

HOBBS OCD

APR 27 2016

RECEIVED**5D Plan Report****Devon Energy****Field Name:** *Lea Co, NM Nad 83 NMEZ***Site Name:** *Coachwhip 26 Fed 4H, 6H, 8H Pad***Well Name:** *Coachwhip 26 Fed 6H***Plan:** *P1:V1*

08 May 2015

**Weatherford®**

APR 28 2016

Coachwhip 26 Fed 6H

Field Name Lea Co. NM Nad 83 NMEZ	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 Coachwhip 26 Fed 4H, 6H, 8H Pad	Units : US ft	North Reference : Grid	Convergence Angle : 0.43	
	Position	Northing : 467236.68 US ft	Latitude : 32° 16' 55.16"	
		Easting : 787875.60 US ft	Longitude : -103° 32' 8.08"	
Elevation above Mean Sea Level: 3662.00 US ft				
Comment :				
Slot Name Coachwhip 26 Fed 6H	Position (Offsets relative to Site Centre)			
	+N / -S : -0.27 US ft	Northing : 467236.41 US ft	Latitude : 32° 16' 55.16"	
	+E / -W : -50.03 US ft	Easting : 787825.57 US ft	Longitude : -103° 32' 8.67"	
Slot TVD Reference : Ground Elevation				
Elevation above Mean Sea Level : 3662.00 US ft				
Comment :				
Well Name Coachwhip 26 Fed 6H	Type : Main well		UWI :	Plan : P1:V1
	Rig Height Well TVD Reference : 25.00 US ft		Comment :	
	Relative to Mean Sea Level: 3687.00 US ft			
	Closure Distance : 4628.84 US ft		Closure Azimuth : 180.522°	
	Vertical Section (Position of Origin Relative to Slot)			
	+N / -S : 0.00 US ft		+E / -W : 0.00 US ft	Az : 179.53°
	Magnetic Parameters			
Model : BGGM	Field Strength : 48183.1nT	Dec : 7.23°	Dip : 60.13°	Date : 15/Oct/2015

Target Set

Name : Coachwhip 26 Fed 6H
Number of Targets : 1

Comment :

Target Name: PBHL 6H Shape: Cuboid	Position (Relative to Slot centre)			
	+N / -S : 4628.65US ft	Northing : 462607.76 US ft	Latitude : 32° 16' 9.36"	
	+E / -W : -42.15 US ft	Easting : 787783.42US ft	Longitude : -103° 32' 9.56"	
TVD (Well TVD Reference) : 9997.00 US ft				
Orientation Azimuth : 179.53°		Inclination : 0.28°		
Dimensions Length : 9256.00 US ft		Breadth : 100.00 US ft	Height : 30.00 US ft	

5D Plan Report

Casing Points (Relative to Slot centre, TVD relative to Well TVD Reference)								
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	Northing (US ft)	Easting (US ft)	Name
1420.00	0.00	0.00	1420.00	0.00	0.00	467236.41	787825.57	13 3/8 in
5200.00	0.00	0.00	5200.00	0.00	0.00	467236.41	787825.57	9 5/8 in

Well path created using minimum curvature

Salient Points (Relative to Slot centre, TVD relative to Well TVD Reference)											
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N. Offset (US ft)	E. Offset (US ft)	VS (US ft)	DLS (°/100 US ft)	B. Rate (°/100 US ft)	T. Rate (°/100 US ft)	T. Face (°)	Comment
0.00	0.00	0.00	0.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	
1420.00	0.00	0.00	1420.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	13 3/8 in
5200.00	0.00	0.00	5200.00	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	9 5/8 in
9535.54	0.00	0.00	9535.54	0.00	0.00	-0.00	0.00	0.00	0.00	0.00	KOP
10118.87	70.00	190.95	9984.21	-308.44	-59.68	307.94	12.00	12.00	0.00	190.95	Build/Turn
10311.89	90.28	179.53	10017.20	-496.56	-76.33	495.91	12.00	10.51	-5.92	329.77	LP
14444.18	90.28	179.53	9997.00	-4628.65	-42.15	4628.15	0.00	0.00	0.00	0.00	PBHL 6H

