



NM OIL CONSERVATION
ARTESIA DISTRICT

APR 25 2018

RECEIVED
5D Plan Report

Apache Corporation

Field Name: *Apache NM (Nad 83 NMEZ)*
Site Name: *Palmillo 26 State COM (311H,312H)*
Well Name: *Palmillo 26 State COM 311H- 30-015-44903*
Plan: *P1:V1*

5 April 2018





Palmillo 26 State COM 311H

Field Name: Apache NM (Nad 83 NMEZ)	Map Units: US ft		Company Name: Apache Corporation	
	Vertical Reference Datum (VRD): Mean Sea Level			
	Projected Coordinate System: NAD83 / New Mexico East (ftUS)			
	Comment:			
Site: Palmillo 26 State COM (311H,312H)	Units: US ft	North Reference: Grid	Convergence Angle: 0.10	
	Position:	Northing: 591842.80 US ft	Latitude: 32.626876372	
		Easting: 600965.80 US ft	Longitude: -104.139647364	
		Elevation above MSL:3329.00 US ft		
Comment: Eddy Co., New Mexico				
Slot: Palmillo 26 State COM 311H	Position (Relative to Site Centre)			
	+N/-S: 0.00 US ft	Northing: 591842.80 US ft	Latitude: 32.626876372	
	+E/-W: 0.00 US ft	Easting: 600965.80 US ft	Longitude: -104.139647364	
	Slot TVD Reference: Ground Elevation			
Elevation above MSL: 3329.00 US ft				
Comment:				
Well: Palmillo 26 State COM 311H	Type:Main well		UWI:	Plan:P1:V1
	File Number:	Comment: H&P 482		
	Closure Distance:4955.43US ft		Closure Azimuth:264.42°	
	Vertical Section: Position of Origin (Relative to Slot centre)			
	+N/-S: -0.00 US ft		+E/-W: -0.00 US ft	Az: 269.63°
	Magnetic Parameters:			
	Model: bggm2017	Field Strength: 48106.9nT	Declination: 7.21°	Dip: 60.31°

Drill floor: Plan: P1:V1

Rig Height (Drill Floor): 26.00us ft	Elevation above MSL: 3355.00us ft	Inclination: 0.00°	Azimuth: 0.00°
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Target set: P26 St Com 311H Comment:

Target Name:	Shape:	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northings (USft)	Easting (USft)	C.Pt.Distance (US ft)	Comment
NP	Point	8162.60	-448.81	133.40	591393.99	601099.20	0.00	
LP	Point	8640.06	-451.93	-344.71	591390.87	600621.09	0.01	
T1	Point	8637.00	-466.37	-2560.80	591376.43	598405.00	0.00	
T2	Point	8668.00	-475.70	-4020.49	591367.10	596945.31	0.00	
PBHL	Point	8643.00	-481.20	-4882.00	591361.60	596083.80	0.00	

5D Plan Report

Casing 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)	Northing (US ft)	Easting (US ft)	Name
400.00	0.00	0.00	400.00	-0.00	-0.00	591842.80	600965.80	13 3/8 in
8025.18	0.00	0.00	8000.00	-448.81	133.40	591393.99	601099.20	9 5/8 in

Wellpath created using minimum curvature.

Tie Point:					
MD: 0.00USFt	Inclination: 0.00°	Azimuth: 0.00°	TVD: - 0.00USFt	North Offset: - 0.00USFt	East Offset: - 0.00USFt

Salient Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (%/100US ft)	Comment
0.00	0.00	0.00	-0.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
3100.00	0.00	0.00	3100.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
3749.55	6.50	163.45	3748.16	-10.25	-35.26	10.48	591807.54	600976.28	1.00	
7238.23	6.50	163.45	7214.44	-120.25	-413.55	122.92	591429.25	601088.72	0.00	
7887.78	0.00	0.00	7862.60	-130.50	-448.81	133.40	591393.99	601099.20	1.00	Hold 300'
8187.78	0.00	0.00	8162.60	-130.50	-448.81	133.40	591393.99	601099.20	0.00	KOP
8938.44	90.08	269.63	8640.06	347.63	-451.93	-344.71	591390.87	600621.09	12.00	Landing Pt
11154.57	90.08	269.63	8637.00	2563.76	-466.37	-2560.80	591376.43	598405.00	0.00	T1 - Drop
11229.40	88.58	269.63	8637.87	2638.58	-466.85	-2635.62	591375.95	598330.18	2.00	Hold
12460.72	88.58	269.63	8668.33	3869.52	-474.72	-3866.54	591368.08	597099.26	0.00	Build
12614.69	91.66	269.63	8668.00	4023.48	-475.70	-4020.49	591367.10	596945.31	2.00	T2
13476.58	91.66	269.63	8643.00	4885.01	-481.20	-4882.00	591361.60	596083.80	0.00	311H PBHL
13526.58	91.66	269.63	8641.55	4934.98	-481.52	-4931.98	591361.28	596033.82	0.00	50' for Orlo valve

