93	613646.81	
10900.00	90.16	89.78	8956.55	-38.93	1986.04	1985.87	0.00	599885.32	613746.81	
11000.00	90.16	89.78	8956.27	-38.54	2086.04	2085.87	0.00	599885.71	613846.81	
11100.00	90.16	89.78	8955.98	-38.16	2186.04	2185.87	0.00	599886.09	613946.81	
11200.00	90.16	89.78	8955.70	-37.77	2286.03	2285.87	0.00	599886.48	614046.80	
11300.00	90.16	89.78	8955.41	-37.38	2386.03	2385.87	0.00	599886.86	614146.80	
11400.00	90.16	89.78	8955.13	-36.99	2486.03	2485.87	0.00	599887.26	614246.80	
11500.00	90.16	89.78	8954.84	-36.61	2586.03	2585.87	0.00	599887.64	614346.80	
11600.00	90.16	89.78	8954.56	-36.22	2686.03	2685.87	0.00	599888.03	614446.80	
11700.00	90.16	89.78	8954.27	-35.83	2786.03	2785.87	0.00	599888.42	614546.80	
11800.00	90.16	89.78	8953.99	-35.44	2886.03	2885.87	0.00	599888.81	614646.80	
11900.00	90.16	89.78	8953.71	-35.06	2986.03	2985.87	0.00	599889.19	614746.80	
12000.00	90.16	89.78	8953.42	-34.67	3086.03	3085.87	0.00	599889.58	614846.80	
12100.00	90.16	89.78	8953.14	-34.28	3186.02	3185.87	0.00	599889.97	614946.79	
12200.00	90.16	89.78	8952.85	-33.89	3286.02	3285.87	0.00	599890.36	615046.79	
12300.00	90.16	89.78	8952.57	-33.50	3386.02	3385.87	0.00	599890.75	615146.79	
12400.00	90.16	89.78	8952.28	-33.12	3486.02	3485.87	0.00	599891.13	615246.79	
12500.00	90.16	89.78	8952.00	-32.73	3586.02	3585.87	0.00	599891.52	615346.79	
12600.00	90.16	89.78	8951.72	-32.34	3686.02	3685.87	0.00	599891.91	615446.79	
12700.00	90.16	89.78	8951.43	-31.95	3786.02	3785.87	0.00	599892.30	615546.79	
12800.00	90.16	89.78	8951.15	-31.57	3886.02	3885.87	0.00	599892.68	615646.79	
12900.00	90.16	89.78	8950.86	-31.18	3986.02	3985.87	0.00	599893.07	615746.79	
13000.00	90.16	89.78	8950.58	-30.79	4086.01	4085.87	0.00	599893.46	615846.78	
13100.00	90.16	89.78	8950.29	-30.40	4186.01	4185.87	0.00	599893.85	615946.78	
13200.00	90.16	89.78	8950.01	-30.01	4286.01	4285.87	0.00	599894.24	616046.78	
13300.00	90.16	89.78	8949.72	-29.63	4386.01	4385.86	0.00	599894.62	616146.78	
13400.00	90.16	89.78	8949.44	-29.24	4486.01	4485.86	0.00	599895.01	616246.78	
13500.00	90.16	89.78	8949.16	-28.85	4586.01	4585.86	0.00	599895.40	616346.78	
13554.60	90.16	89.78	8949.00	-28.64	4640.61	4640.47	0.00	599895.61	616401.38	PBHL 1H RE