Interpolated Points (Relative to Slot centre, TVD relative to Well TVD Reference)											
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
9500.00	0.00	0.00	9500.00	0.00	0.00	-0.00	0.00	467236.41	787825.57		
9535.54	0.00	0.00	9535.54	0.00	0.00	-0.00	0.00	467236.41	787825.57		KOP
9600.00	7.74	190.95	9599.80	-4.27	-0.83	4.26	12.00	467232.14	787824.74		
9700.00	19.74	190.95	9696.77	-27.53	-5.33	27.49	12.00	467208.88	787820.24		
9800.00	31.74	190.95	9786.68	-70.09	-13.56	69.97	12.00	467166.32	787812.01		
9900.00	43.74	190.95	9865.62	-130.06	-25.16	129.85	12.00	467106.35	787800.41		
10000.00	55.74	190.95	9930.14	-204.84	-39.63	204.51	12.00	467031.57	787785.94		
10100.00	67.74	190.95	9977.41	-291.16	-56.33	290.69	12.00	466945.25	787769.24		
10118.87	70.00	190.95	9984.21	-308.44	-59.68	307.94	12.00	466927.97	787765.89		Build/Turn
10200.00	78.47	185.96	10006.24	-385.58	-71.07	384.99	12.00	466850.83	787754.50		
10300.00	89.02	180.20	10017.13	-484.66	-76.36	484.02	12.00	466751.75	787749.21		
10311.89	90.28	179.53	10017.20	-496.56	-76.33	495.91	12.00	466739.85	787749.24		LP
10400.00	90.28	179.53	10016.77	-584.66	-75.60	584.02	0.00	466651.75	787749.97		
10500.00	90.28	179.53	10016.28	-684.65	-74.78	684.02	0.00	466551.76	787750.79		
10600.00	90.28	179.53	10015.79	-784.65	-73.95	784.02	0.00	466451.76	787751.62		
10700.00	90.28	179.53	10015.30	-884.64	-73.12	884.01	0.00	466351.77	787752.45		
10800.00	90.28	179.53	10014.81	-984.64	-72.29	984.01	0.00	466251.77	787753.28		
10900.00	90.28	179.53	10014.32	-1084.63	-71.47	1084.01	0.00	466151.78	787754.10		
11000.00	90.28	179.53	10013.83	-1184.63	-70.64	1184.01	0.00	466051.78	787754.93		
11100.00	90.28	179.53	10013.35	-1284.63	-69.81	1284.01	0.00	465951.78	787755.76		
11200.00	90.28	179.53	10012.86	-1384.62	-68.99	1384.01	0.00	465851.79	787756.58		
11300.00	90.28	179.53	10012.37	-1484.62	-68.16	1484.01	0.00	465751.79	787757.41		
11400.00	90.28	179.53	10011.88	-1584.61	-67.33	1584.01	0.00	465651.80	787758.24		
11500.00	90.28	179.53	10011.39	-1684.61	-66.50	1684.01	0.00	465551.80	787759.07		
11600.00	90.28	179.53	10010.90	-1784.60	-65.68	1784.00	0.00	465451.81	787759.89		
11700.00	90.28	179.53	10010.41	-1884.60	-64.85	1884.00	0.00	465351.81	787760.72		
11800.00	90.28	179.53	10009.92	-1984.59	-64.02	1984.00	0.00	465251.82	787761.55		
11900.00	90.28	179.53	10009.44	-2084.59	-63.20	2084.00	0.00	465151.82	787762.37		
12000.00	90.28	179.53	10008.95	-2184.58	-62.37	2184.00	0.00	465051.83	787763.20		
12100.00	90.28	179.53	10008.46	-2284.58	-61.54	2284.00	0.00	464951.83	787764.03		
12200.00	90.28	179.53	10007.97	-2384.57	-60.71	2384.00	0.00	464851.84	787764.86		
12300.00	90.28	179.53	10007.48	-2484.57	-59.89	2484.00	0.00	464751.84	787765.68		
12400.00	90.28	179.53	10006.99	-2584.57	-59.06	2583.99	0.00	464651.84	787766.51		
12500.00	90.28	179.53	10006.50	-2684.56	-58.23	2683.99	0.00	464551.85	787767.34		
12600.00	90.28	179.53	10006.01	-2784.56	-57.40	2783.99	0.00	464451.85	787768.17		
12700.00	90.28	179.53	10005.53	-2884.55	-56.58	2883.99	0.00	464351.86	787768.99		
12800.00	90.28	179.53	10005.04	-2984.55	-55.75	2983.99	0.00	464251.86	787769.82		
12900.00	90.28	179.53	10004.55	-3084.54	-54.92	3083.99	0.00	464151.87	787770.65		
13000.00	90.28	179.53	10004.06	-3184.54	-54.10	3183.99	0.00	464051.87	787771.47		
13100.00	90.28	179.53	10003.57	-3284.53	-53.27	3283.99	0.00	463951.88	787772.30		

SD Plan Report

Interpolated Points (Relative to Slot centre, TVD relative to Well TVD Reference)										
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
13200.00	90.28	179.53	10003.08	-3384.53	-52.44	3383.98	0.00	463851.88	787773.13	
13300.00	90.28	179.53	10002.59	-3484.52	-51.61	3483.98	0.00	463751.89	787773.96	
13400.00	90.28	179.53	10002.10	-3584.52	-50.79	3583.98	0.00	463651.89	787774.78	
13500.00	90.28	179.53	10001.61	-3684.51	-49.96	3683.98	0.00	463551.90	787775.61	
13600.00	90.28	179.53	10001.13	-3784.51	-49.13	3783.98	0.00	463451.90	787776.44	
13700.00	90.28	179.53	10000.64	-3884.51	-48.31	3883.98	0.00	463351.90	787777.26	
13800.00	90.28	179.53	10000.15	-3984.50	-47.48	3983.98	0.00	463251.91	787778.09	
13900.00	90.28	179.53	9999.66	-4084.50	-46.65	4083.98	0.00	463151.91	787778.92	
14000.00	90.28	179.53	9999.17	-4184.49	-45.82	4183.98	0.00	463051.92	787779.75	
14100.00	90.28	179.53	9998.68	-4284.49	-45.00	4283.97	0.00	462951.92	787780.57	
14200.00	90.28	179.53	9998.19	-4384.48	-44.17	4383.97	0.00	462851.93	787781.40	
14300.00	90.28	179.53	9997.70	-4484.48	-43.34	4483.97	0.00	462751.93	787782.23	
14400.00	90.28	179.53	9997.22	-4584.47	-42.52	4583.97	0.00	462651.94	787783.05	
14444.18	90.28	179.53	9997.00	-4628.65	-42.15	4628.15	0.00	462607.76	787783.42	PBHL 6H