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										Comment
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	
0.00	0.00	0.00	-0.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	13 3/8 in
100.00	0.00	0.00	100.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
200.00	0.00	0.00	200.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
300.00	0.00	0.00	300.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
400.00	0.00	0.00	400.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
500.00	0.00	0.00	500.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
600.00	0.00	0.00	600.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
700.00	0.00	0.00	700.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
800.00	0.00	0.00	800.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
900.00	0.00	0.00	900.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
1000.00	0.00	0.00	1000.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
1100.00	0.00	0.00	1100.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
1200.00	0.00	0.00	1200.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
1300.00	0.00	0.00	1300.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
1400.00	0.00	0.00	1400.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
1500.00	0.00	0.00	1500.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
1600.00	0.00	0.00	1600.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
1700.00	0.00	0.00	1700.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
1800.00	0.00	0.00	1800.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
1900.00	0.00	0.00	1900.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
2000.00	0.00	0.00	2000.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
2100.00	0.00	0.00	2100.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
2200.00	0.00	0.00	2200.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
2300.00	0.00	0.00	2300.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
2400.00	0.00	0.00	2400.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
2500.00	0.00	0.00	2500.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
2600.00	0.00	0.00	2600.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
2700.00	0.00	0.00	2700.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
2800.00	0.00	0.00	2800.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
2900.00	0.00	0.00	2900.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
3000.00	0.00	0.00	3000.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N Offset (US ft)	E Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
3100.00	0.00	0.00	3100.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	
3105.00	0.05	163.45	3105.00	-0.00	-0.00	0.00	591842.80	600965.80	1.00	Delaware Sands :
3200.00	1.00	163.45	3199.99	-0.24	-0.84	0.25	591841.96	600966.05	1.00	
3300.00	2.00	163.45	3299.96	-0.97	-3.35	0.99	591839.45	600966.79	1.00	
3400.00	3.00	163.45	3399.86	-2.19	-7.53	2.24	591835.27	600968.04	1.00	
3500.00	4.00	163.45	3499.68	-3.89	-13.38	3.98	591829.42	600969.78	1.00	
3600.00	5.00	163.45	3599.37	-6.08	-20.90	6.21	591821.90	600972.01	1.00	
3700.00	6.00	163.45	3698.90	-8.75	-30.09	8.94	591812.71	600974.74	1.00	
3749.55	6.50	163.45	3748.16	-10.25	-35.26	10.48	591807.54	600976.28	1.00	
3800.00	6.50	163.45	3798.29	-11.84	-40.73	12.10	591802.07	600977.90	0.00	
3900.00	6.50	163.45	3897.64	-14.99	-51.57	15.33	591791.23	600981.13	0.00	
4000.00	6.50	163.45	3997.00	-18.15	-62.41	18.55	591780.39	600984.35	0.00	