5D Anti-Collision Report

Devon Energy

Field Name: *Eddy Co, NM (Nad 83 NME)*

Site Name: *Longboard PWU 20 1H*

Well Name: *Longboard PWU 10 1H RE Lat*

19 November 2014





Weatherford

Longboard PWU 10 1H RE Lat

Field Name Eddy Co, NM (Nad:83:NME)	Map Units : US ft		Company Name : Devon Energy	
	Vertical Reference Datum (VRD) : Mean Sea Level			
	Projected Coordinate System : NAD83 / New Mexico East (ftUS)			
	Comment :			
Site Name Longboard PWU 20 1H	Units : US ft	North Reference : Grid	Convergence Angle : 0.12	
	Position	Northing : 599924.25 US ft	Latitude : 32° 38' 56.51"	
		Easting : 611760.77 US ft	Longitude : -104° 6' 16.30"	
	Elevation above Mean Sea Level: 3341.00 US ft			
	Comment :			
Slot Name Longboard PWU 20 1H	Position (Offsets relative to Site Centre)			
	+N / -S : 0.00 US ft	Northing : 599924.25 US ft	Latitude : 32° 38' 56.51"	
	+E / -W : 0.00 US ft	Easting : 611760.77 US ft	Longitude : -104° 6' 16.30"	
	Slot TVD Reference : Ground Elevation			
	Elevation above Mean Sea Level : 3341.00 US ft			
	Comment :			
Well Name Longboard PWU 10 1H RE Lat	Type : Sidetrack		UWI :	Plan : Working Plan
	Parent : Longboard PWU 20 1H Pilot		Tie Point Method : MD	Tie Point : 8407.00 US ft
	Rig Height / Drill Floor : 25.00 US ft		Comment :	
	Relative to Mean Sea Level: 3366.00 US ft			
	Closure Distance : 4640.7 US ft		Closure Azimuth : 90.3536°	
	Vertical Section (Position of Origin Relative to Slot)			
	+N / -S : 0.00 US ft	+E / -W : 0.00 US ft	Az : 89.78°	
	Magnetic Parameters			
	Model : BGGM	Field Strength : 48437.7nT	Dec : 7.61°	Dip : 60.39° Date : 15/Dec/2014

Collision / Uncertainty Analysis				
Primary Well	Start MD (US ft)	End MD (US ft)	Collision Risk Interval	No. of Std Deviations in Error Computation
Longboard PWU 10 1H RE Lat (p)	0.00	13554.11	100.00	2

Secondary Well Names				
Longboard PWD 20 1H Lat OH (s)				
Longboard PWU 20 1H Pilot (s)				
Emerald PWU 20 #2H (s)				

Anti Collision Report Terminology

S.Minor, S.Major : Radii of the ellipse of uncertainty at the current location as seen in the along hole direction.

PHI : Angle between high-side vector and semi-minor axis

TVD Spread : Total TVD range of the ellipsoid of uncertainty at the current location

ES : Distance between the extremities of the primary and secondary uncertainty ellipsoids in the direction Cr-Cr

T.Face to Sec : Angle between the Hi-Side vector of the primary well at the current location and line of closest approach between the two wells

AC Filter Info: The following filter(s) have been applied: Separation Factor

5D Anti-Collision Report

Separation factors calculated using Pedal Curve (Independent Uncertainty). Well path created using minimum curvature.

Anti Collision Proximity Summary (TVD relative to Drill Floor)

Secondary Well Name	Pri MD (US ft)	Sec MD (US ft)	TVD (US ft)	CC (US ft)	ES (US ft)	SF	Risk
Longboard PWU 20 1H Pilot (s)	8407.00	8407.00	8398.94	0.00	-0.56	0.00	SF (Hi)
Longboard PWD 20 1H Lat OH (s)	13182.00	13748.00	8950.01	614.67	533.37	7.56	
Emerald PWU 20 #2H (s)	13554.11	12066.09	8949.00	1076.20	1006.10	15.35	

Primary Well : Longboard PWU 10 1H RE Lat (p) (TVD Relative to Drill Floor ; All Azimuth Relative to GRID NORTH)

MD (US ft)	TVD (US ft)	T Face to Sec (°)	S Major (US ft)	S Minor (US ft)	Nearest Well	CC (US ft)	ES (US ft)	SF	Risk
8407.00	8398.94	82.01	17.79	17.53	Longboard PWU 20 1H Pilot (s)	0.00	-0.56	0.00	SF (Hi)
8507.00	8498.23	162.57	17.96	17.51	Longboard PWU 20 1H Pilot (s)	8.24	-27.29	0.23	SF (Hi)
8607.00	8594.16	171.01	18.09	17.14	Longboard PWU 20 1H Pilot (s)	33.08	-2.72	0.92	SF (Hi)
8707.00	8683.82	173.61	18.20	16.57	Longboard PWU 20 1H Pilot (s)	74.79	38.68	2.07	
8807.00	8764.49	174.66	18.37	15.79	Longboard PWU 20 1H Pilot (s)	132.47	96.13	3.64	
8907.00	8833.71	175.11	18.62	14.90	Longboard PWU 20 1H Pilot (s)	204.10	167.47	5.57	