4008.05	6.50	163.45	4005.00	-18.40	-63.29	18.81	591779.51	600984.61	0.00	18SC :
4100.00	6.50	163.45	4096.36	-21.30	-73.26	21.77	591769.54	600987.57	0.00	
4200.00	6.50	163.45	4195.72	-24.45	-84.10	25.00	591758.70	600990.80	0.00	
4300.00	6.50	163.45	4295.08	-27.61	-94.94	28.22	591747.86	600994.02	0.00	
4400.00	6.50	163.45	4394.43	-30.76	-105.79	31.44	591737.01	600997.24	0.00	
4500.00	6.50	163.45	4493.79	-33.91	-116.63	34.67	591726.17	601000.47	0.00	
4600.00	6.50	163.45	4593.15	-37.07	-127.48	37.89	591715.32	601003.69	0.00	
4700.00	6.50	163.45	4692.51	-40.22	-138.32	41.11	591704.48	601006.91	0.00	
4800.00	6.50	163.45	4791.87	-43.37	-149.16	44.34	591693.64	601010.14	0.00	
4900.00	6.50	163.45	4891.22	-46.52	-160.01	47.56	591682.79	601013.36	0.00	
5000.00	6.50	163.45	4990.58	-49.68	-170.85	50.78	591671.95	601016.58	0.00	
5100.00	6.50	163.45	5089.94	-52.83	-181.69	54.00	591661.11	601019.80	0.00	
5200.00	6.50	163.45	5189.30	-55.98	-192.54	57.23	591650.26	601023.03	0.00	
5300.00	6.50	163.45	5288.66	-59.14	-203.38	60.45	591639.42	601026.25	0.00	
5400.00	6.50	163.45	5388.01	-62.29	-214.22	63.67	591628.58	601029.47	0.00	
5500.00	6.50	163.45	5487.37	-65.44	-225.07	66.90	591617.73	601032.70	0.00	
5600.00	6.50	163.45	5586.73	-68.60	-235.91	70.12	591606.89	601035.92	0.00	
5700.00	6.50	163.45	5686.09	-71.75	-246.76	73.34	591596.04	601039.14	0.00	
5800.00	6.50	163.45	5785.45	-74.90	-257.60	76.57	591585.20	601042.37	0.00	
5900.00	6.50	163.45	5884.81	-78.05	-268.44	79.79	591574.36	601045.59	0.00	
6000.00	6.50	163.45	5984.16	-81.21	-279.29	83.01	591563.51	601048.81	0.00	
6100.00	6.50	163.45	6083.52	-84.36	-290.13	86.24	591552.67	601052.04	0.00	
6200.00	6.50	163.45	6182.88	-87.51	-300.97	89.46	591541.83	601055.26	0.00	
6300.00	6.50	163.45	6282.24	-90.67	-311.82	92.68	591530.98	601058.48	0.00	
6400.00	6.50	163.45	6381.60	-93.82	-322.66	95.90	591520.14	601061.70	0.00	
6500.00	6.50	163.45	6480.95	-96.97	-333.50	99.13	591509.30	601064.93	0.00	
6600.00	6.50	163.45	6580.31	-100.12	-344.35	102.35	591498.45	601068.15	0.00	
6624.85	6.50	163.45	6605.00	-100.91	-347.04	103.15	591495.76	601068.95	0.00	1 BSS :
6700.00	6.50	163.45	6679.67	-103.28	-355.19	105.57	591487.61	601071.37	0.00	
6800.00	6.50	163.45	6779.03	-106.43	-366.04	108.80	591476.76	601074.60	0.00	
6826.14	6.50	163.45	6805.00	-107.25	-368.87	109.64	591473.93	601075.44	0.00	2 BSC :
6900.00	6.50	163.45	6878.39	-109.58	-376.88	112.02	591465.92	601077.82	0.00	
7000.00	6.50	163.45	6977.74	-112.74	-387.72	115.24	591455.08	601081.04	0.00	
7100.00	6.50	163.45	7077.10	-115.89	-398.57	118.47	591444.23	601084.27	0.00	
7200.00	6.50	163.45	7176.46	-119.04	-409.41	121.69	591433.39	601087.49	0.00	
7238.23	6.50	163.45	7214.44	-120.25	-413.55	122.92	591429.25	601088.72	0.00	
7300.00	5.88	163.45	7275.85	-122.10	-419.94	124.82	591422.86	601090.62	1.00	
7400.00	4.88	163.45	7375.41	-124.72	-428.92	127.49	591413.88	601093.29	1.00	
7499.88	3.88	163.45	7475.00	-126.84	-436.23	129.66	591406.57	601095.46	1.00	2 BSS :
7500.00	3.88	163.45	7475.12	-126.84	-436.24	129.66	591406.56	601095.46	1.00	
7600.00	2.88	163.45	7574.95	-128.49	-441.88	131.34	591400.92	601097.14	1.00	
7700.00	1.88	163.45	7674.86	-129.64	-445.86	132.52	591396.94	601098.32	1.00	
7770.17	1.18	163.45	7745.00	-130.16	-447.65	133.06	591395.15	601098.86	1.00	3 BSP :
7800.00	0.88	163.45	7774.83	-130.31	-448.17	133.21	591394.63	601099.01	1.00	
7887.78	0.00	0.00	7862.60	-130.50	-448.81	133.40	591393.99	601099.20	1.00	Hold 300'
7900.00	0.00	0.00	7874.82	-130.50	-448.81	133.40	591393.99	601099.20	0.00	

5D Plan Report

Interpolated Points: (Relative to Slot centre)(TVD relative to Drill Floor)										
MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	VS (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	DLS (°/100US ft)	Comment
12614.69	91.66	269.63	8668.00	4023.48	-475.70	-4020.49	591367.10	596945.31	2.00	T2
12700.00	91.66	269.63	8665.53	4108.75	-476.24	-4105.76	591366.56	596860.04	0.00	
12800.00	91.66	269.63	8662.62	4208.71	-476.88	-4205.72	591365.92	596760.08	0.00	
12900.00	91.66	269.63	8659.72	4308.67	-477.52	-4305.67	591365.28	596660.13	0.00	
13000.00	91.66	269.63	8656.82	4408.62	-478.16	-4405.63	591364.64	596560.17	0.00	
13100.00	91.66	269.63	8653.92	4508.58	-478.80	-4505.58	591364.00	596460.22	0.00	
13200.00	91.66	269.63	8651.02	4608.54	-479.44	-4605.54	591363.36	596360.26	0.00	
13300.00	91.66	269.63	8648.12	4708.50	-480.07	-4705.49	591362.73	596260.31	0.00	
13400.00	91.66	269.63	8645.22	4808.45	-480.71	-4805.45	591362.09	596160.35	0.00	
13476.58	91.66	269.63	8643.00	4885.01	-481.20	-4882.00	591361.60	596083.80	0.00	311H PBHL
13500.00	91.66	269.63	8642.32	4908.41	-481.35	-4905.41	591361.45	596060.39	0.00	
13526.58	91.66	269.63	8641.55	4934.98	-481.52	-4931.98	591361.28	596033.82	0.00	50' for Orio valve

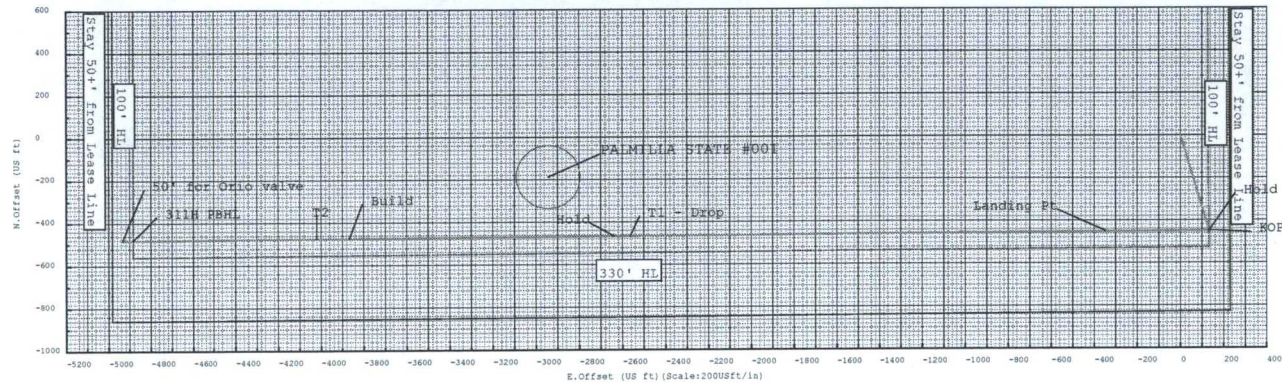
Formation Points: (Relative to Slot centre)(TVD relative to Drill Floor)									
Name	MD (US ft)	Inc (°)	Az (°)	TVD (US ft)	N.Offset (US ft)	E.Offset (US ft)	Northing (US ft)	Easting (US ft)	
Wolfcamp	N/A	2.55	163.45	8965.00	-5.44	1.62	591837.36	600967.42	
Delaware Sands	3105.00	0.05	163.45	3105.00	-0.00	0.00	591842.80	600965.80	
1BSC	4008.05	6.50	163.45	4005.00	-63.29	18.81	591779.51	600984.61	
1 BSS	6624.85	6.50	163.45	6605.00	-347.04	103.15	591495.76	601068.95	
2 BSC	6826.14	6.50	163.45	6805.00	-368.87	109.64	591473.93	601075.44	
2 BSS	7499.88	3.88	163.45	7475.00	-436.23	129.66	591406.57	601095.46	
3 BSP	7770.17	1.18	163.45	7745.00	-447.65	133.06	591395.15	601098.86	
3 BSS	8675.84	58.57	269.63	8570.00	-450.30	-95.06	591392.50	600870.74	
Landing Top	8821.58	76.06	269.63	8626.00	-451.17	-229.01	591391.63	600736.79	
Target	11355.66	88.58	269.63	8641.00	-467.66	-2761.84	591375.14	598203.96	
Landing Base	11962.12	88.58	269.63	8656.00	-471.53	-3368.10	591371.27	597597.70	