Secondary Well : Longboard PWU 20 1H Pilot (s) (TVD Relative to Drill Floor (Primary) ; All Azimuth Relative to GRID NORTH)

Pri MD (US ft)	TVD (US ft)	Sec MD (US ft)	T Face to Sec (°)	S Major (US ft)	S Minor (US ft)	CC (US ft)	ES (US ft)	SF	Risk
8407.00	8398.94	8407.00	82.01	17.26	17.14	0.00	-0.56	0.00	SF (Hi)
8507.00	8498.40	8506.55	162.57	17.37	17.24	8.24	-27.29	0.23	SF (Hi)
8607.00	8595.05	8603.30	171.01	17.47	17.35	33.08	-2.72	0.92	SF (Hi)
8707.00	8685.09	8693.42	173.61	17.57	17.47	74.79	38.68	2.07	
8807.00	8765.54	8773.94	174.66	17.69	17.60	132.47	96.13	3.64	
8907.00	8833.27	8841.70	175.11	17.82	17.73	204.10	167.47	5.57	



Weatherford

Weatherford Drilling Services

GeoDec4 v2.1.0.0

Report Date: November 19, 2014
Job Number: _____
Customer: Devon Energy
Well Name: Longboard PWU 20 1H RE
API Number: _____
Rig Name: _____
Location: Eddy Co, NM Nad83 NME
Block: _____
Engineer: RWJ

NAD83 / New Mexico East (ftUS)	NAD83 (1986)
Projected Coordinate System	Geodetic Coordinate System
Datum: North American Datum 1983 (1986)	Datum: North American Datum 1983 (1986)
Ellipsoid: GRS 1980	Ellipsoid: GRS 1980
EPSG: 2257	EPSG: 4269
North: 599924.25 US Survey Foot	Latitude: 32.649031 Degree
East: 611760.77 US Survey Foot	Longitude: -104.104527 Degree
Convergence: 0.12°	
Declination: 7.61°	
Total Correction: 7.49°	
Datum Transformation: none	

Geodetic Location WGS84

MSL Elevation = 0 m
Latitude = 32° 38' 56.51" N
Longitude = 104° 06' 16.30" W

Magnetic Declination = 7.61 deg	[True North Offset]
Local Gravity = .9988 g	Checksum = 6732
Local Field Strength = 48438 nT	Magnetic Vector X = 23719 nT
Magnetic Dip = 60.39 deg	Magnetic Vector Y = 3170 nT
Magnetic Model = bggm2014.dat	Magnetic Vector Z = 42114 nT
Run Date = December 15, 2014	Magnetic Vector H = 23930 nT

Signed: _____ Date: _____

© 2013 Weatherford

Warning: This information is controlled, and any printed version is deemed as uncontrolled unless suitably endorsed by a controlling authority or accompanied by a controlled table of contents in order to ensure adequate revision control.

Longboard PWU 10 1H RE Lat

Field: Eddy Co. NM (Nad 83 NME)

Map Units: US ft
Vertical Reference: Mean Sea Level
Projected Coordinate: NAD83 / New Mexico East (ftUS)

Site: Longboard PWU 20 1H

Company Name: Devon Energy
Units: US ft
TVD Reference:
Position:

Northing:	599924.25US ft	Latitude:	32° 38' 56.51"
Easting:	611760.77US ft	Longitude:	-104° 6' 16.30"

North Reference: Grid Convergence Angle: 0.12
Elevation above Mean: 3341.00US ft
Comment:

Slot: Longboard PWU 20 1H

Position (Relative to Site centre)

+N/-S: 0.00US ft	Northing:	599924.25US ft	Latitude:	32° 38' 56.51"
+E/-W: 0.00US ft	Easting:	611760.77US ft	Longitude:	-104° 6' 16.30"
Elevation above Mean	3341.00US ft			
Comment:				

Well: Longboard PWU 10 1H RE Lat

Type:	Sidetrack	Rig Height (Drill	25.00US ft	Relative To
File Number:				
Parent: Longboard	Tie Point Method: MD	Tie Point: 8400.00 US ft		
Plan Folder:	P1	Plan:	P1:V2	
Comment:	New Prog.			
Closure Distance:	4640.7US ft	Closure Azimuth:	90.3536°	
Comment:				

Vertical Section:

Position of Origin	+N/-S: 0.00US ft	+E/-W: 0.00US ft
Vertical Section	89.78°	

Magnetic Parameters:

Model: BGGM Field Strength: 48437.7 nT Declination: 7.61° Dip: 60.39° Date: 15/Dec/2014 I75

Target Set: Longboard PWU 10 1H RE

Number of Targets: 1

Target: PBHL 1H RE

Position: (Relative to Slot centre)

+N/-S: -28.64	Northing: 599895.61	Latitude: 32° 38' 56.13"
+E/-W: 4640.61	Easting: 616401.38	Longitude: -104° 5' 22.02"
TVD (Drill Floor):	8949.00 US ft	
Shape: Cuboid		
Orientation	Inclination: -0.16°	Azimuth: 89.80°
Dimensions	Length: 8520.00	Breadth: 50.00 Height: 20.00

Casing Points: (Relative to Slot Centre; TVD Relative to Drill Floor)

MD	Inc	Az	TVD	N Offset	E Offset	Northing	Easting	Name
(US ft)	(°)	(°)	(US ft)	(US ft)	(US ft)	(US ft)	(US ft)	

Wellpath created using minimum curvature

Salient Points: (Relative to Slot Centre; TVD Relative to Drill Floor)

MD	Inc	Az	TVD	N Offset	E Offset	VS	DLS	B Rate	T Rate	T Rate	Comment
(US ft)	(°)	(°)	(US ft)	(US ft)	(US ft)	(US ft)	(°/100)	(°/100 US ft)	(°/100 US ft)	(°)	
0	0	0	0	0	0	0	0	0	0	0	
100	0.24	168.24	100	-0.21	-0.04	-0.04	0.24	0.24	0	168.24	
200	0.15	29.82	200	-0.3	-0.15	-0.15	0.37	-0.09	138.42	195.78	
300	0.26	322.21	300	0	0.08	0.08	0.25	-0.11	-67.61	258.03	
400	0.37	254.6	400	0.09	-0.37	-0.37	0.36	0.11	-67.61	250.81	
500	0.28	339.56	500	0.25	-0.77	-0.77	0.44	-0.09	84.96	141.08	