Apache Corporation
Palmillo 26 State COM 311H
Eddy Co., New Mexico
Plan P1:V1



KB: 3355.00
GL: 3329.00



Plan Data for Palmillo 26 State COM 311H

Field: Apache NM (Nad 83 NMEZ)
Map Unit: USFt Vertical Reference Datum (VRD): Mean Sea Level
Projected Coordinate System: NAD83 / New Mexico East (ftUS)

Site: Palmillo 26 State COM (311H, 312H)

Unit: USFet TVD Reference:
Company Name: Apache Corporation
Position:
North: 591842.80USFt Latitude: 32.626876°
East: 600965.80USFt Longitude: -104.139647°
North Reference: Grid Grid Convergence: 0.10°
Elevation Above VRD: 3329.00USFt
Comment: Eddy Co., New Mexico

Slot: Palmillo 26 State COM 311H

Position:
Offset is from Site centre
+N/-S: 0.00USFt North: 591842.80USFt Latitude: 32.626876°
+E/-W: 0.00USFt East: 600965.80USFt Longitude: -104.139647°
Elevation Above VRD: 3329.00USFt

Well: Palmillo 26 State COM 311H

Type: Main-Well
File Number:
Plan Folder: P1 Plan: P1:V1
Vertical Section: Position offset of origin from Slot centre:
+N/-S: -0.00USFt Azimuth: 269.63°
+E/-W: -0.00USFt
Magnetic Parameters:
Model: Field Strength: Declination: Dip: Date:
bggm2017 48106(nT) 7.21° 60.31° 2018-07-01
Comment: H&P 482

Plan Data for Palmillo 26 State COM 311H

Target Set Information:
Name: P26 St Com 311H
Position offsets from Slot centre

Name	TVD	Elevation	+N/-S	+E/-W	North	East
(USFt)	(USFt)	(USFt)	(USFt)	(USFt)	(USFt)	(USFt)
NP	8162.60	-4807.60	-448.81	133.40	591393.99	601099.20
LP	8640.06	-5285.06	-451.93	-344.71	591390.87	600621.09
T1	8637.00	-5282.00	-466.37	-2560.80	591376.43	598405.00
T2	8668.00	-5313.00	-475.70	-4020.49	591367.10	596945.31
PBHL	8643.00	-5288.00	-481.20	-4882.00	591361.60	596083.80

Plan Data for Palmillo 26 State COM 311H

Formation Point Information:

Name	TVD	Elevation	MD
(USFt)	(USFt)	(USFt)	(USFt)
Wolfcamp	8965.00	0.00	-1.00
Delaware Sands	3105.00	250.00	3105.00
1BSC	4005.00	-650.00	4008.05
1 BSS	6605.00	-3250.00	6624.85
2 BSC	6805.00	-3450.00	6826.14
2 BSS	7475.00	-4120.00	7499.88
3 BSP	7745.00	-4390.00	7770.17
3 BSS	8570.00	-5215.00	8675.84
Landing Top	8626.00	-5271.00	8821.58
Target	8641.00	-5286.00	11355.66
Landing Base	8656.00	-5301.00	11962.12