600	0.18	64.51	600	0.53	0.71	0.71	0.32	-0.1	84.95	145.83
700	0.83	75.76	699.99	0.78	0.13	0.13	0.65	0.65	11.25	14.33
800	1.48	87.01	799.97	1.02	2.12	2.13	0.69	0.65	11.25	24.91
900	1.21	90.54	899.94	1.08	4.47	4.47	0.26	0.27	3.53	164.7
1000	0.95	94.07	999.93	1.01	6.35	6.35	0.27	0.26	3.53	167.41
1100	0.62	97.16	1099.92	0.88	7.71	7.72	0.33	0.38	3.09	174.23
1200	0.28	100.25	1199.91	0.77	8.49	8.49	0.34	0.34	3.09	177.46
1300	0.29	147.93	1299.91	0.51	8.87	8.87	0.23	0.01	47.68	111.57
1400	0.3	195.62	1399.91	0.05	8.93	8.93	0.24	0.01	47.69	111.65
1500	0.43	216.91	1499.91	0.5	8.63	8.63	0.19	0.13	21.29	57.19
1600	0.56	238.2	1599.9	-1.06	7.99	7.99	0.22	0.13	21.29	65.7
1700	0.93	236.9	1699.9	4.76	6.9	6.89	0.37	0.37	1.3	356.73
1800	1.3	235.81	1799.88	2.85	5.28	5.27	0.37	0.37	1.29	355.47
1900	1.33	237.96	1899.85	4.1	3.36	3.35	0.06	0.03	2.35	62.09
2000	1.36	240.31	1999.82	5.31	1.35	1.33	0.06	0.03	2.35	62.64
2100	1.26	242.12	2099.8	6.41	0.66	0.68	0.11	0.1	1.81	158.42
2200	1.16	243.94	2199.77	7.17	-2.54	-2.56	0.11	0.1	0.82	159.89
2300	1.34	251.08	2299.75	8.19	4.55	4.58	0.24	0.18	7.14	44.48
2400	1.52	258.22	2399.72	8.84	6.96	6.99	0.25	0.18	7.14	48.32
2500	1.37	262.58	2499.69	9.27	-9.44	-9.48	0.19	0.15	4.36	145.93
2600	1.22	266.93	2599.66	9.48	11.89	11.73	0.18	0.15	4.35	148.52
2700	1.22	267.6	2699.64	9.58	13.82	13.85	0.01	0	0.67	90.33
2800	1.23	268.26	2799.62	9.66	15.35	15.99	0.02	0.01	0.66	85
2900	1.14	275.71	2899.6	9.59	18.01	18.05	0.18	0.09	7.45	123.98
3000	1.04	283.16	2999.58	9.28	19.89	19.92	0.17	0.1	7.45	128.89
3100	1.1	291.51	3099.56	8.73	21.66	21.7	0.17	0.06	8.35	73.18
3200	1.15	299.86	3199.54	7.87	23.43	23.46	0.17	0.05	8.35	77.24
3300	1.28	296.47	3299.52	6.88	25.3	25.32	0.15	0.13	3.49	329.36
3400	1.4	293.07	3399.49	5.9	27.42	27.44	0.14	0.12	3.4	324.76
3500	1.43	289.15	3499.46	5.01	29.72	29.74	0.1	0.09	3.92	285.25
3600	1.47	285.24	3599.43	4.27	32.14	32.16	0.11	0.04	3.91	290.05
3700	2.15	303.17	3699.38	2.9	34.95	34.98	0.88	0.68	17.91	48.98
3800	2.84	321.1	3799.28	0.05	38.07	38.07	1.03	0.69	17.91	57.71
3900	3.95	325.68	3899.11	4.84	41.57	41.55	1.14	1.11	4.58	16.02
4000	5.06	330.26	3998.8	11.5	45.7	45.66	1.17	1.11	4.58	20.25
4100	4.99	324.12	4098.41	18.85	50.44	50.37	0.54	0.07	6.24	259.53
4200	4.93	317.98	4198.04	25.97	55.86	55.77	0.53	0.06	6.24	250.5
4300	4.18	308.83	4297.73	31.03	61.58	61.46	1.04	0.75	9.15	219.69
4400	3.43	299.68	4397.51	34.81	67.02	66.88	0.98	0.75	9.15	214.49
4500	2.93	294.28	4497.35	37.34	71.99	71.8	0.58	0.5	5.4	208.25
4600	2.43	288.88	4597.24	39.08	76.28	76.13	0.56	0.5	5.4	204.11
4700	2.58	283.89	4697.15	40.31	80.47	80.32	0.76	0.19	4.99	302.01
4800	2.74	278.9	4797.04	41.22	85.02	84.86	0.28	0.18	4.99	302.13
4900	3.32	276.73	4896.9	41.93	90.26	90.09	0.59	0.58	2.17	347.73
5000	3.9	274.56	4996.7	42.54	96.52	96.36	0.6	0.58	2.17	345.66
5100	4.23	275.15	5096.45	43.14	103.59	103.42	0.33	0.33	0.59	7.52
5200	4.55	275.74	5196.15	43.87	111.21	111.04	0.32	0.32	0.59	8.33
5300	4.63	272.23	5295.83	44.42	119.18	119.01	0.29	0.08	3.51	284.14
5400	4.71	268.71	5395.5	44.48	127.32	127.15	0.3	0.08	3.52	283.84
5500	4.18	263.85	5495.2	44	135.05	134.86	0.69	0.53	4.86	112.99
5600	3.66	258.99	5594.97	43	141.81	141.64	0.62	0.52	4.86	210.17
5700	3.35	253.24	5694.78	41.55	147.74	147.58	0.47	0.31	5.75	225.75
5800	3.04	247.48	5794.62	39.69	152.98	152.83	0.45	0.31	5.76	223.15
5900	2.81	244.29	5894.49	37.61	157.64	157.5	0.28	0.23	3.21	213.86
6000	2.58	241.05	5994.38	35.46	161.82	161.68	0.28	0.23	3.22	211.75
6100	2.29	250.02	6094.29	33.69	165.67	165.54	0.48	0.23	8.97	131.69
6200	2	258.99	6194.22	32.67	169.26	169.13	0.44	0.29	8.97	135.24
6300	1.93	264.18	6294.17	32.17	172.66	172.52	0.19	0.07	5.19	114.05
6400	1.86	269.38	6394.11	31.98	175.94	175.82	0.19	0.07	5.2	114.74
6500	1.98	253.95	6494.06	31.48	179.23	179.1	0.53	0.12	15.45	275.28
6600	2.09	238.52	6593.98	30.05	182.44	182.33	0.56	0.11	15.41	273.57
6700	2.06	238.78	6693.93	28.17	185.53	185.42	0.03	0.03	0.26	162.71
6800	2.03	239.03	6793.86	26.33	188.59	188.49	0.03	0.03	0.25	163.56
6900	1.88	234.99	6893.81	24.47	191.45	191.36	0.2	0.15	4.04	220.57
7000	1.74	230.94	6993.76	22.68	193.97	193.89	0.19	0.14	4.05	220.81
7100	2.63	207.64	7093.69	19.59	196.22	196.14	1.24	0.89	23.3	303.01
7200	3.51	184.34	7193.54	14.5	197.51	197.46	1.51	0.88	23.3	293.18
7300	3.46	200.42	7293.36	8.62	198.8	198.76	0.98	0.05	16.08	100.93
7400	3.4	216.5	7393.18	3.41	201.62	201.6	0.96	0.06	16.08	101.57
7500	3.03	195.77	7493.03	-1.52	204.1	204.1	1.21	0.37	20.73	242.18
7600	2.66	175.03	7592.91	-6.37	204.61	204.63	1.09	0.37	20.74	240.07
7700	2.5	180.84	7692.81	10.87	204.45	204.49	0.31	0.15	5.81	124.34
7800	2.34	186.66	7792.72	15.07	204.71	204.77	0.29	0.15	5.82	125.95
7900	2.45	182.43	7892.63	-19.24	205.04	205.11	0.21	0.11	4.23	299.77

Interpolated Points: (Relative to Slot Centre; TVD Relative to Drill Floor)

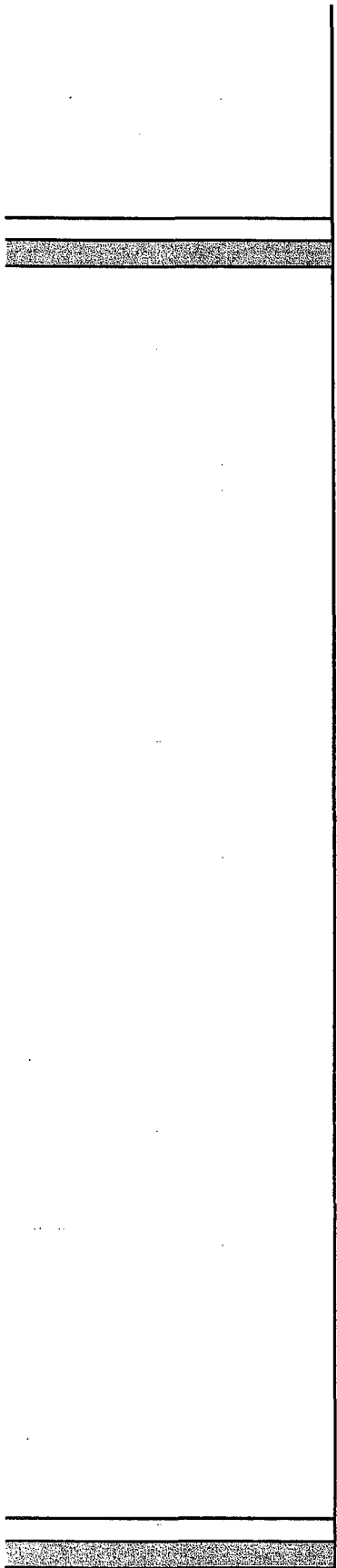
Formation Points: (Relative to Slot Centre, TVD Relative to Drill Floor)	
1	100
2	100
3	100
4	100
5	100
6	100
7	100
8	100
9	100
10	100
11	100
12	100
13	100
14	100
15	100
16	100
17	100
18	100
19	100
20	100
21	100
22	100
23	100
24	100
25	100
26	100
27	100
28	100
29	100
30	100
31	100
32	100
33	100
34	100
35	100
36	100
37	100
38	100
39	100
40	100
41	100
42	100
43	100
44	100
45	100
46	100
47	100
48	100
49	100
50	100
51	100
52	100
53	100
54	100
55	100
56	100
57	100
58	100
59	100
60	100
61	100
62	100
63	100
64	100
65	100
66	100
67	100
68	100
69	100
70	100
71	100
72	100
73	100
74	100
75	100
76	100
77	100
78	100
79	100
80	100
81	100
82	100
83	100
84	100
85	100
86	100
87	100
88	100
89	100
90	100
91	100
92	100
93	100
94	100
95	100
96	100
97	100
98	100
99	100
100	100

MP (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	Name	Comment
Weatherford International Limited.									