Plan Data for Palmillo 26 State COM 311H

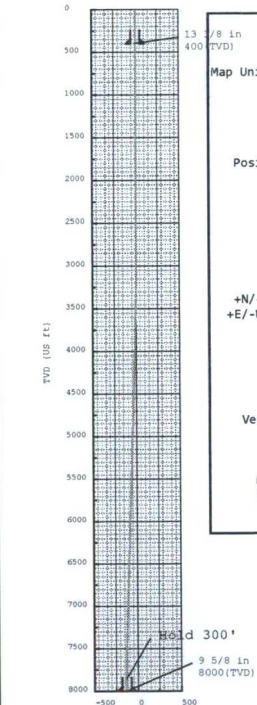
Plan Point Information:
DogLeg Severity Unit: °/100.00ft Position offsets from Slot centre

MD	Inc	Az	TVD	+N/-S	+E/-W	North	East	VSec	DLS	Comments
(USFt)	(°)	(°)	(USFt)	(USFt)	(USFt)	(USFt)	(USFt)	(USFt)	(DLSU)	
0.00	0.00	0.00	-0.00	-0.00	-0.00	591842.80	600965.80	0.00	0.00	
3100.00	0.00	0.00	3100.00	-0.00	-0.00	591842.80	600965.80	0.00	0.00	
3749.55	6.50	163.45	3748.16	-35.26	10.48	591807.54	600976.28	-10.25	1.00	
7238.23	6.50	163.45	7214.44	-413.55	122.92	591429.25	601088.72	-120.25	0.00	
7887.78	0.00	0.00	7862.60	-448.81	133.40	591393.99	601099.20	-130.50	1.00	Hold 300'
8187.78	0.00	0.00	8162.60	-448.81	133.40	591393.99	601099.20	-130.50	0.00	KOP
8938.44	90.08	269.63	8640.06	-451.93	-344.71	591390.87	600621.09	347.63	12.00	Landing Pt
11154.57	90.08	269.63	8637.00	-466.37	-2560.80	591376.43	598405.00	2563.76	0.00	0.00 T1 - Drop
11229.40	88.58	269.63	8637.87	-466.85	-2635.62	591375.95	598330.18	2638.58	2.00	Hold
12460.72	88.58	269.63	8668.33	-474.72	-3866.54	591368.08	597099.26	3869.52	0.00	Build
12614.69	91.66	269.63	8668.00	-475.70	-4020.49	591367.10	596945.31	4023.48	2.00	T2
13476.58	91.66	269.63	8643.00	-481.20	-4882.00	591361.60	596083.80	4885.01	0.00	311H PBHL
13526.58	91.66	269.63	8641.55	-481.52	-4931.98	591361.28	596033.82	4934.98	0.00	50' for Orio valve

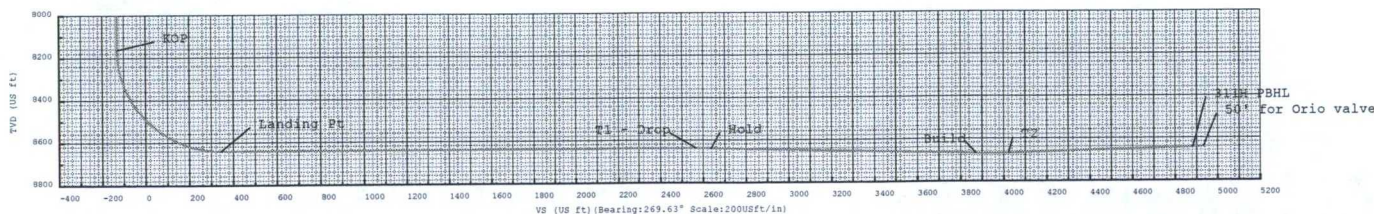
Plan Data for Palmillo 26 State COM 311H

Casing Point Information:
Position offsets from Slot centre

Name	MD	TVD	+N/-S	+E/-W	North	East
(USFt)	(USFt)	(USFt)	(USFt)	(USFt)	(USFt)	(USFt)
13 3/8 in	400.00	400.00	-0.00	-0.00	591842.80	600965.80
9 5/8 in	8025.18	8000.00	-448.81	133.40	591393.99	601099.20



VS (US ft) (Bearing: 269.63° Scale: 500USft/in)



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