[illegible]

1

2



50759 19 November 2014 19:05:37 UTC	

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

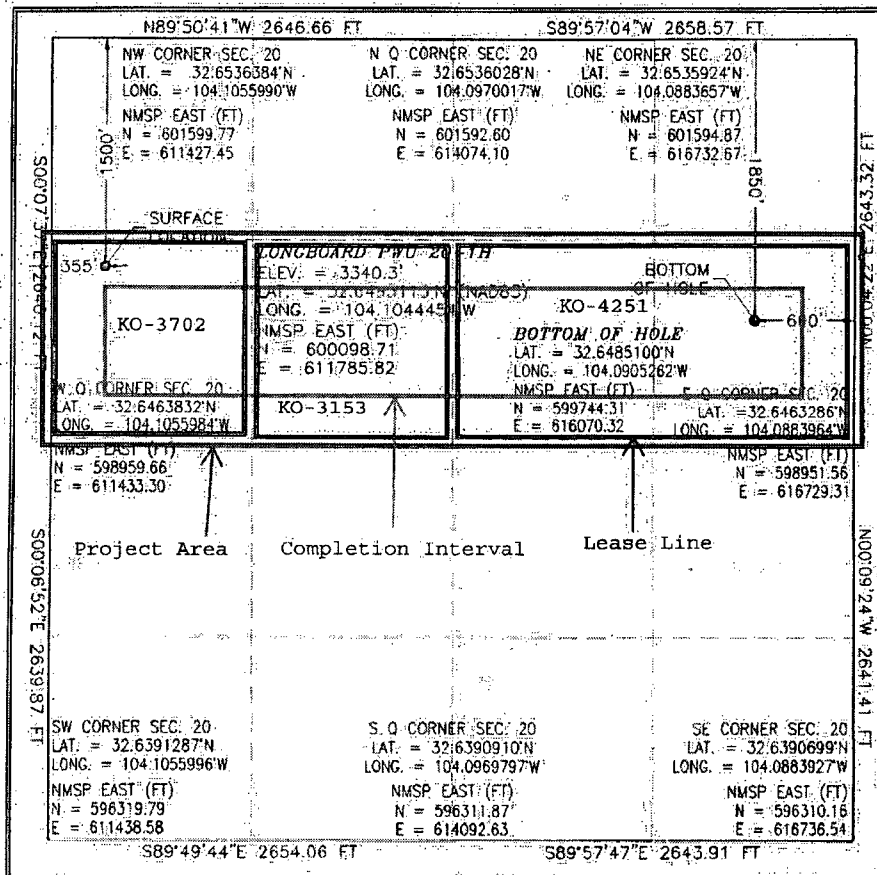
Form C-102
Revised October 15, 2009
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number		Pool Code		Pool Name					
		97913		Wildcat G-06 S2530020; Bone Spring					
Property Code		Property Name			Well Number				
39110		LONGBOARD PWU 20			1H				
OGRID No.		Operator Name			Elevation				
6137		DEVON ENERGY PRODUCTION COMPANY, L.P.			3340.3				
10 Surface Location									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	20	19 S	29 E		1500	NORTH	355	WEST	EDDY
11 Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
H	20	19 S	29 E		1850	NORTH	660	EAST	EDDY
12 Dedicated Acres		13 Joint or Infill		14 Consolidation Code		15 Order No.			
160.00									

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Linda Good 11/20/2014
Signature Date

Printed Name
Linda Good linda.good@dvn.com

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true, and correct to the best of my belief.

APRIL 5, 2010
Date of Survey
Signature of Professional Surveyor
Certificate Number: FIRMION F. JARA VILLO, PLS 12797
SURVEY NO. 1001